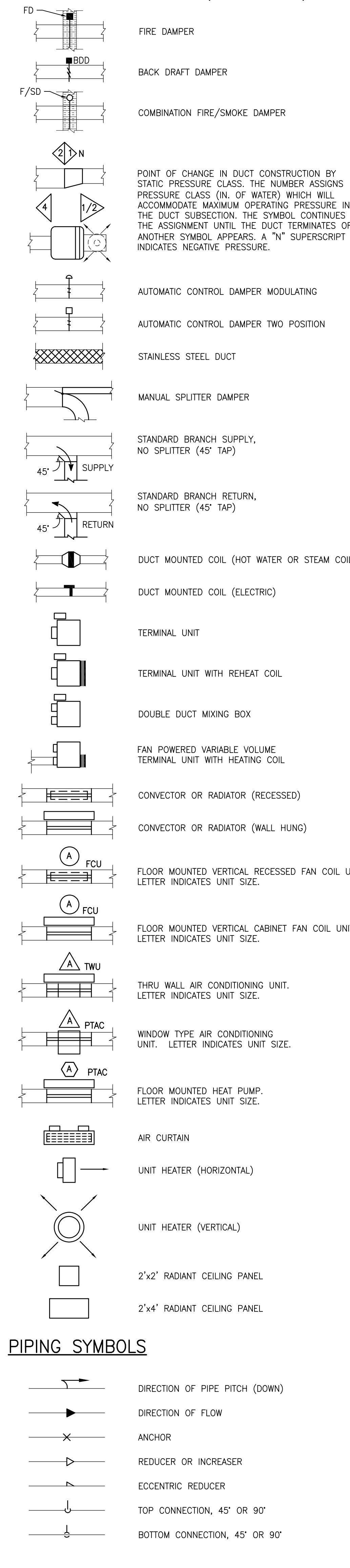


MECHANICAL ABBREVIATIONS

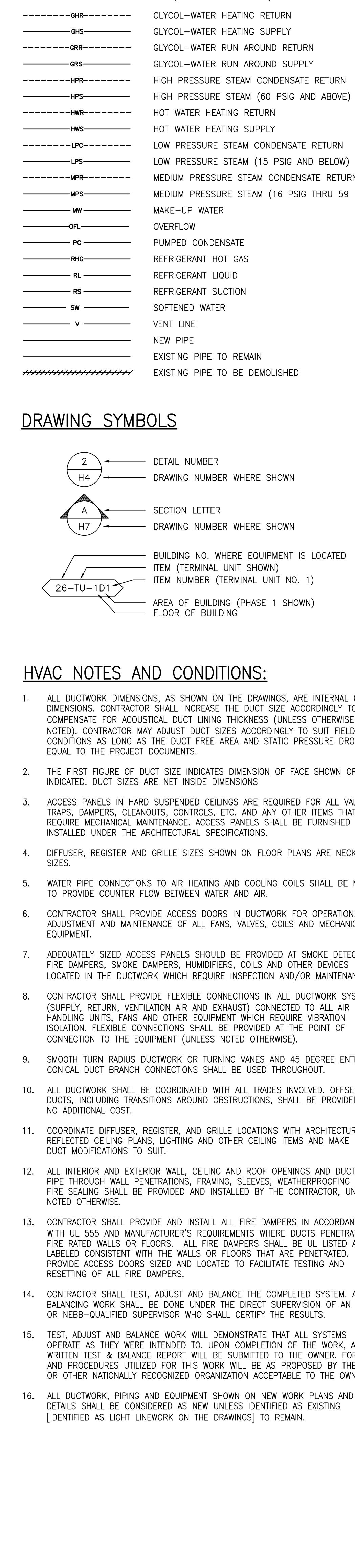
NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THE PROJECT.

Table of mechanical abbreviations with columns for symbol, description, and unit. Includes items like (A) ARCHITECT / ENGINEER, (B) BOILER, (C) CONNECTOR, (D) DEMOLISH, (E) EXHAUST AIR, (F) FAHRENHEIT, (G) FLOOR DRAIN, (H) HUMIDIFIER, (I) INCHES, (J) JOINT, (K) KILOWATT, (L) LEAVING WATER TEMPERATURE, (M) MIXED AIR, (N) NEW, (O) OUTDOOR AIR, (P) PUMP, (Q) QUANTITY, (R) RELOCATE, (S) SOUND ATTENUATING DEVICE, (T) THERMIST, (U) UNDER CUT, (V) VALVE, (W) WASTE ANESTHESIA GAS, (X) EXHAUST, (Y) YIELD, (Z) ZONE.

MECHANICAL SYMBOLS (CONTINUED)



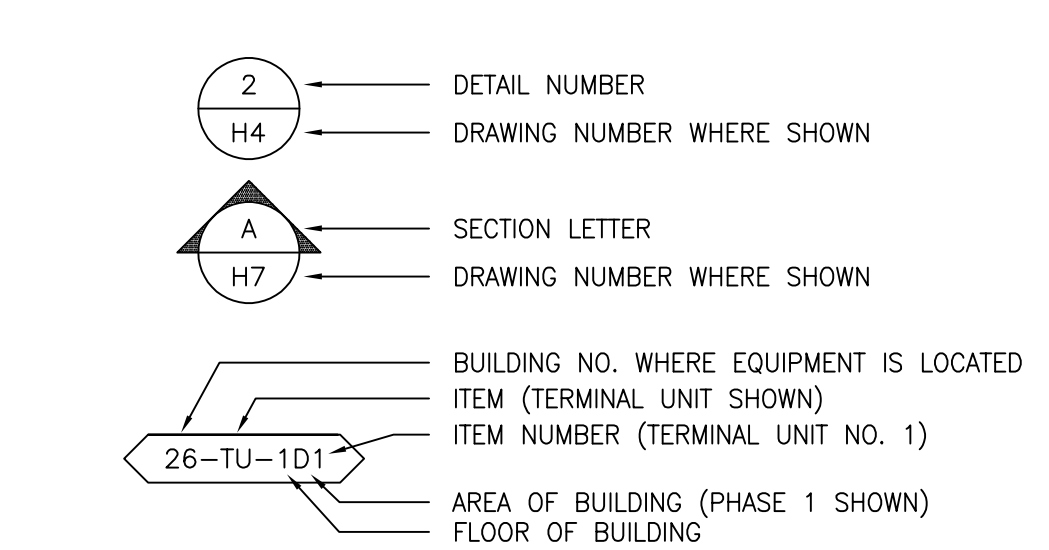
PIPING SYMBOLS (CONTINUED)



GENERAL NOTES AND CONDITIONS

- 1. THESE DRAWINGS WERE PREPARED FROM INFORMATION TAKEN FROM THE AVAILABLE BUILDING DRAWINGS, ARCHITECTURAL, BACKGROUND PROVIDED BY THE OWNER AND FIELD SURVEY INFORMATION COMPILED BY THE ENGINEERING DESIGN TEAM FOR THE PURPOSES OF ENGINEERING THE EXISTING CONDITIONS ARE SHOWN AS ACCURATELY AS POSSIBLE. THERE IS THE POSSIBILITY THAT CONDITIONS SHOWN ARE NOT EXACTLY AS EXISTING. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, LOCATIONS, SIZES AND CONDITIONS AT THE SITE AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO BEGINNING INSTALLATION OR FABRICATION WORK.
2. SHOULD IT APPEAR THAT THE WORK INTENDED TO BE DESCRIBED OR RELATED WORK ARE NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THE DRAWINGS, OR IN THE SPECIFICATIONS, CONSULT THE ENGINEER FOR NECESSARY CLARIFICATIONS, AND CONFORM TO THOSE CLARIFICATIONS INsofar AS THEY ARE CONSISTENT WITH THE ORIGINAL DRAWINGS AND SPECIFICATIONS. IN NO CASE SHALL WORK PROCEED IN UNCERTAINTY.
3. EQUIPMENT ARRANGEMENTS ARE DESIGNED TO SHOW PREFERRED CONFIGURATIONS TO SUIT KNOWN MAINTENANCE ACTUAL INSTALLATION BY CONTRACTOR MAY BE ALTERED AS REQUIRED TO SUIT FIELD CONDITIONS ENCOUNTERED DURING CONSTRUCTION WITHOUT COMPROMISING THE INTENT OF THE ORIGINAL DESIGN. COORDINATE ANY MODIFICATIONS WITH THE ENGINEER AND OWNER PRIOR TO STARTING WORK IN AREAS AFFECTED.
4. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT SITE PRIOR TO STARTING WORK.
5. BIDDERS ARE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES AS THE NATURE AND SCOPE OF THE WORK. THE SUBMISSION OF A BID WILL BE EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND ENSURE THAT ALL APPLICABLE PRICING INFORMATION NOTED WITHIN THE CONSTRUCTION DOCUMENTS HAVE BEEN INCLUDED WITHIN THE ORIGINAL BID SUBMISSION. LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED, OR FOR ANY DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD AN EXAMINATION BEEN MADE, WILL NOT BE ACCEPTED.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING THAT ALL RULES AND REGULATIONS, INCLUDING THOSE WHICH MAY BE ISSUED BY THE OWNER, ARE BEING OBSERVED, PARTICULARLY WORKPLACE SAFETY AND THE CONDUCT OF ALL THOSE EMPLOYED DIRECTLY AND INDIRECTLY ON THE PREMISES, AND THE OWNER'S EMPLOYEES WHO MAY BE IMPACTED OR AFFECTED BY CONSTRUCTION ACTIVITIES. THE CONTRACTOR WILL INSTALL SIGNAGE, BARRIERS, AND OTHER MEANS TO PROVIDE WARNING AND PERSONNEL SAFETY. PLACEMENT OF THESE ITEMS WILL BE COORDINATED WITH THE OWNER AND HIS ONGOING OPERATIONS AND WILL PROMPTLY BE REVERSED WHEN WORK IN A PARTICULAR AREA HAS BEEN COMPLETED.
7. DURING PERFORMANCE OF WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVISION AND MAINTENANCE OF WARNING SIGNALS, LIGHT SIGNAL DEVICES, GUARD LIGHTS, BARRICADES, GUARD RAILS, FENCES AND OTHER DEVICES, APPROPRIATELY LOCATED ON AND AROUND THE JOB SITE WHICH GIVE PROPER AND UNDERSTANDABLE WARNING TO PERSONS WITH REGARD TO HAZARDOUS CONDITIONS, EQUIPMENT AND OPERATIONS BEING PERFORMED IN CONJUNCTION WITH THE WORK.
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH OTHER TRADES FOR ITEMS IN THEIR SCOPE OF WORK WHICH COULD REQUIRE ADDITIONAL MECHANICAL/PLUMBING WORK, AND ITEMS THAT ARE NOT INDICATED ON THE DRAWINGS.
9. THIS INSTALLATION WILL CONFORM TO ALL CODES AND THE REQUIREMENTS OF FEDERAL, STATE, AND LOCAL REGULATORY AGENCIES HAVING JURISDICTION IN PARTICULAR, THESE WORK WILL BE IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 90A, NFPA 96, NFPA 99 AND NFPA 101.
10. ALL WORK WILL BE LAWFULLY EXECUTED IN A NEAT AND WORKMANLIKE MANNER AND WILL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING CODES (ABOVE), INDUSTRY STANDARDS, AND IN CONFORMANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS.
11. WORK UNDER THIS CONTRACT SHALL CONSIST OF THE CONTRACTOR PROVIDING ALL LABOR, MATERIALS, AND SERVICES, INCLUDING WORK NOT SPECIFICALLY SHOWN BUT REASONABLY IMPLIED. THIS SHALL INCLUDE CUTTING, PATCHING AND RESTORATION OF EXISTING SURFACES DAMAGED DURING THE CONSTRUCTION. CONTRACTOR SHALL ALSO PROVIDE ALL EQUIPMENT SHOWN OR SPECIFIED OR AN APPROVED EQUIVALENT. SUBSTITUTED EQUIPMENT OR MATERIALS SHALL NOT BE INSTALLED UNLESS GIVEN WRITTEN APPROVAL BY THE OWNER.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS INCURRED FOR NONCOMPLIANCE WITH THESE CONTRACT DOCUMENTS. CONTRACTOR WILL NOT BE ALLOWED CHANGE ORDERS FOR PROBLEMS ARISING FROM NEGLIGENCE OR PROVISIONS INCLUDED IN THESE CONDITIONS.
13. MAINTAIN ORDERLY HOUSEKEEPING DURING CONSTRUCTION, AND UPON SUBSTANTIAL COMPLETION PERFORM FINAL CLEANUP. REMOVE CONSTRUCTION RUBBISH, SCAFFOLDING, EQUIPMENT, TEMPORARY PROTECTION, TEMPORARY FIELD OFFICES, AND OTHER MATERIALS OR EQUIPMENT THAT WAS REQUIRED IN CONNECTION WITH THE CONSTRUCTION, BUT NOT A PERMANENT PART THEREOF.
14. THOSE PERFORMING WORK AS A CONTRACTOR MUST EXAMINE SUBSTRATES AND CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND NOTIFY THE OWNER IN WRITING OF CONDITIONS DETERMINED TO BE THE PROPER AND TIMELY COMPLETION OF THE WORK. COMMENCEMENT OF WORK BY A TRADE ON A SURFACE OR CONSTRUCTION SHALL IMPLY ACCEPTANCE OF SUCH SURFACE OR CONSTRUCTION. DO NOT PROCEED WITH INSTALLATION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
15. THE CONTRACTOR SHALL SECURE ALL PERMITS AND APPLICATIONS AND PAY ANY AND ALL FEES AS REQUIRED. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND CERTIFICATES OF INSPECTION REQUIRED BY THE AUTHORITIES HAVING JURISDICTION. DELIVER ALL PERMITS, CERTIFICATES AND APPROVALS TO THE OWNER AGED PRIOR TO FINAL ACCEPTANCE OF THE WORK. THE CONTRACTOR MUST FILE NECESSARY DRAWINGS, PREPARE DOCUMENTS AND MAKE APPLICATIONS FOR EACH REQUIRED PERMIT AND INSPECTION, PRIOR TO COMMENCING WORK TO AVOID DELAYS DURING CONSTRUCTION.
16. AS DIRECTED BY THE OWNER, ALL EXISTING EQUIPMENT AND MATERIAL IN USABLE CONDITION THAT IS REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER, OR HANDLED AS INSTRUCTED BY THE OWNER, BE DISPOSED OF BY THE CONTRACTOR. ALL MATERIALS DEEMED FOR REMOVAL SHALL BE RECYCLED WHENEVER POSSIBLE, IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH WITHIN DIVISION 1 OF THE SPECIFICATIONS.
17. CONTRACTOR IS TO PROVIDE ALL REQUIRED SCAFFOLDING, LADDERS, RIGGING, HOISTING AND ALL OTHER EQUIPMENT REQUIRED FOR THE INSTALLATION OF THEIR WORK.
18. ESTABLISH PASSAGE CLEARANCES REQUIRED TO DELIVER, INSTALL AND ERECT ALL REQUIRED EQUIPMENT. IF STRUCTURES, EQUIPMENT AND SYSTEMS MUST BE ALTERED TO PROVIDE SPACE OF EQUIPMENT, THE CONTRACTOR SHALL RESTORE STRUCTURES, EQUIPMENT AND SYSTEMS TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE, INCLUDING REMOVING AND REPLACEMENT OF ALL CEILING AS REQUIRED TO COMPLETE THE WORK.
19. EXCAVATION FOR UNDER SLAB OR UNDERGROUND INSTALLATION OF CONDUIITS SHALL BE APPROACHED WITH EXTREME CAUTION SO AS NOT TO DAMAGE EXISTING UNDERGROUND PIPING, WIRING AND CONDUIITS.
20. CONTRACTOR TO INSTALL HIGH POINT VENTS AT ALL SYSTEM HIGH POINTS AND LOW POINT DRAINS AT SYSTEM LOW POINTS. VENTS AND DRAINS ARE REQUIRED TO FACILITATE SYSTEM DRAINING AND VENTING DURING TESTING AND START-UP.
21. UNIONS SHALL BE INSTALLED AT ALL EQUIPMENT. THE USE OF DIELECTRIC UNIONS MUST BE INSTALLED IN AREAS WHERE JOINING OF DISSIMILAR METALS (IE CARBON STEEL TO COPPER OR BRASS, ETC.). THIS IS TO FACILITATE PIPING REMOVAL AND REASSEMBLY FOR FUTURE MAINTENANCE WORK AND/OR PREVENT GALVANIC CORROSION.
22. CONTRACTOR SHALL PROPERLY BRACE, ANCHOR, AND SUPPORT ALL PIPING, VALVES ETC. UNLESS SHOWN OTHERWISE, ALL PIPE HANGERS AND SUPPORTS SHALL BE DESIGNED, MANUFACTURED AND INSTALLED PER MSS SP-58, MSS SP-69 AND MSS SP-89.
23. ALL PIPES THAT PASS THROUGH EXTERIOR WALLS SHALL BE SLEEVED AND MADE WEATHER TIGHT.
24. ALL PIPING AND VALVES MUST BE PROPERLY IDENTIFIED AND LABELED PER ANSI 13.1, ENTITLED "SCHEME FOR THE IDENTIFICATION OF PIPING SYSTEMS". ALL VALVES MUST BE IDENTIFIED AND TAGGED WITH WEATHERPROOF TAGS.
25. ALL PIPES OR TUBING WHICH PASS THROUGH RATED AND NON-RATED WALLS, FLOORS AND FOUNDATION WALLS, SHALL PASS THROUGH A SCHEDULE 40 CARBON STEEL PIPE SLEEVE. SLEEVES WHICH PASS THROUGH MASONRY SHALL BE GALVANIZED COATED. ALL SLEEVES SHALL BE INSTALLED FLUSH ON BOTH SIDES OF WALL PENETRATION.
26. NON-RATED WALL: THE SLEEVE SHALL BE SIZED TO ALLOW FREE PASSAGE OF INSULATED AND NON-INSULATED PIPES AND TUBING.
27. RATED WALL: PIPES WHICH PASS THROUGH FIRE-RATED WALLS & FLOOR SHALL USE THE APPROPRIATE CODE APPROVED, TESTED AND INSTALLATION METHOD OF SEALING WHILE MAINTAINING THE INTEGRITY OF THE WALL'S FIRE RATING(S).
28. EXTENSION WALLS & FOUNDATION WALLS: PIPES WHICH PASS THROUGH EXTENSION WALLS OR FOUNDATION WALLS SHALL BE SEALED AND MADE WATER TIGHT.
29. ALL VALVES SHALL BE ACCESSIBLE IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE ACCESS DOORS AND COORDINATE THE GENERAL CONTRACTOR.

DRAWING SYMBOLS



HVAC NOTES AND CONDITIONS:

- 1. ALL DUCTWORK DIMENSIONS, AS SHOWN ON THE DRAWINGS, ARE INTERNAL CLEAR DIMENSIONS. CONTRACTOR SHALL INCREASE THE DUCT SIZE ACCORDINGLY TO COMPENSATE FOR ACoustICAL DUCT LINING THICKNESS (UNLESS OTHERWISE NOTED). CONTRACTOR MAY ADJUST DUCT SIZES ACCORDING TO SUIT FIELD CONDITIONS AS LONG AS THE DUCT FREE AREA AND STATIC PRESSURE DROP ARE EQUAL TO THE PROJECT DOCUMENTS.
2. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. DUCT SIZES ARE NET INSIDE DIMENSIONS.
3. ACCESS PANELS IN HARD SUSPENDED CEILING ARE REQUIRED FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. AND ANY OTHER ITEMS THAT REQUIRE MECHANICAL MAINTENANCE. ACCESS PANELS SHALL BE FURNISHED AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATIONS.
4. DIFFUSER, REGISTER AND GRILLE SIZES SHOWN ON FLOOR PLANS ARE NECK SIZES.
5. WATER PIPE CONNECTIONS TO AIR HEATING AND COOLING COILS SHALL BE MADE TO PROVIDE COUNTER FLOW BETWEEN WATER AND AIR.
6. CONTRACTOR SHALL PROVIDE ACCESS DOORS IN DUCTWORK FOR OPERATION, ADJUSTMENT AND MAINTENANCE OF ALL FANS, VALVES, COILS AND MECHANICAL EQUIPMENT.
7. ADEQUATELY SIZED ACCESS PANELS SHOULD BE PROVIDED AT SMOKE DETECTORS, FIRE DAMPERS, SMOKE DAMPERS, HUMIDIFIERS, COILS AND OTHER DEVICES LOCATED IN THE DUCTWORK WHICH REQUIRE INSPECTION AND/OR MAINTENANCE.
8. CONTRACTOR SHALL PROVIDE FLEXIBLE CONNECTIONS IN ALL DUCTWORK SYSTEMS (SUPPLY, RETURN, VENTILATION AIR AND EXHAUST) CONNECTED TO ALL AIR HANDLING UNITS, FANS AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AT THE POINT OF CONNECTION TO THE EQUIPMENT (UNLESS NOTED OTHERWISE).
9. SMOOTH TURN RADIUS DUCTWORK OR TURNING VANES AND 45 DEGREE ENTRY OR CONICAL DUCT BRANCH CONNECTIONS SHALL BE USED THROUGHOUT.
10. ALL DUCTWORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN DUCTS, INCLUDING TRANSITIONS AROUND OBSTRUCTIONS, SHALL BE PROVIDED AT NO ADDITIONAL COST.
11. COORDINATE DIFFUSER, REGISTER, AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS, LIGHTING AND OTHER CEILING ITEMS AND MAKE MINOR DUCT MODIFICATIONS TO SUIT.
12. ALL INTERIOR AND EXTERIOR WALL, CEILING AND ROOF OPENINGS AND DUCT AND PIPES THROUGH WALL PENETRATIONS, FRAMING, SLEEVES, WEATHERPROOFING AND FIRE SEALING SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR, UNLESS NOTED OTHERWISE.
13. CONTRACTOR SHALL PROVIDE AND INSTALL ALL FIRE DAMPERS IN ACCORDANCE WITH UL 555 AND MANUFACTURER'S REQUIREMENTS WHERE DUCTS PENETRATE RATED WALLS OR FLOORS. ALL FIRE DAMPERS SHALL BE UL LISTED AND LABELED CONSISTENT WITH THE WALLS OR FLOORS THAT ARE PENETRATED. PROVIDE ACCESS DOORS SIZED AND LOCATED TO FACILITATE TESTING AND RESETTING OF ALL FIRE DAMPERS.
14. CONTRACTOR SHALL TEST, ADJUST AND BALANCE THE COMPLETED SYSTEM. ALL BALANCING WORK SHALL BE DONE UNDER THE DIRECT SUPERVISION OF AN AABC OR NEBB-QUALIFIED SUPERVISOR WHO SHALL CERTIFY THE RESULTS.
15. TEST, ADJUST AND BALANCE WORK WILL DEMONSTRATE THAT ALL SYSTEMS OPERATE AS THEY WERE INTENDED TO. UPON COMPLETION OF THE WORK, A WRITTEN TEST & BALANCE REPORT WILL BE SUBMITTED TO THE OWNER. FORMS AND PROCEDURES UTILIZED FOR THIS WORK WILL BE AS PROPOSED BY THE AABC OR OTHER NATIONALLY RECOGNIZED ORGANIZATION ACCEPTABLE TO THE OWNER.
16. ALL DUCTWORK, PIPING AND EQUIPMENT SHOWN ON NEW WORK PLANS AND DETAILS SHALL BE CONSIDERED AS NEW UNLESS IDENTIFIED AS EXISTING (IDENTIFIED AS LIGHT LINERWORK ON THE DRAWINGS) TO REMAIN.

PIPING NOTES:

- 1. CONTRACTOR TO INSTALL HIGH POINT VENTS AT ALL SYSTEM HIGH POINTS AND LOW POINT DRAINS AT SYSTEM LOW POINTS. VENTS AND DRAINS ARE REQUIRED TO FACILITATE SYSTEM DRAINING AND VENTING DURING TESTING AND START-UP.
2. UNIONS SHALL BE INSTALLED AT ALL EQUIPMENT. THE USE OF DIELECTRIC UNIONS MUST BE INSTALLED IN AREAS WHERE JOINING OF DISSIMILAR METALS (IE CARBON STEEL TO COPPER OR BRASS, ETC.). THIS IS TO FACILITATE PIPING REMOVAL AND REASSEMBLY FOR FUTURE MAINTENANCE WORK AND/OR PREVENT GALVANIC CORROSION.
3. CONTRACTOR SHALL PROPERLY BRACE, ANCHOR, AND SUPPORT ALL PIPING, VALVES ETC. UNLESS SHOWN OTHERWISE, ALL PIPE HANGERS AND SUPPORTS SHALL BE DESIGNED, MANUFACTURED AND INSTALLED PER MSS SP-58, MSS SP-69 AND MSS SP-89.
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9. EXTENSION WALLS & FOUNDATION WALLS: PIPES WHICH PASS THROUGH EXTENSION WALLS OR FOUNDATION WALLS SHALL BE SEALED AND MADE WATER TIGHT.
10. ALL VALVES SHALL BE ACCESSIBLE IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE ACCESS DOORS AND COORDINATE THE GENERAL CONTRACTOR.

Table with columns for NO., DESCRIPTION, and DATE. Contains information about the printing of the drawing.

Table with columns for CONSULTANTS, Architecture: PF&A DESIGN, P.C., Civil Engineering: LABELLA ASSOCIATES, Fire & Life Safety: STANTON ENGINEERING SERVICES, LLC.

ENGINEER OF RECORD logo for MILLER-REMICK, including contact information and a professional engineer seal.

Office of Construction and Facilities Management logo, U.S. Department of Veterans Affairs.

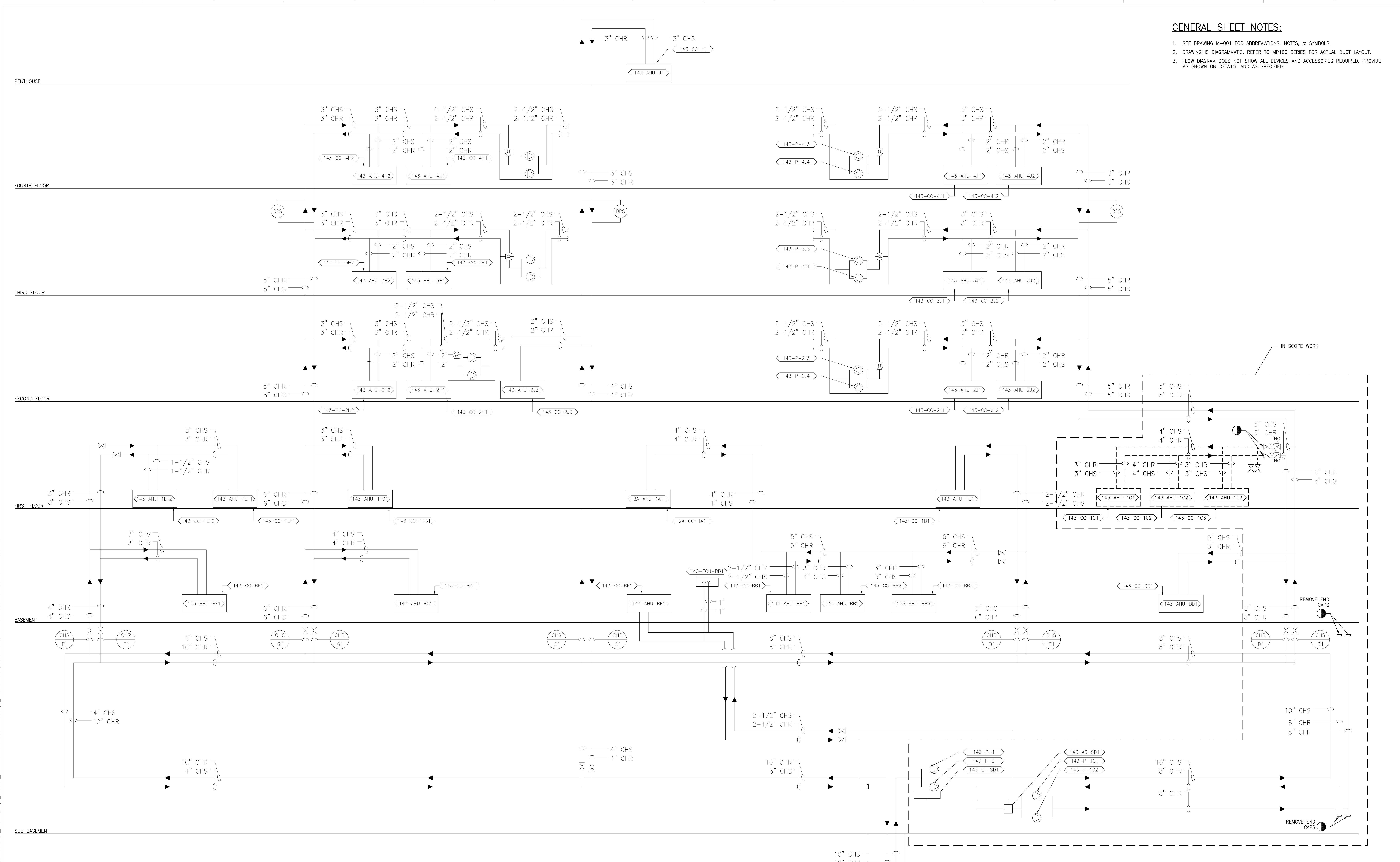
Drawing Title: MECHANICAL ABBREVIATIONS, NOTES, & SYMBOLS. Approved by: Jon Manninen, COR.

Phase: BID DOCUMENTS. Fully Sprinklered.

Table with columns for Project Title: RENOVATE SURGICAL SUITE PHASE II, Project Number: 658-19-103, Location: SALEM VA MEDICAL CENTER, Issue Date: 2025-12-30, Checked: DJ, Drawn: JAK, Drawing Number: M-001.

GENERAL SHEET NOTES:

- SEE DRAWING M-001 FOR ABBREVIATIONS, NOTES, & SYMBOLS.
- DRAWING IS DIAGRAMMATIC. REFER TO MP100 SERIES FOR ACTUAL DUCT LAYOUT.
- FLOW DIAGRAM DOES NOT SHOW ALL DEVICES AND ACCESSORIES REQUIRED. PROVIDE AS SHOWN ON DETAILS, AND AS SPECIFIED.



1 CHILLED WATER DEMOLITION FLOW DIAGRAM
SCALE: N.T.S.

PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

CONSULTANTS		
Architecture: PF&A DESIGN, P.C.	Civil Engineering: LABELLA ASSOCIATES	Fire & Life Safety: STANTON ENGINEERING SERVICES, LLC

ENGINEER OF RECORD

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PROFESSIONAL ENGINEER

COMMONWEALTH OF VIRGINIA

ANTHONY J. MILLER PACARD JR.
Lic. No. 402055078

12-30-2025

Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title
**MECHANICAL
DEMOLITION CHILLED WATER
FLOW DIAGRAM**

Approved by:
Jon Manninen, COR

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
**RENOVATE SURGICAL SUITE
PHASE II**

Project Number **658-19-103**

Location
SALEM VA MEDICAL CENTER

Issue Date **2025-12-30**

Checked BH	Drawn CS
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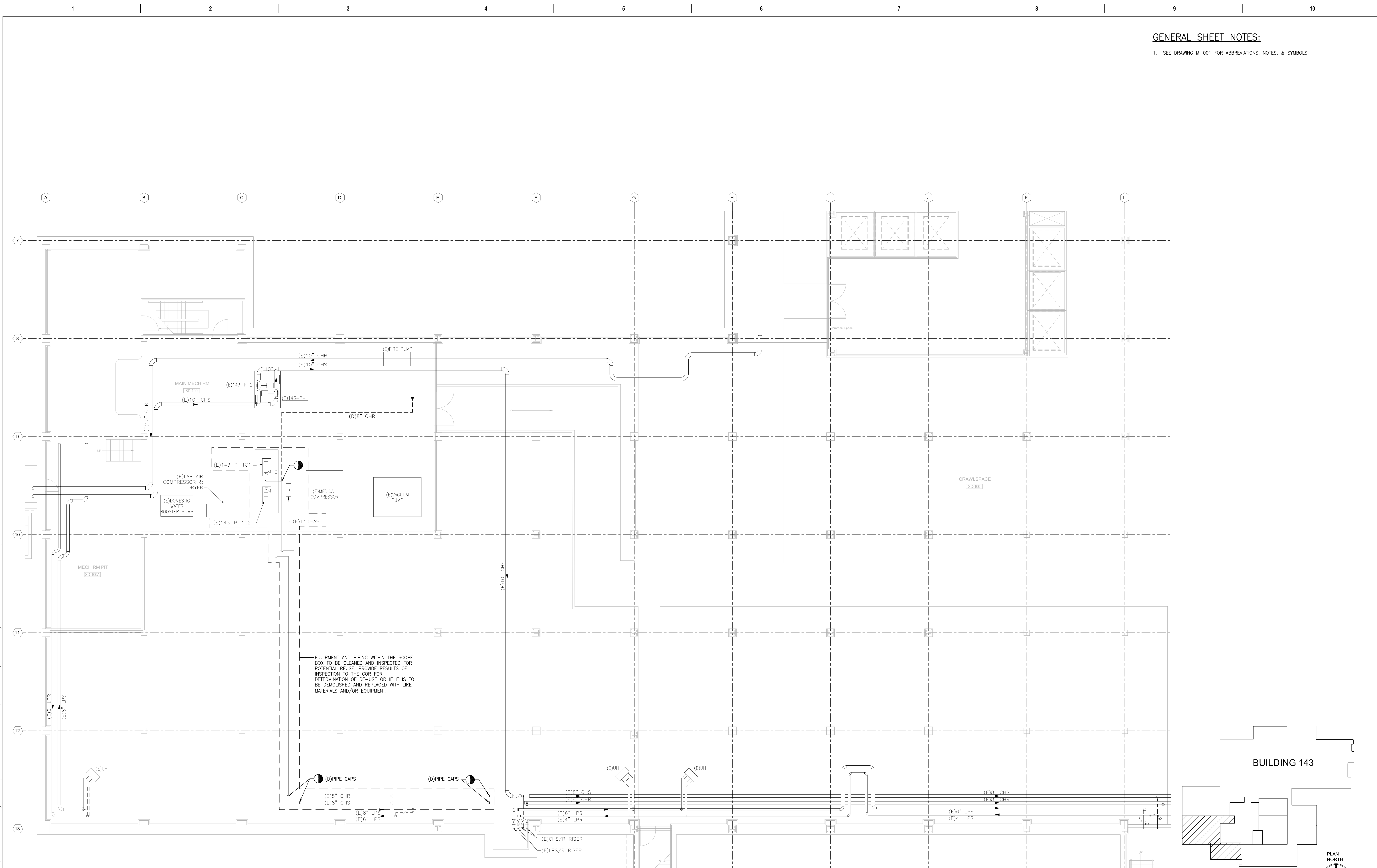
VA Drawing Number
2617

Building Number
143

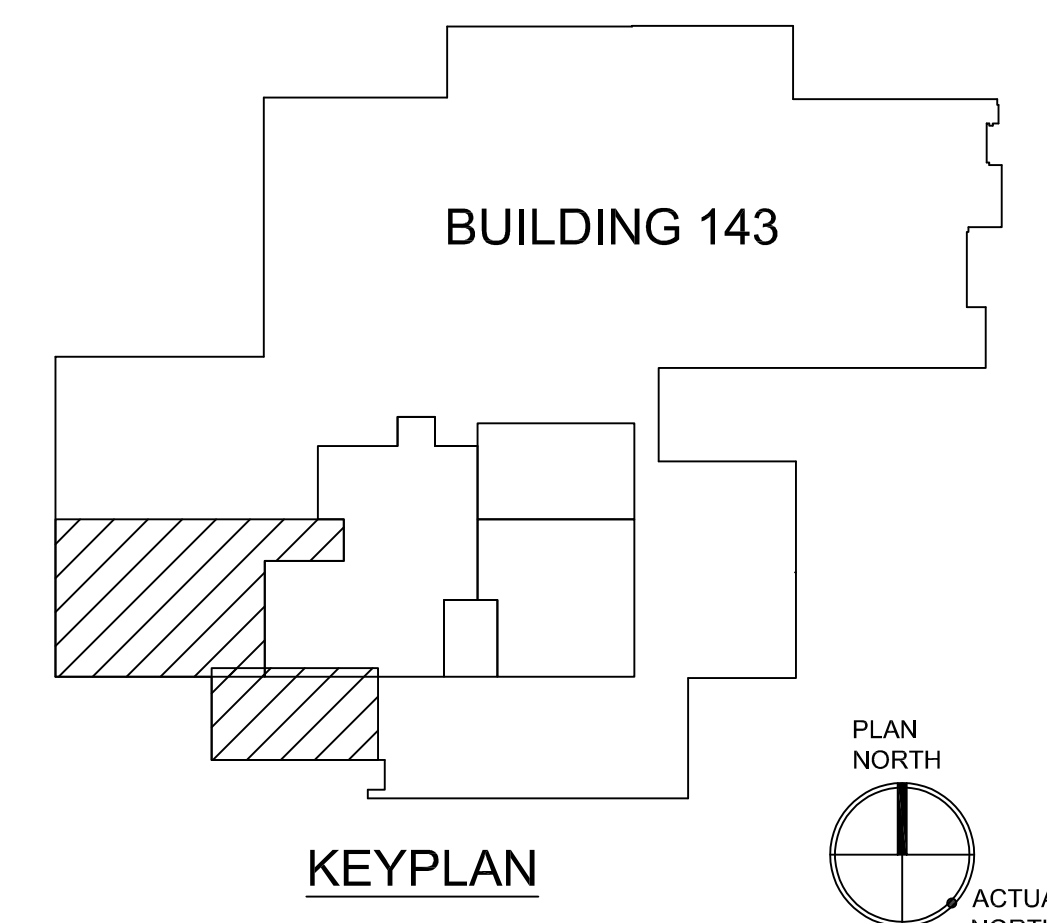
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MD601

GENERAL SHEET NOTES:

1. SEE DRAWING M-001 FOR ABBREVIATIONS, NOTES, & SYMBOLS.



EQUIPMENT AND PIPING WITHIN THE SCOPE BOX TO BE CLEANED AND INSPECTED FOR POTENTIAL REUSE. PROVIDE RESULTS OF INSPECTION TO THE COR FOR DETERMINATION OF RE-USE OR IF IT IS TO BE DEMOLISHED AND REPLACED WITH LIKE MATERIALS AND/OR EQUIPMENT.



1 SUB-BASEMENT DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

CONSULTANTS		
Architecture: PF&A DESIGN, P.C.	Civil Engineering: LABELLA ASSOCIATES	Fire & Life Safety: STANTON ENGINEERING SERVICES, LLC

ENGINEER OF RECORD

MILLER-REMICK LLC
PROFESSIONAL ENGINEER

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
MECHANICAL PIPING DEMOLITION PLAN SUB-BASEMENT, PHASE 1

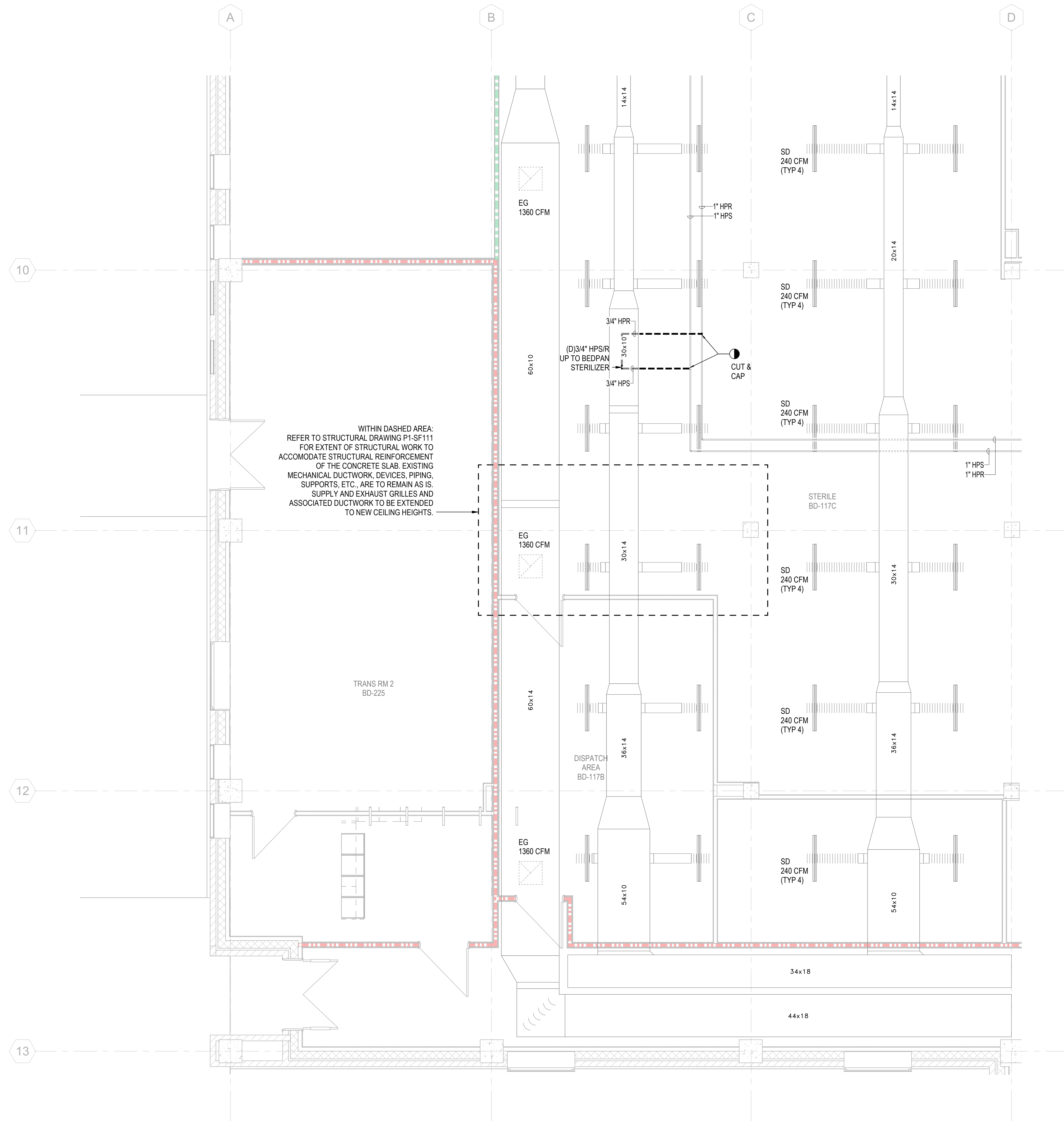
Approved by:
Jon Manninen, COR

Phase	BID DOCUMENTS
	FULLY SPRINKLERED

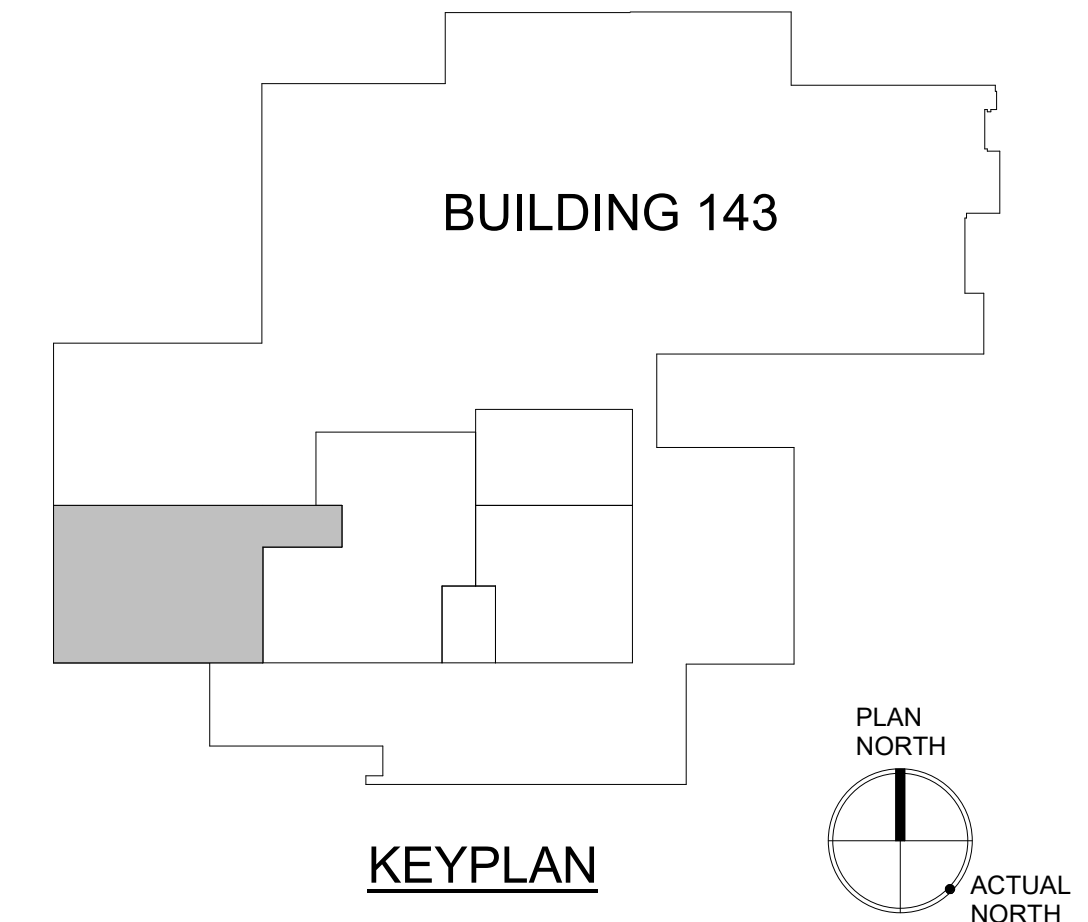
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Project Number	658-19-103	Building Number	143
Location	SALEM VA MEDICAL CENTER	Drawing Number	P1-MD100
Issue Date	2025-12-30	Checked	BH
		Drawn	PNL

GENERAL SHEET NOTES:

1. REFER TO DRAWING M-001 FOR MECHANICAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS.



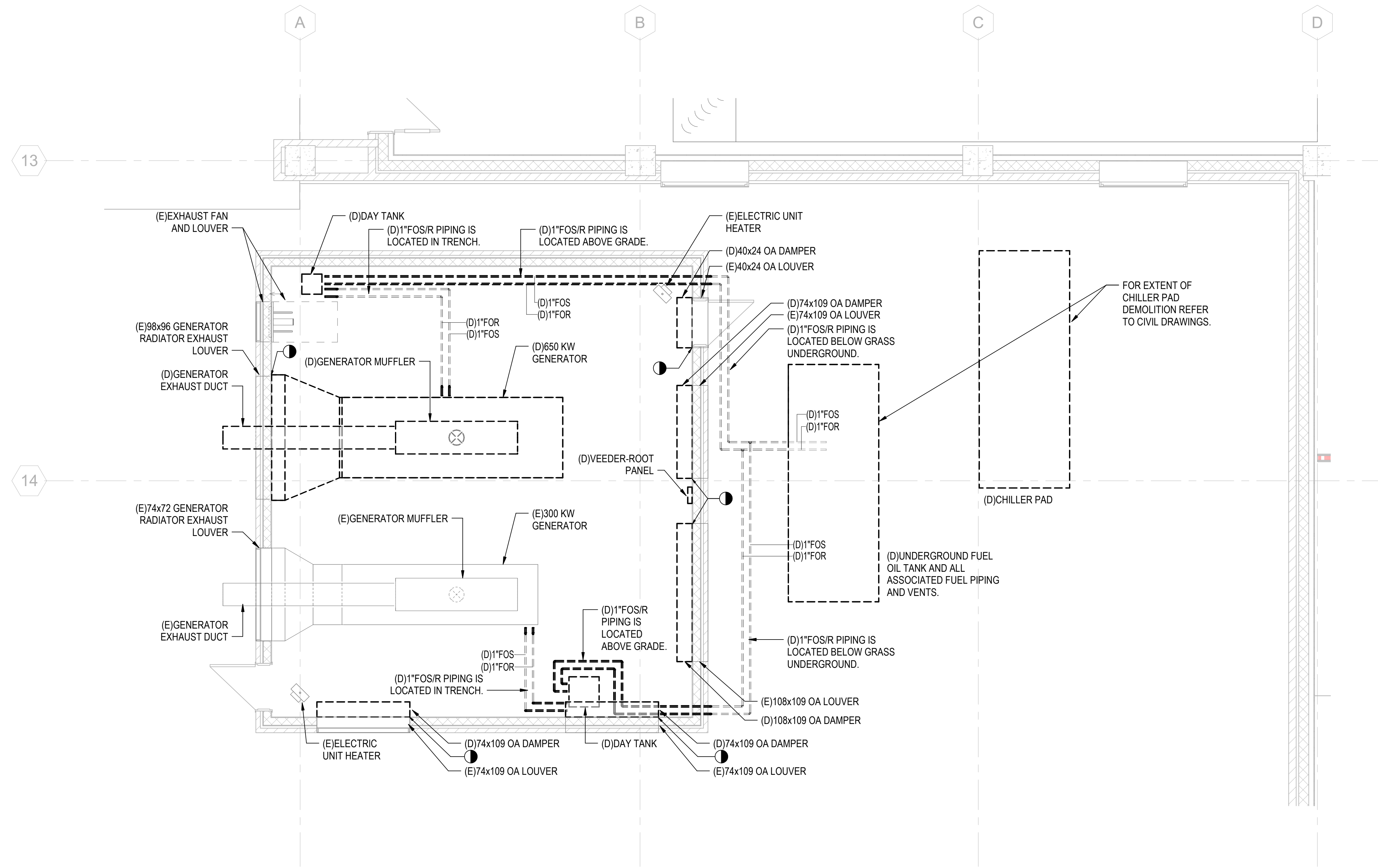
1 DEMOLITION PLAN - BASEMENT, PHASE 1
SCALE: 1/4" = 1'-0"



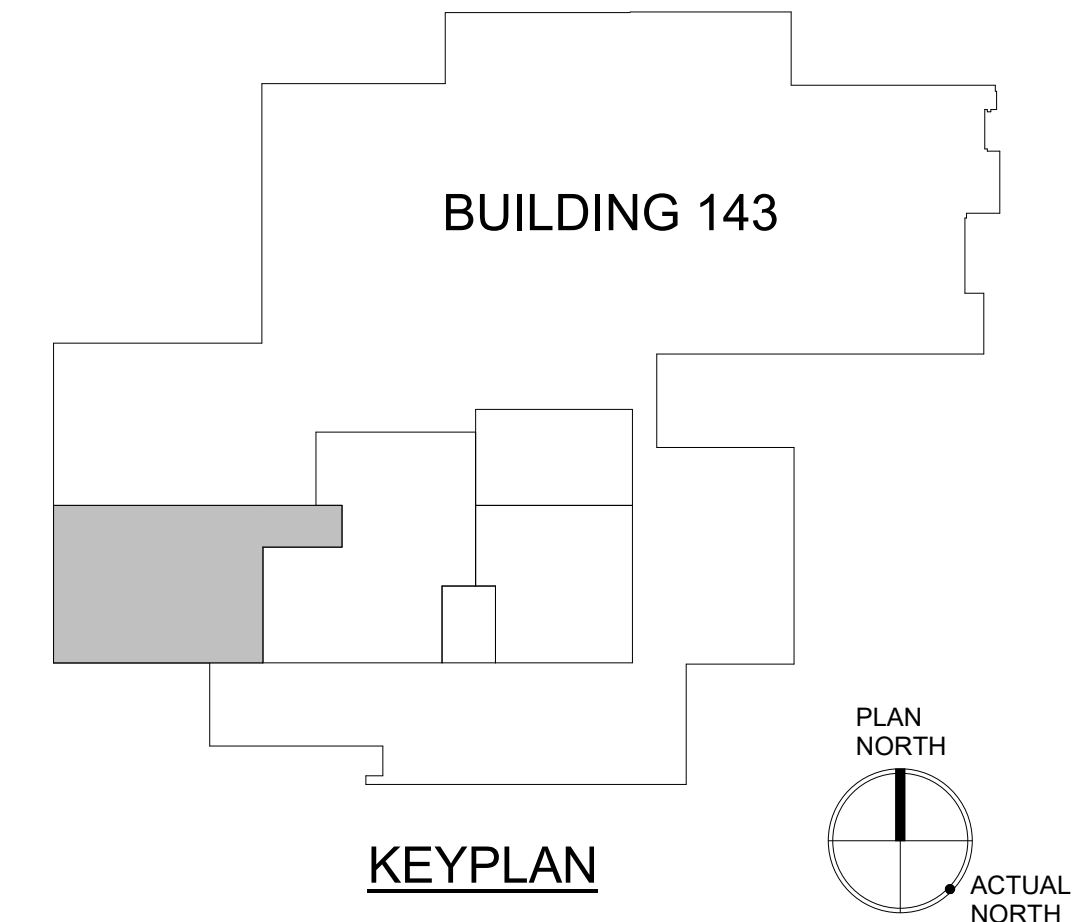
<p>PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER</p>		<p>CONSULTANT</p> <p>Architecture: PF&A DESIGN, P.C. Civil Engineering: LABELLA ASSOCIATES Fire Protection: STANTON ENGINEERING SERVICES, LLC</p>		<p>ENGINEER OF RECORD</p> <p>MILLER-REMICK LLC PROFESSIONAL ENGINEER</p> <p>A Service-Disabled Veteran-Owned Small Business (856) 429-4000 • Miller-Remick.com</p>		<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>		<p>Drawing Title: MECHANICAL DEMOLITION PLAN BASEMENT PHASE 1</p> <p>Approved by: Jon Manninen, COR</p>		<p>Phase: BID DOCUMENTS</p> <p>FULLY SPRINKLERED</p>		<p>Project Title: RENOVATE SURGICAL SUITE PHASE II</p> <p>Project Number: 658-19-103</p> <p>Location: SALEM VA MEDICAL CENTER</p> <p>Issue Date: 2025-12-30 Checked: DJ Drawn: JAK</p>		<p>VA Drawing Number: 2617</p> <p>Building Number: 143</p> <p>Drawing Number: P1-MD101</p>	
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GENERAL SHEET NOTES:

1. REFER TO DRAWING M-001 FOR MECHANICAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
2. COORDINATE ALL UNDERGROUND UTILITY DEMOLITION WITH CIVIL DRAWINGS.
3. COORDINATE ALL DEMOLITION WORK IN GENERATOR ROOM WITH STRUCTURAL DRAWINGS.



1 DEMOLITION PLAN - BASEMENT GENERATOR, PHASE 1
SCALE: 1/4" = 1'-0"



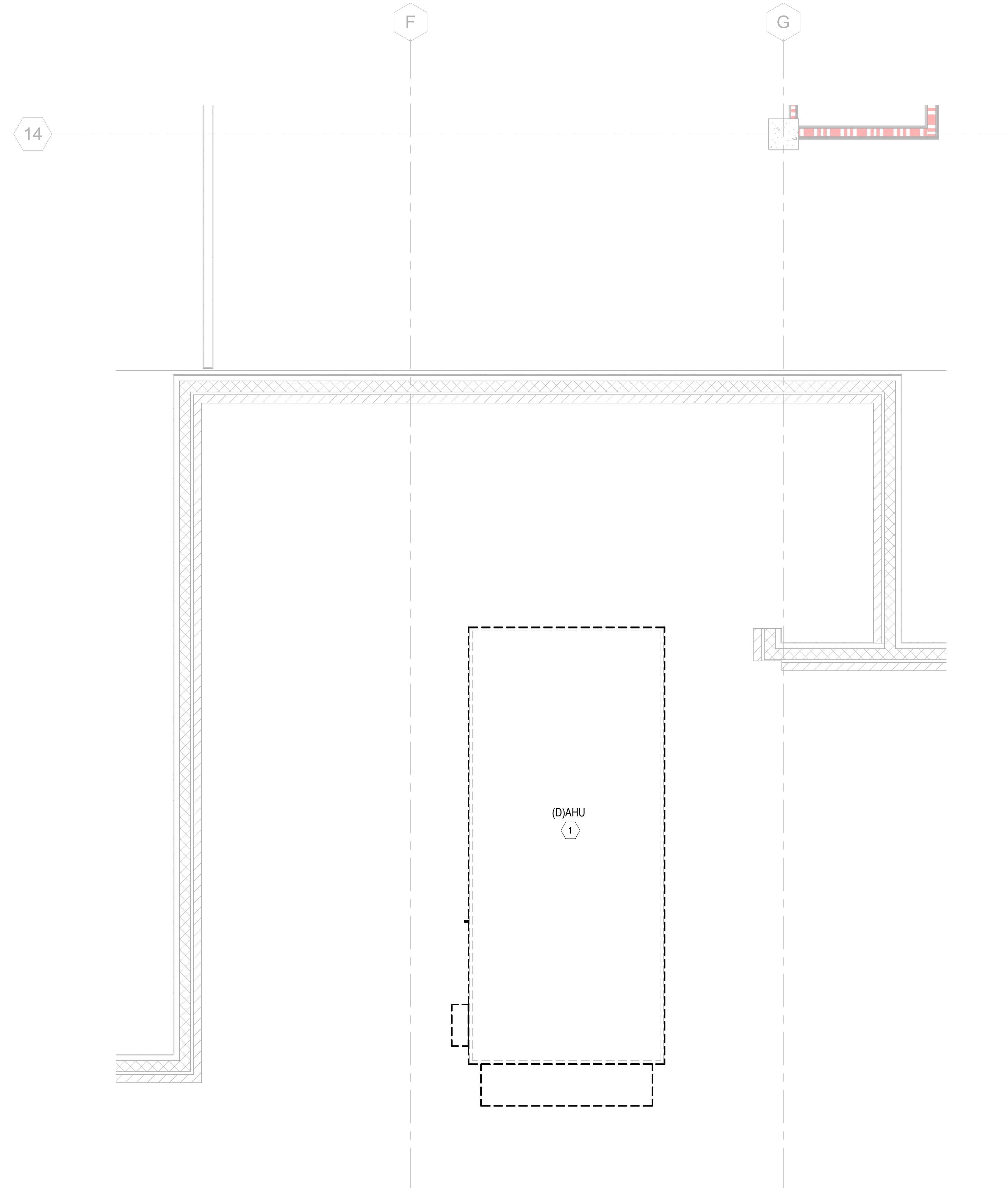
PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER. Revisions: _____ Date: _____ 2/28/2025 14:22 PM	CONSULTANT Architecture: PF&A DESIGN, P.C. Civil Engineering: LABELLA ASSOCIATES Fire Protection: STANTON ENGINEERING SERVICES, LLC			ENGINEER OF RECORD MILLER-REMICK LLC PROFESSIONAL ENGINEER COMMONWEALTH OF VIRGINIA ANTHONY DANIEL PACARD JR. Lic. No. 402055079 PROFESSIONAL ENGINEER 12.30.2025		Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title: MECHANICAL DEMOLITION PLAN BASEMENT GENERATOR, PHASE 1 Approved by: Jon Manninen, COR		Phase: BID DOCUMENTS FULLY SPRINKLERED		Project Title: RENOVATE SURGICAL SUITE PHASE II Project Number: 658-19-103 Location: SALEM VA MEDICAL CENTER Issue Date: 2025-12-30 Checked: DJ Drawn: JAK		VA Drawing Number: 2617 Building Number: 143 Drawing Number: P1-MD102	
	VA FORM 08 - 6231														

GENERAL SHEET NOTES:

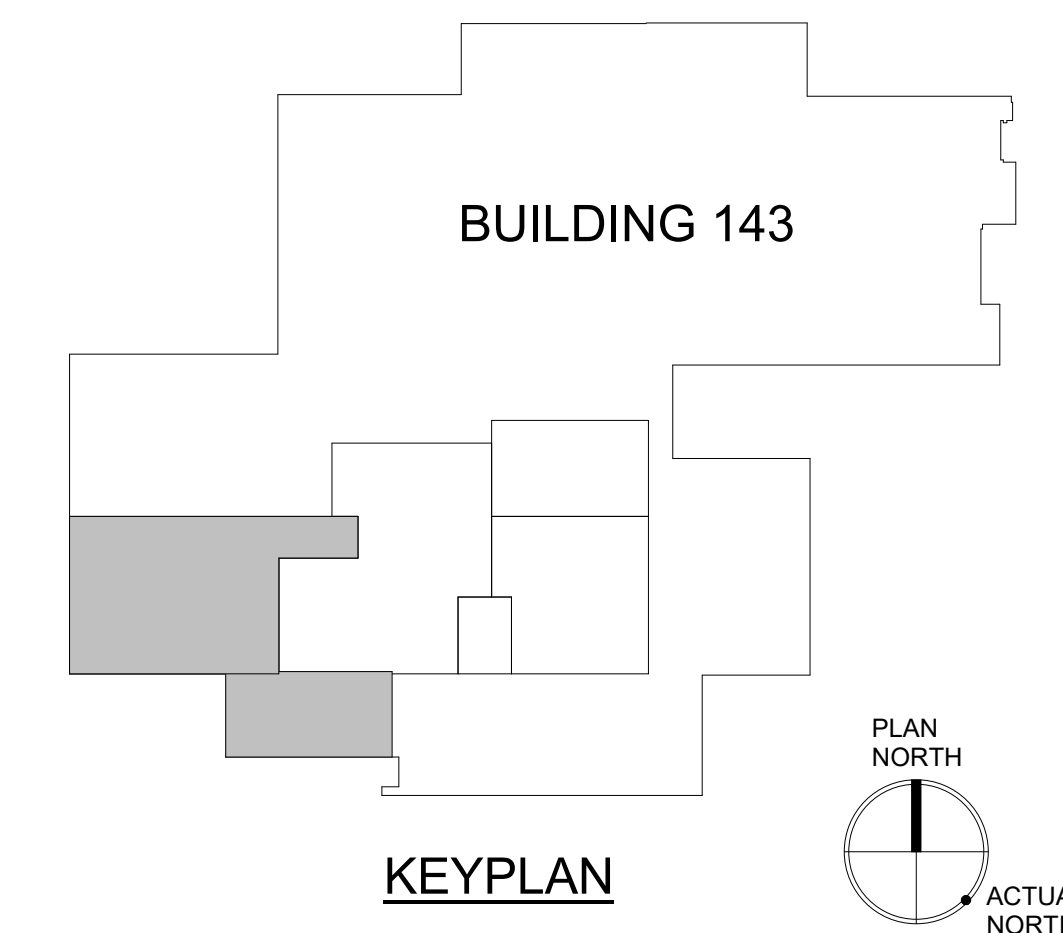
- REFER TO DRAWING M-001 FOR MECHANICAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS.

SHEET KEYNOTES:

- EXISTING AHU IS ABANDONED. CONTRACTOR TO DISCONNECT FROM ANY UTILITIES, DRAIN THE UNIT OF ANY FLUIDS AND DISPOSE OF THEM IN A LEGAL MANNER. MOVE THE EQUIPMENT TO A LOCATION ON THE SALEM VAMC CAMPUS AS DIRECTED BY THE COR. EC TO REMOVAL ELECTRICAL CONNECTIONS BACK TO SOURCE.



1 DEMOLITION PLAN - BASEMENT, PHASE 1
SCALE: 1/4" = 1'-0"



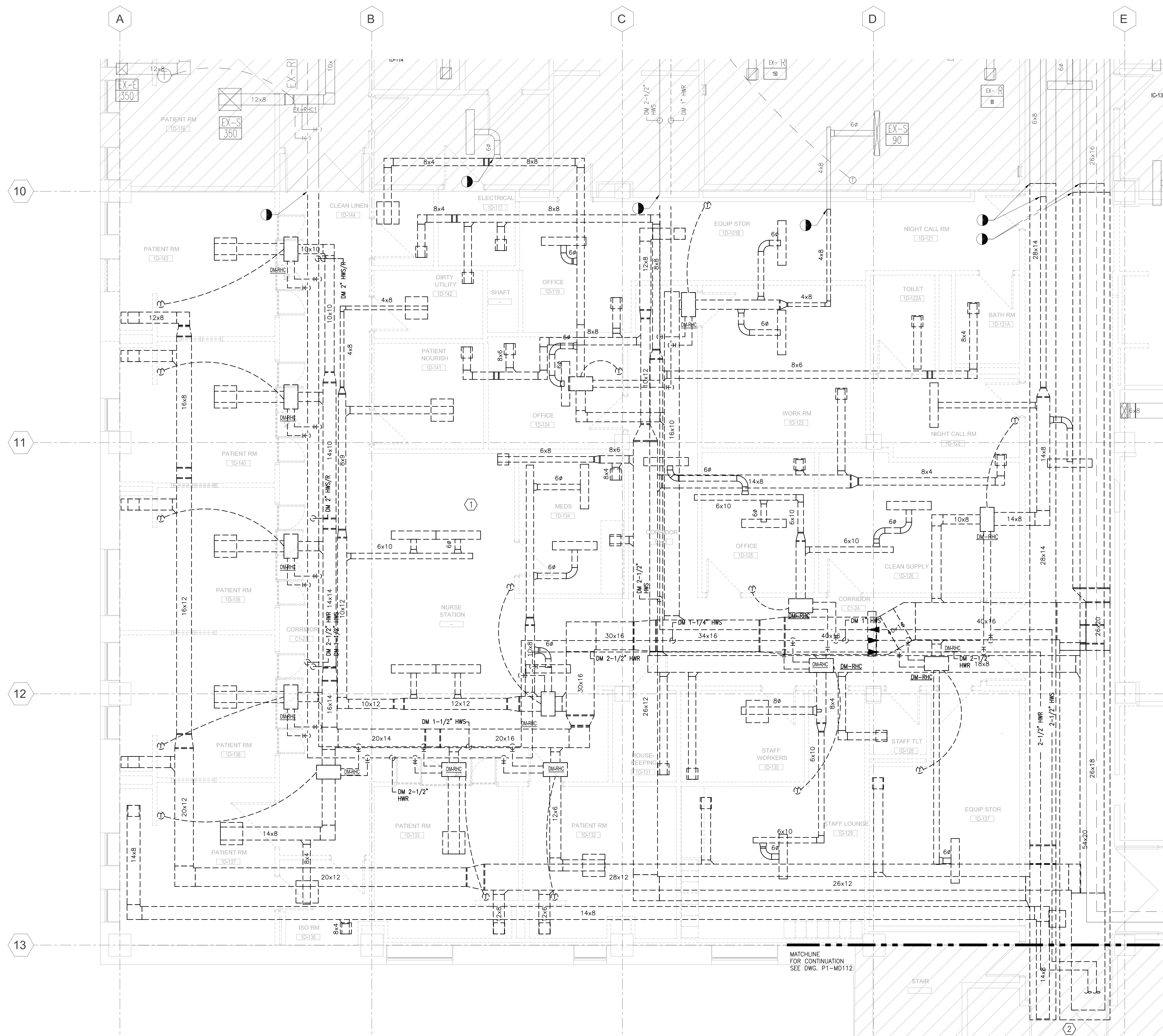
PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER 2/29/2025 1:42:22 PM		CONSULTANT Architecture: PF&A DESIGN, P.C. Civil Engineering: LABELLA ASSOCIATES Fire Protection: STANTON ENGINEERING SERVICES, LLC		ENGINEER OF RECORD MILLER-REMICK LLC PROFESSIONAL ENGINEER ANTHONY J. PACARD, P.E. Lic. No. 402055079 12-30-2025		Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title: MECHANICAL DEMOLITION PLAN BASEMENT, PHASE 1 Approved by: Jon Manninen, COR		Phase: BID DOCUMENTS FULLY SPRINKLERED		Project Title: RENOVATE SURGICAL SUITE PHASE II Project Number: 658-19-103 Location: SALEM VA MEDICAL CENTER Issue Date: 2025-12-30 Checked: DJ Drawn: JAK		VA Drawing Number: 2617 Building Number: 143 Drawing Number: P1-MD103	
Revisions:		Date:													

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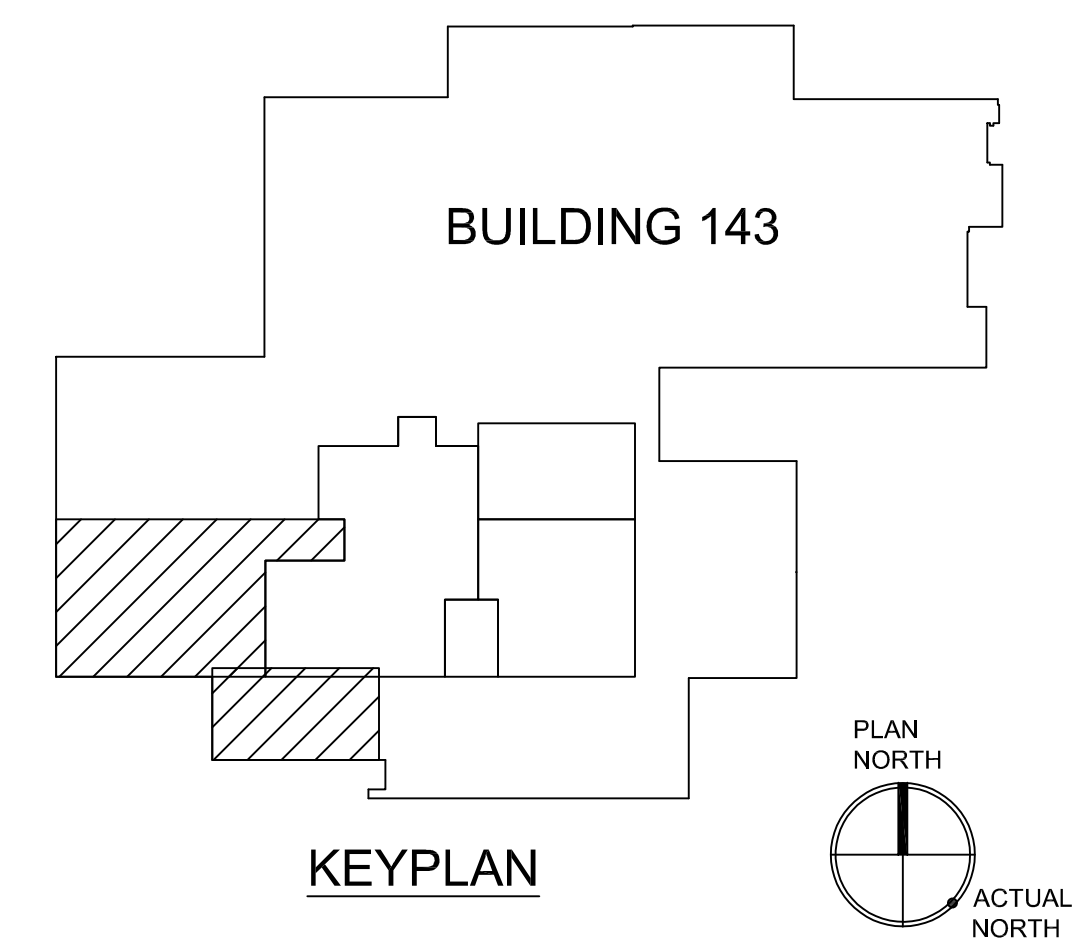
- SEE DRAWING M-001 FOR ABBREVIATIONS, NOTES, & SYMBOLS.
- THE CONTRACTOR MAY BE REQUIRED TO WORK ACROSS THE CONSTRUCTION BOUNDARY LINE TO COMPLETE NEW WORK OR TERMINATE EXISTING. THE CONTRACTOR IS REQUIRED TO ADHERE TO ALL ICRA REQUIREMENTS.

SHEET KEYNOTES:

- DEMOLISH EXISTING DUCT WORK, TERMINAL UNITS, CONTROLS, CONTROL WIRING, HANGERS, REGISTERS, GRILLES AND ALL APPURTENANCES.
- DEMOLISHED DUCTWORK AND PIPING CONTINUES INTO MECHANICAL ROOM. REFER TO DRAWING P1-MD112.



1 MECHANICAL DEMOLITION DUCTWORK PLAN – 1ST FLOOR, PHASE 1
SCALE: 1/4" = 1'-0"



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

CONSULTANTS		
Architecture: PF&A DESIGN, P.C.	Civil Engineering: LABELLA ASSOCIATES	Fire & Life Safety: STANTON ENGINEERING SERVICES, LLC

ENGINEER OF RECORD

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MILLER-REMIK LLC
PROFESSIONAL ENGINEER

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
MECHANICAL DEMOLITION DUCTWORK PLAN 1ST FLOOR, PHASE 1

Approved by:
Jon Manninen, COR

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
RENOVATE SURGICAL SUITE PHASE II

Project Number
658-19-103

Location
SALEM VA MEDICAL CENTER

Issue Date
2025-12-30

Checked
BH

Drawn
CS

VA Drawing Number
2617

Building Number
143

Drawing Number
P1-MD111

P:\0499_DVA\0499-0136_Salem_Renovate_Surgical_Suite\4_Drawings\1_Coord\1_Current_Submittal_Phase\6_Mechanical\P1-MD111.dwg 12-29-25 01:27:20 PM jromano

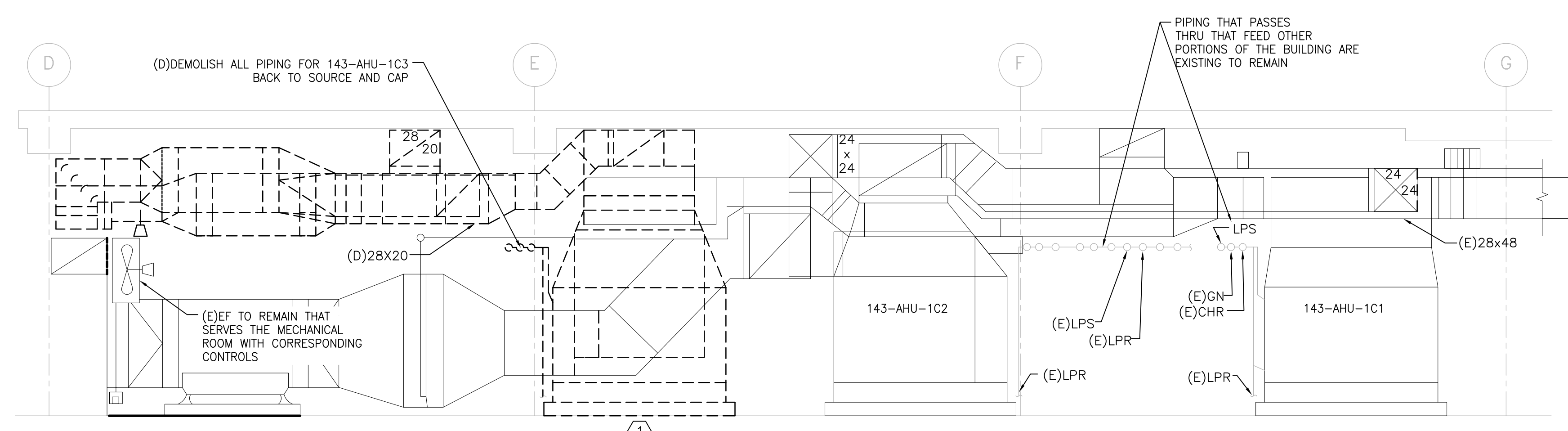
Scale bars for various increments: three inches = one foot, one and one half inches = one foot, one inch = one foot, three quarters inch = one foot, one half inch = one foot, one quarter inch = one foot, three eighths inch = one foot, one eighth inch = one foot.

GENERAL SHEET NOTES:

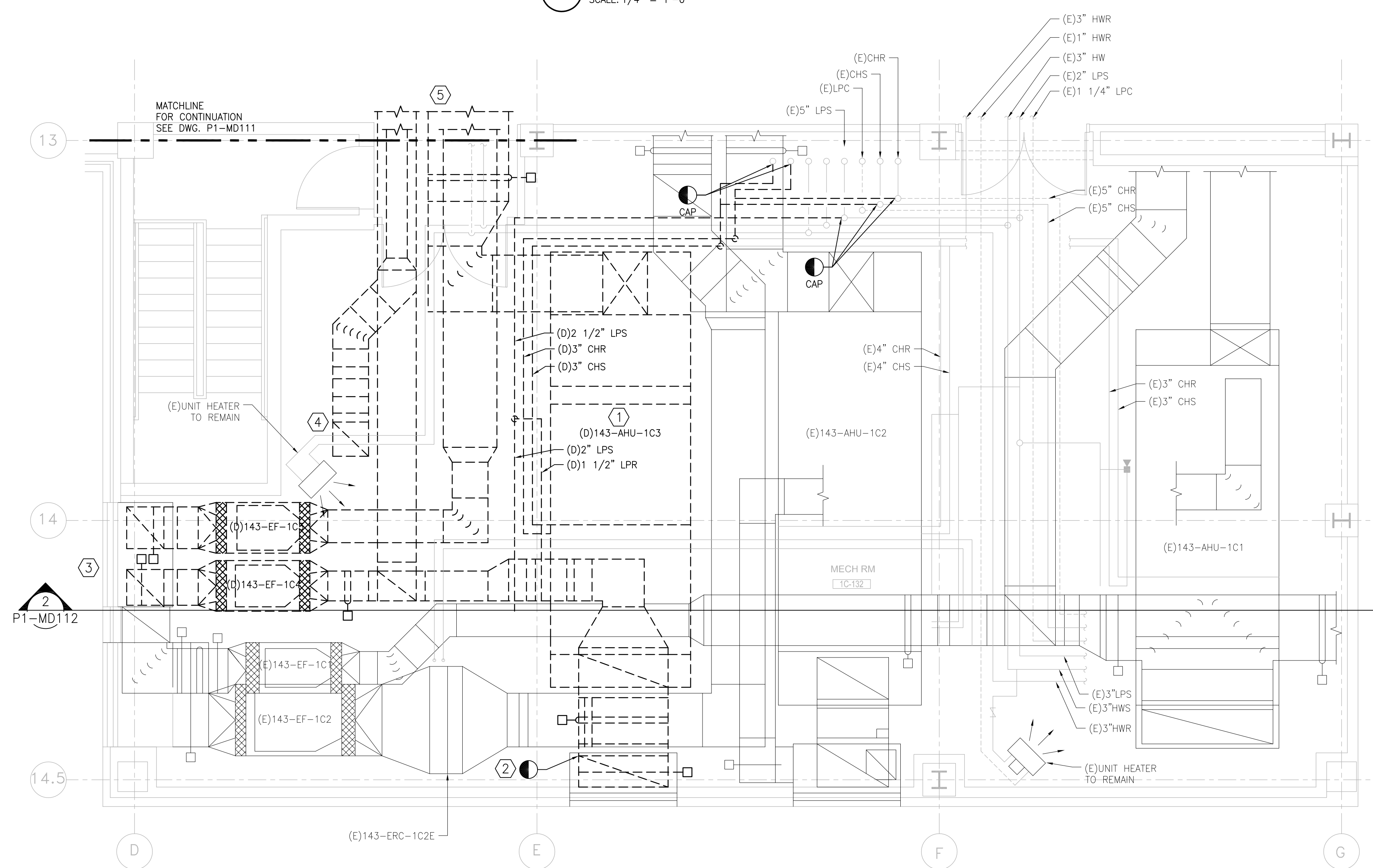
- SEE DRAWING M-001 FOR ABBREVIATIONS, NOTES, & SYMBOLS.
- THE CONTRACTOR MAY BE REQUIRED TO WORK ACROSS THE CONSTRUCTION BOUNDARY LINE TO COMPLETE NEW WORK OR TERMINATE EXISTING. THE CONTRACTOR IS REQUIRED TO ADHERE TO ALL ICRA REQUIREMENTS.

SHEET KEYNOTES:

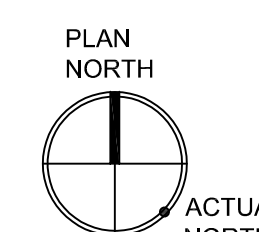
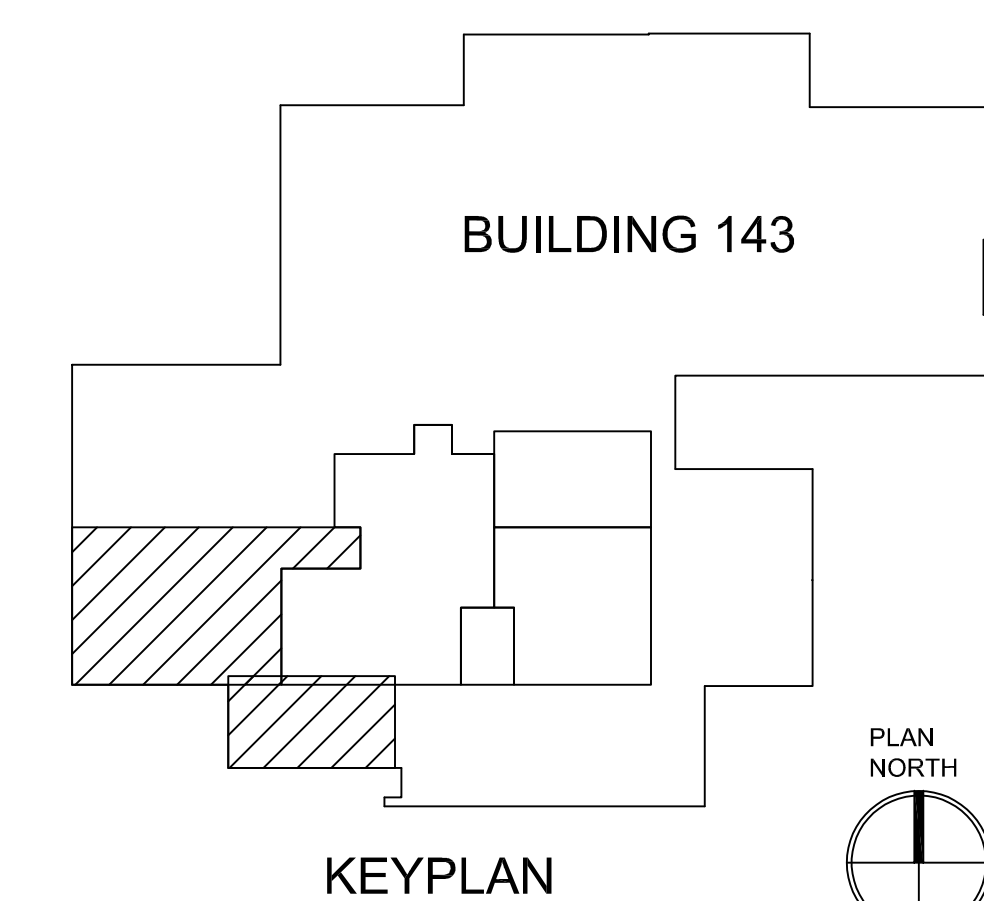
- DEMOLISH EXISTING AHU, DUCT WORK, PIPING, CONTROLS, CONTROL WIRING, HANGERS, SUPPORTS AND ALL APPURTENANCES ASSOCIATED WITH 143-AHU-1C3 UNDER PHASE 1.
- DEMOLISH OA DUCTWORK AND DISCONNECT OA DUCTWORK FROM OA PLENUM. OA PLENUM EXISTING TO REMAIN.
- DEMOLISH EA DUCTWORK AND DISCONNECT EA DUCTWORK FROM EA PLENUM. EA PLENUM EXISTING TO REMAIN.
- DEMOLISH 24x24 DUCTWORK UP THROUGH ROOF. PATCH ROOF OPENING TO MATCH EXISTING ROOF.
- DEMOLISH DUCTWORK OUT TO FIRST FLOOR. REFER TO DRAWING P1-MD111.



2 SECTION AT MECHANICAL ROOM 1C-132
SCALE: 1/4" = 1'-0"



1 MECHANICAL DEMOLITION PLAN - MECHANICAL ROOM, PHASE 1
SCALE: 1/4" = 1'-0"



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

CONSULTANTS

Architecture: PF&A DESIGN, P.C.	Civil Engineering: LABELLA ASSOCIATES	Fire & Life Safety: STANTON ENGINEERING SERVICES, LLC
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ENGINEER OF RECORD



MILLER-REMICK LLC
PROFESSIONAL ENGINEER



Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title MECHANICAL DEMOLITION PLAN MECHANICAL ROOM, PHASE 1
Approved by: Jon Manninen, COR

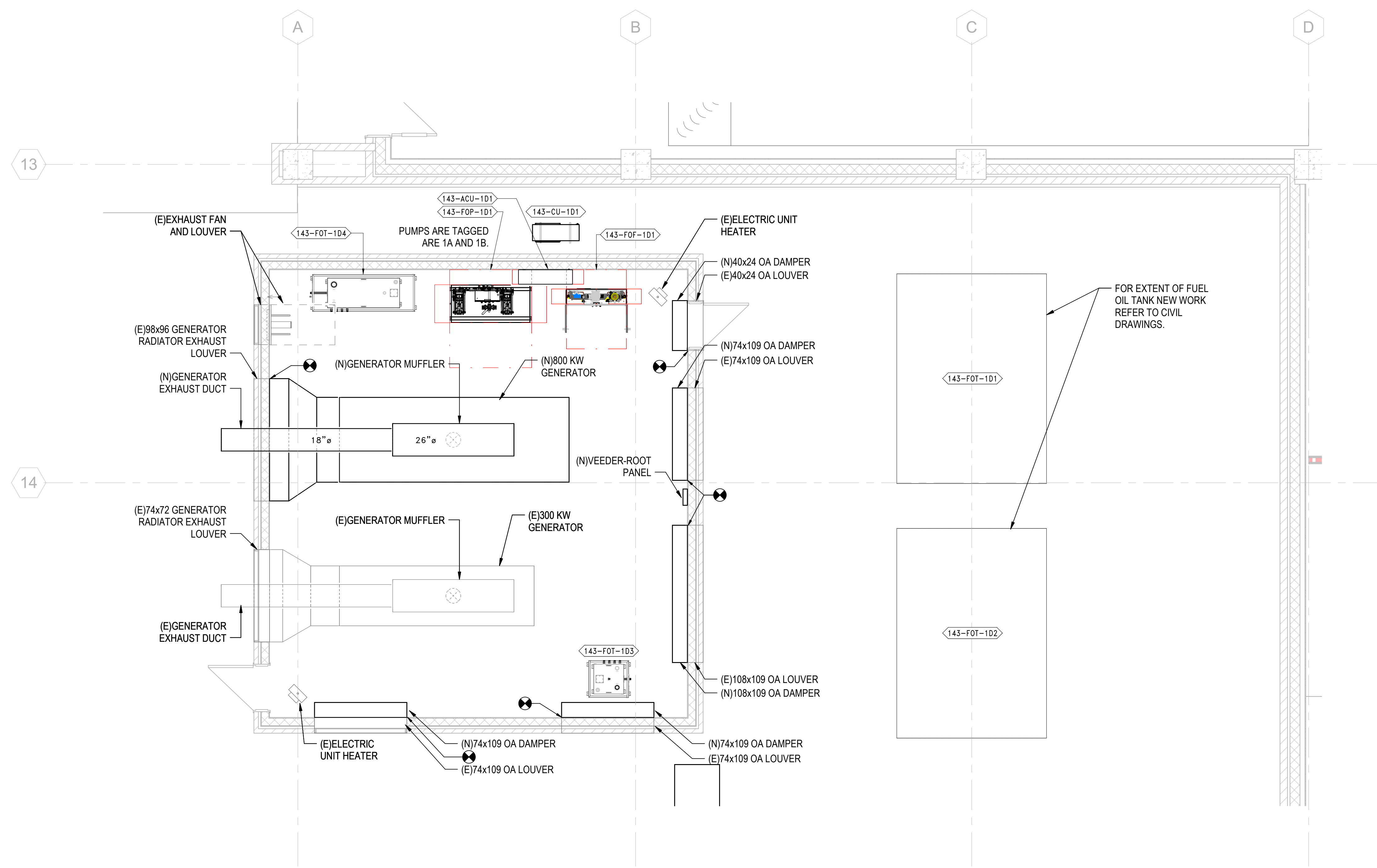
Phase BID DOCUMENTS
FULLY SPRINKLERED

Project Title RENOVATE SURGICAL SUITE PHASE II
Project Number 658-19-103
Location SALEM VA MEDICAL CENTER
Issue Date 2025-12-30
Checked DJ
Drawn JAK

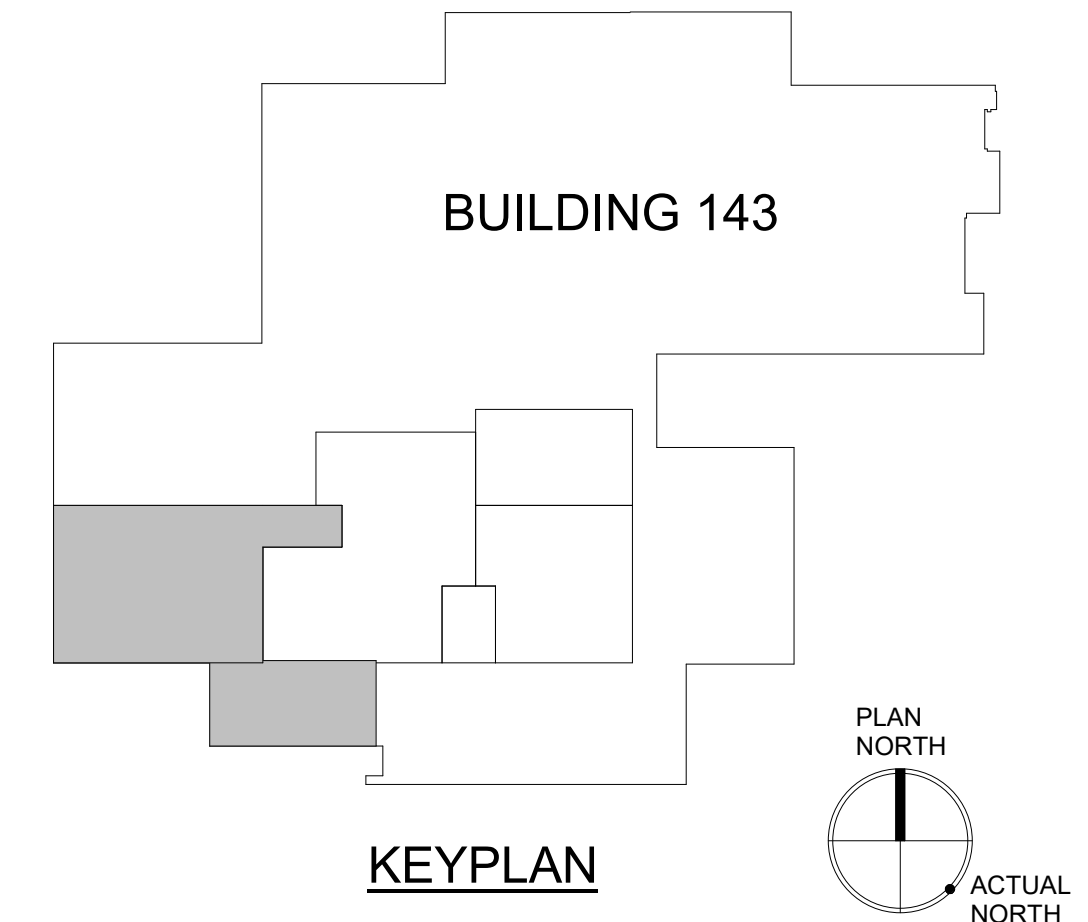
VA Drawing Number 2617
Building Number 143
Drawing Number P1-MD112

GENERAL SHEET NOTES:

1. REFER TO DRAWING M-001 FOR MECHANICAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
2. COORDINATE ALL UNDERGROUND UTILITY NEW WORK WITH CIVIL DRAWINGS.



1 DUCTWORK PLAN - 1ST FLOOR, PHASE 1 - GENERATOR
SCALE: 1/4" = 1'-0"



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER. Revisions: _____ Date: _____ 2/29/2025 14:31 PM	CONSULTANT Architecture: PF&A DESIGN, P.C. Civil Engineering: LABELLA ASSOCIATES Fire Protection: STANTON ENGINEERING SERVICES, LLC			ENGINEER OF RECORD MILLER-REMICK LLC PROFESSIONAL ENGINEER ANTHONY J. MILLER, P.E. Lic. No. 402055079 COMMONWEALTH OF VIRGINIA PROFESSIONAL ENGINEER 12.30.2025		Office of Construction and Facilities Management U.S. Department of Veterans Affairs		Drawing Title: MECHANICAL DUCTWORK PLAN BASEMENT, PHASE 1 Approved by: Jon Manninen, COR		Phase: BID DOCUMENTS FULLY SPRINKLERED		Project Title: RENOVATE SURGICAL SUITE PHASE II Project Number: 658-19-103 Location: SALEM VA MEDICAL CENTER Issue Date: 2025-12-30 Checked: DJ Drawn: JAK		VA Drawing Number: 2617 Building Number: 143 Drawing Number: P1-MH101	
	VA FORM 08 - 6231														

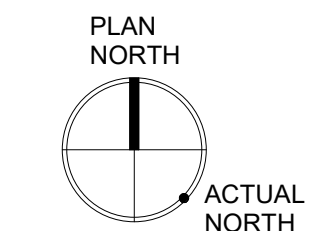
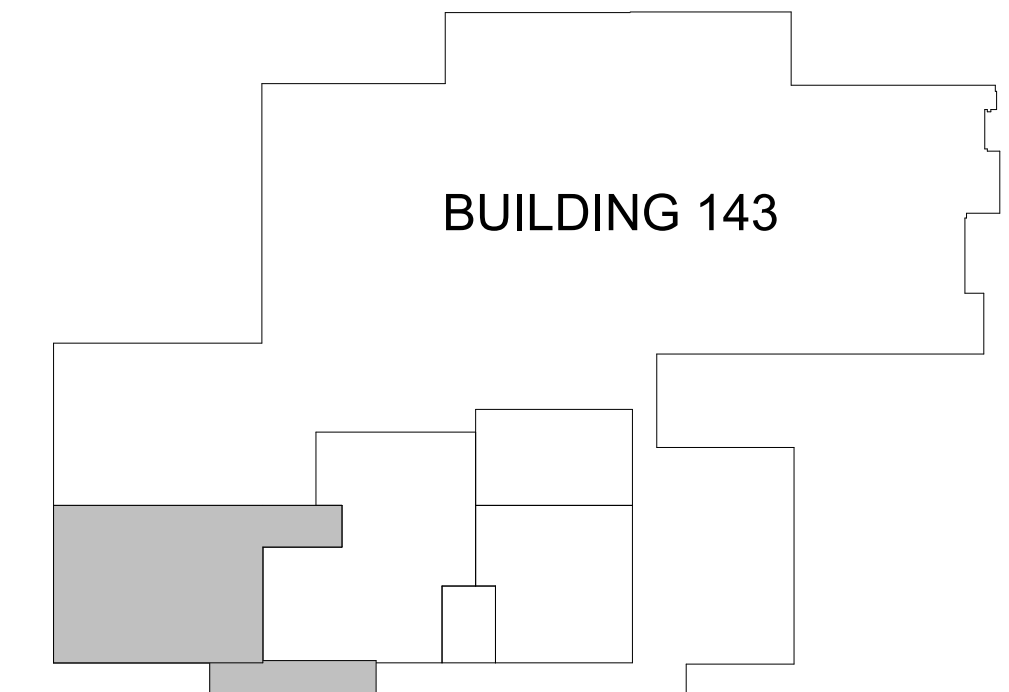
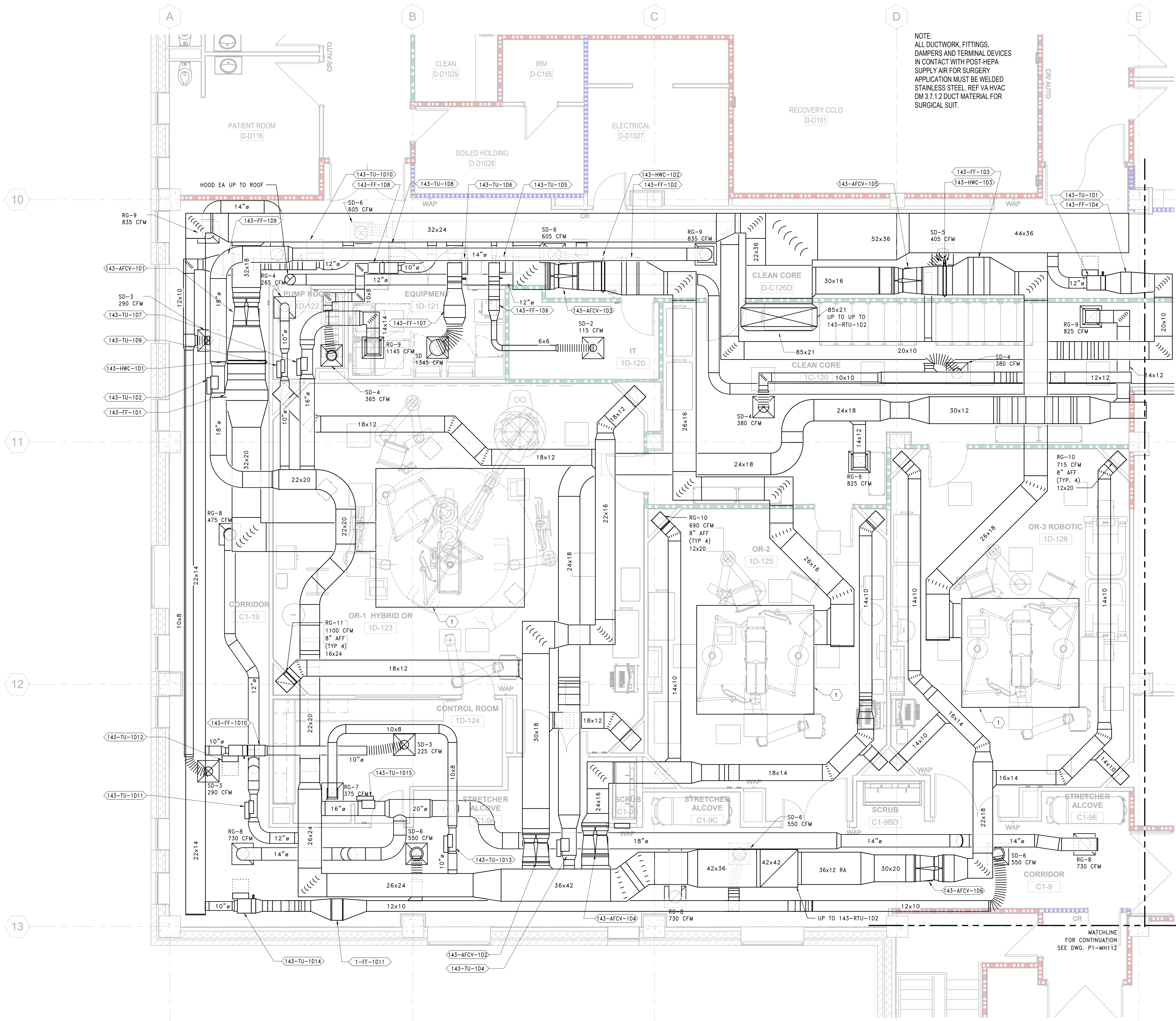
GENERAL SHEET NOTES:

- REFER TO DRAWING M-001 FOR MECHANICAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- ALL DUCTWORK, FITTINGS, DAMPERS AND TERMINAL DEVICES IN CONTACT WITH POST-HEPA SUPPLY AIR FOR SURGERY APPLICATION MUST BE WELDED STAINLESS STEEL. REF VA HVAC DM 3.7.1.2 DUCT MATERIAL FOR SURGICAL SUIT.

SHEET KEYNOTES:

- DIFFUSER FIELD IN CEILING. REFER TO ARCHITECTURAL DRAWINGS.

NOTE:
ALL DUCTWORK, FITTINGS,
DAMPERS AND TERMINAL DEVICES
IN CONTACT WITH POST-HEPA
SUPPLY AIR FOR SURGERY
APPLICATION MUST BE WELDED
STAINLESS STEEL. REF VA HVAC
DM 3.7.1.2 DUCT MATERIAL FOR
SURGICAL SUIT.

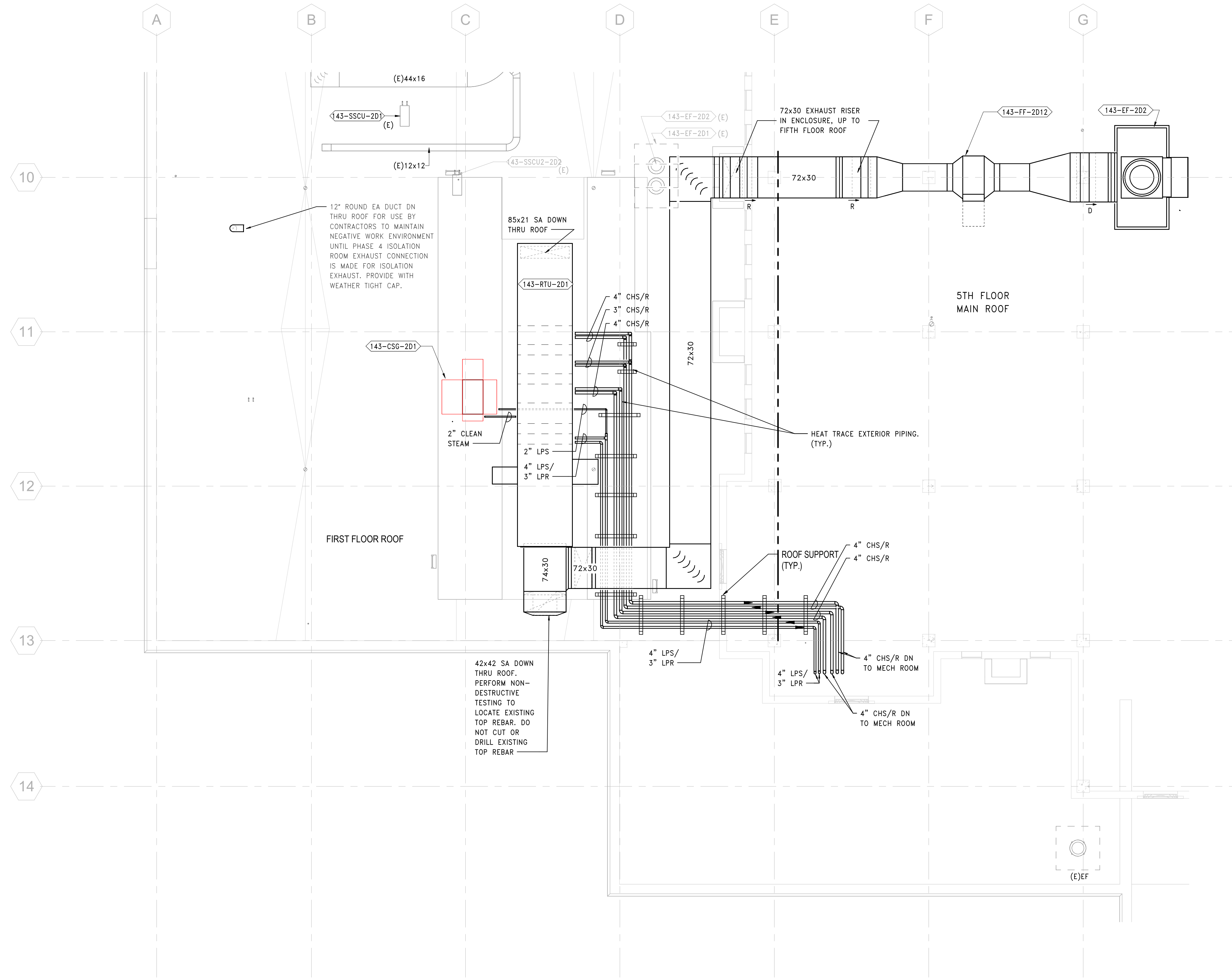


1 DUCTWORK PLAN - 1ST FLOOR, PHASE 1
SCALE: 1/4" = 1'-0"

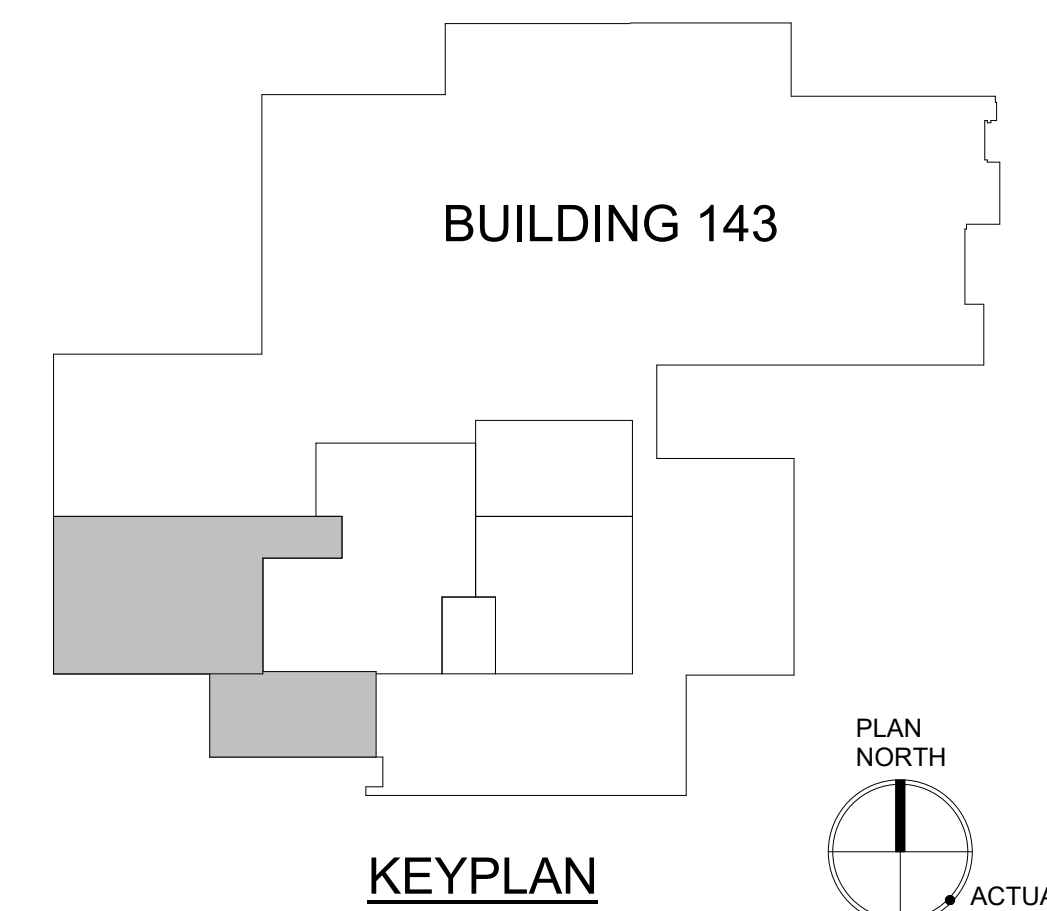
PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER. 2/29/2025 1:44:34 PM	CONSULTANT Architecture: PF&A DESIGN, P.C. Civil Engineering: LABELLA ASSOCIATES Fire Protection: STANTON ENGINEERING SERVICES, LLC			ENGINEER OF RECORD MILLER-REMICK LLC PROFESSIONAL ENGINEER 		Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title: MECHANICAL DUCTWORK PLAN 1ST FLOOR, PHASE 1 Approved by: Jon Manninen, COR		Phase: BID DOCUMENTS		Project Title: RENOVATE SURGICAL SUITE PHASE II Project Number: 658-19-103		VA Drawing Number: 2617 Building Number: 143	
	Fully Sprinklered: FULLY SPRINKLERED		Location: SALEM VA MEDICAL CENTER		Drawing Number: P1-MH111										
Revisions:	Date:									Issue Date: 2025-12-30		Checked: CS		Drawn: SP	

GENERAL SHEET NOTES:

- REFER TO DRAWING M-001 FOR MECHANICAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS.

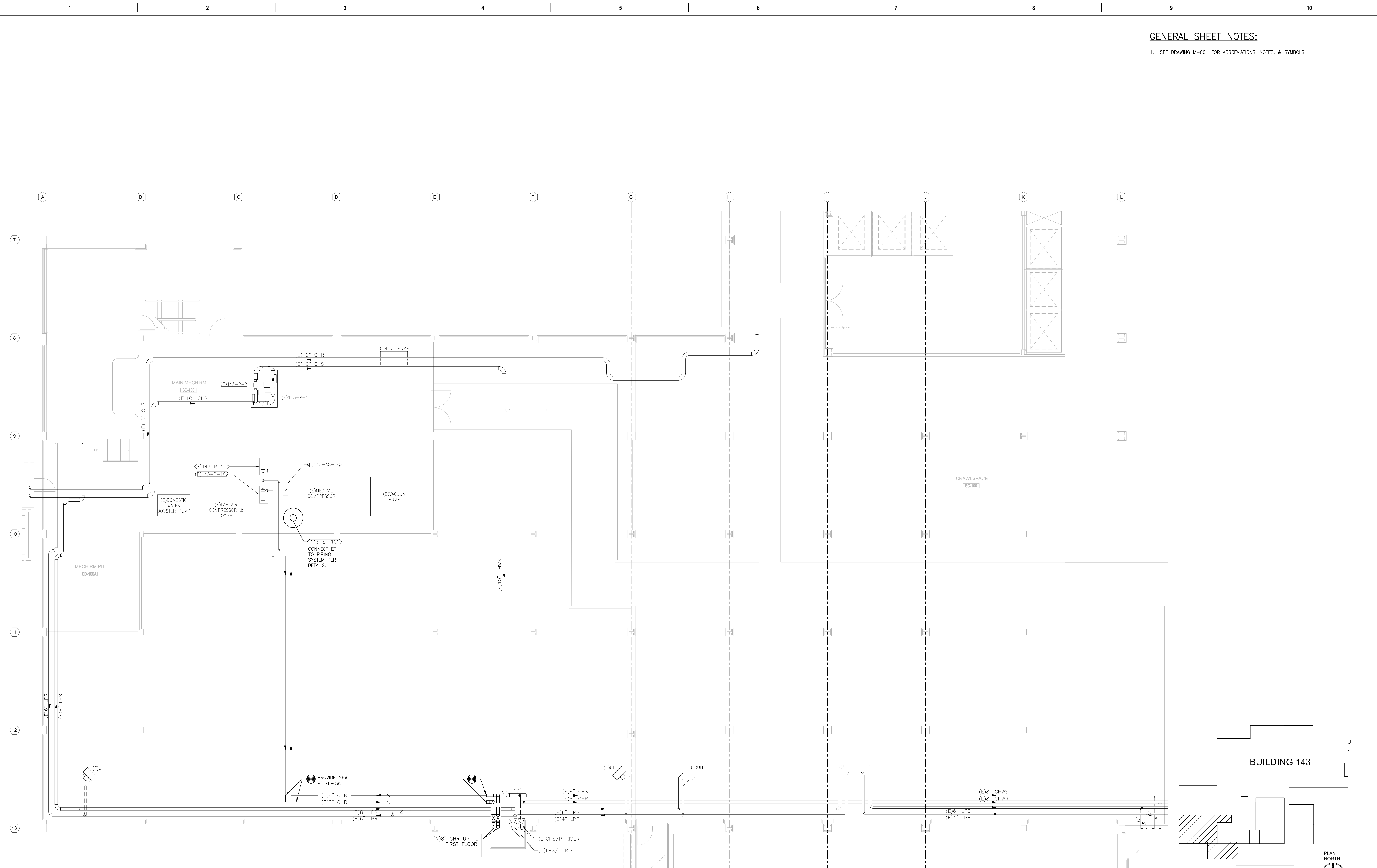


1 DUCTWORK AND PIPING PLAN - ROOF, PHASE 1
SCALE: 1/8" = 1'-0"

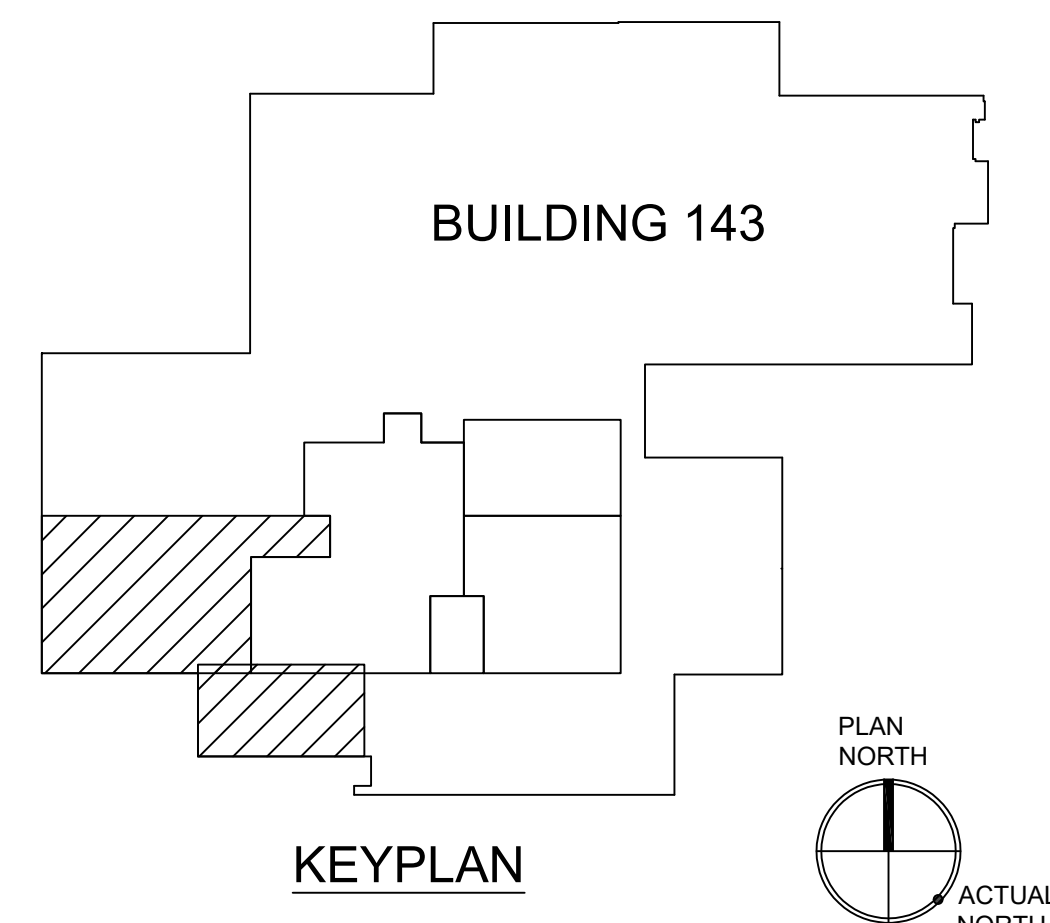


PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER 2/29/2025 1:44:36 PM	CONSULTANT Architecture: PF&A DESIGN, P.C. Civil Engineering: LABELLA ASSOCIATES Fire Protection: STANTON ENGINEERING SERVICES, LLC			ENGINEER OF RECORD MILLER-REMICK LLC PROFESSIONAL ENGINEER A Service-Disabled Veteran-Owned Small Business (856) 429-4000 • Miller-Remick.com		MILLER-REMICK LLC PROFESSIONAL ENGINEER 		Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title: MECHANICAL DUCTWORK PLAN ROOF, PHASE 1 Approved by: Jon Manninen, COR		Phase: BID DOCUMENTS		Project Title: RENOVATE SURGICAL SUITE PHASE II Project Number: 658-19-103		VA Drawing Number: 2617 Building Number: 143	
	Revisions:		Date:		FULLY SPRINKLERED		Location: SALEM VA MEDICAL CENTER Issue Date: 2025-12-30 Checked: DJ Drawn: JAK		Drawing Number: P1-MH121								

GENERAL SHEET NOTES:
 1. SEE DRAWING M-001 FOR ABBREVIATIONS, NOTES, & SYMBOLS.



1 SUB-BASEMENT DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

CONSULTANTS		
Architecture: PF&A DESIGN, P.C.	Civil Engineering: LABELLA ASSOCIATES	Fire & Life Safety: STANTON ENGINEERING SERVICES, LLC

ENGINEER OF RECORD

MILLER-REMICK LLC
 PROFESSIONAL ENGINEER

Office of
 Construction
 and Facilities
 Management

VA U.S. Department of Veterans Affairs

Drawing Title
**MECHANICAL
 PIPING PLAN
 SUB-BASEMENT**

Approved by:
 Jon Manninen, COR

Phase
 BID DOCUMENTS

FULLY SPRINKLERED

Project Title
 RENOVATE SURGICAL SUITE
 PHASE II

Project Number
 658-19-103

Location
 SALEM VA MEDICAL CENTER

Issue Date
 2025-12-30

Checked
 BH

Drawn
 PNL

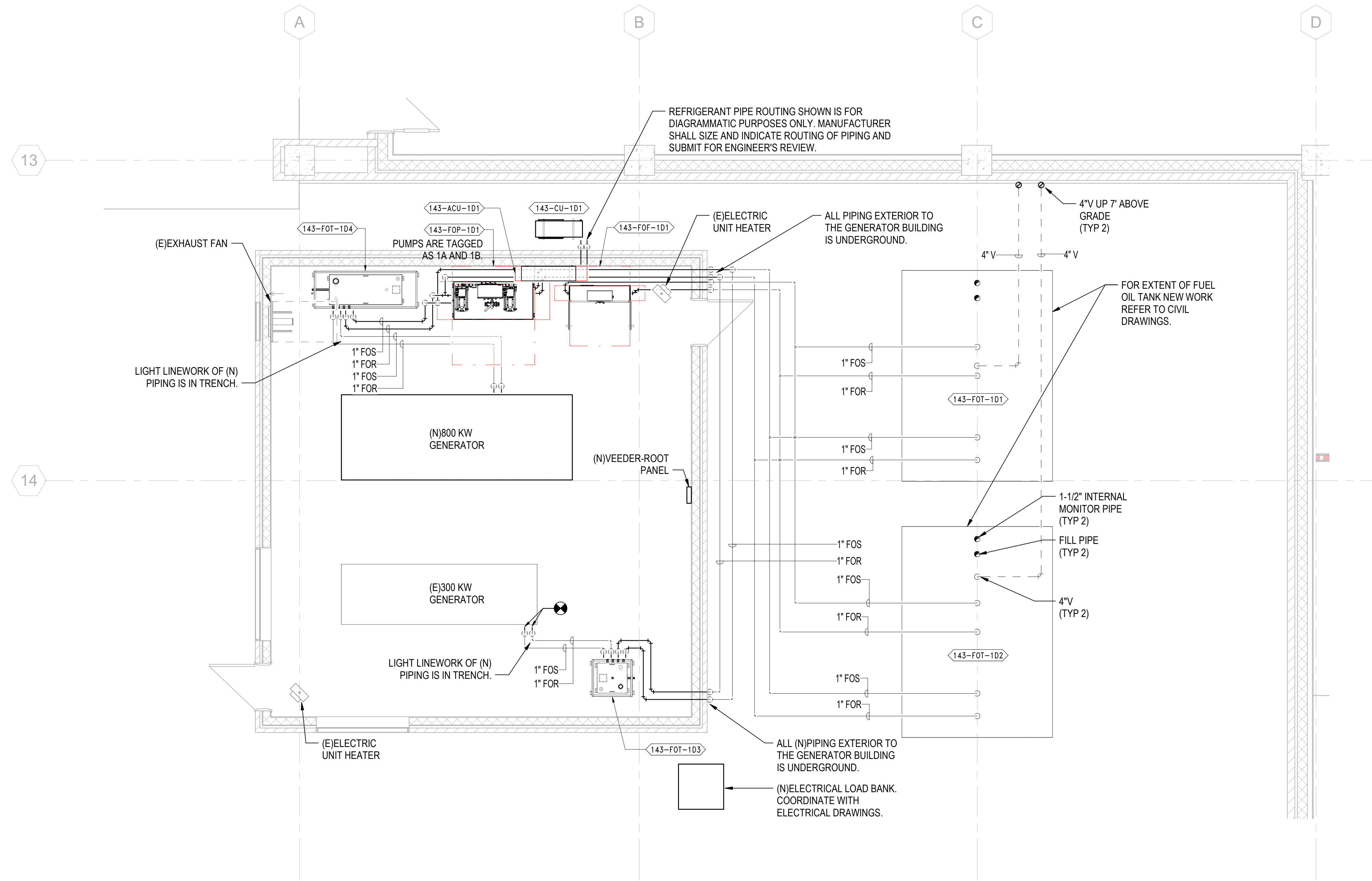
VA Drawing Number
 2617

Building Number
 143

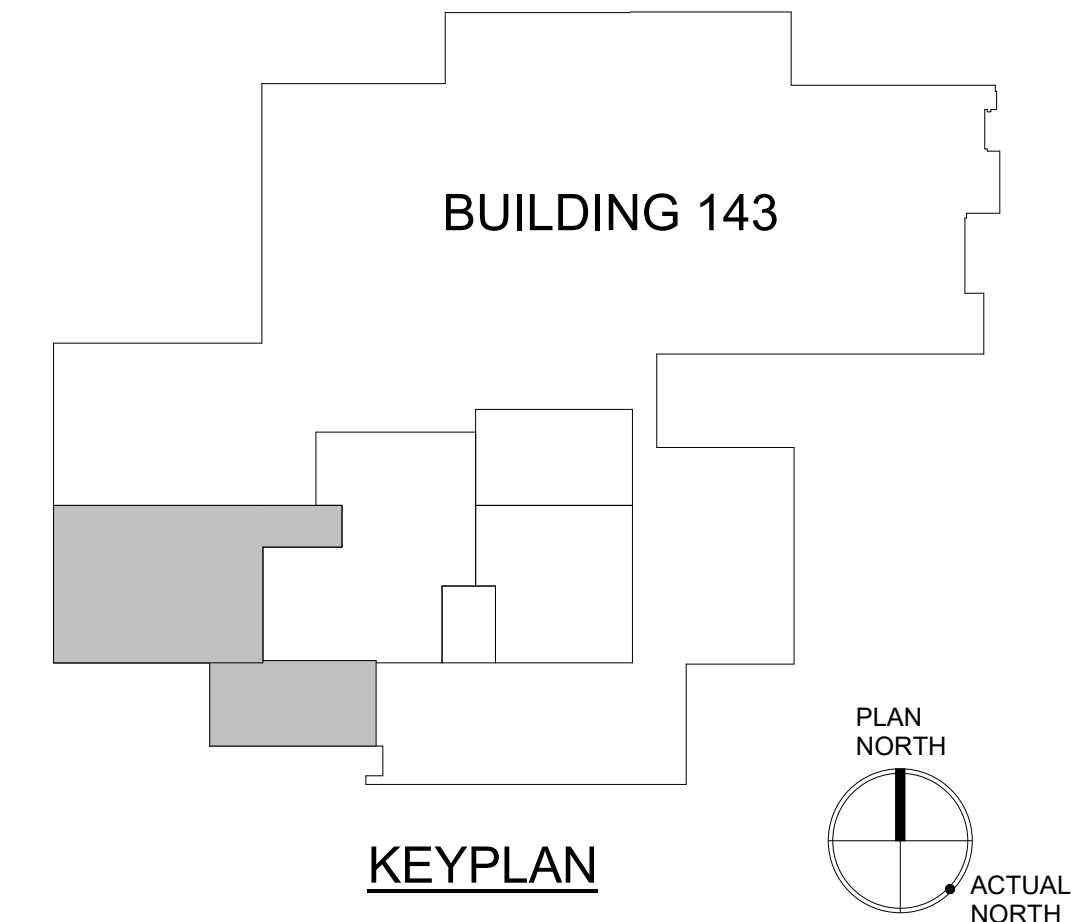
Drawing Number
P1-MP100

GENERAL SHEET NOTES:

1. REFER TO DRAWING M-001 FOR MECHANICAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
2. COORDINATE ALL UNDERGROUND UTILITY NEW WORK WITH CIVIL DRAWINGS.



1 PIPING PLAN - BASEMENT GENERATOR, PHASE 1
SCALE: 1/4" = 1'-0"



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER. Revisions: _____ Date: _____ VA FORM 08 - 6231	CONSULTANT Architecture: PF&A DESIGN, P.C. Civil Engineering: LABELLA ASSOCIATES Fire Protection: STANTON ENGINEERING SERVICES, LLC			ENGINEER OF RECORD MILLER-REMICK LLC PROFESSIONAL ENGINEER COMMONWEALTH OF VIRGINIA ANTHONY DANIEL PACARD JR. Lic. No. 402055079 PROFESSIONAL ENGINEER 12.30.2025		Office of Construction and Facilities Management U.S. Department of Veterans Affairs		Drawing Title: MECHANICAL PIPING PLAN BASEMENT GENERATOR, PHASE 1 Approved by: Jon Manninen, COR		Phase: BID DOCUMENTS FULLY SPRINKLERED		Project Title: RENOVATE SURGICAL SUITE PHASE II Project Number: 658-19-103 Location: SALEM VA MEDICAL CENTER Issue Date: 2025-12-30 Checked: JAK Drawn: JLR		VA Drawing Number: 2617 Building Number: 143 Drawing Number: P1-MP102	
	Revisions: _____ Date: _____														

one eighth inch = one foot
 one half inch = one foot
 one inch = one foot
 one and one half inch = one foot
 two inch = one foot
 three quarter inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot
 one sixteenth inch = one foot
 one thirty second inch = one foot
 one sixty fourth inch = one foot
 one one hundred twenty eighth inch = one foot
 one two hundred fifty sixth inch = one foot
 one five hundred twelfth inch = one foot
 one thousand two hundred forty eighth inch = one foot
 one two thousand four hundred ninety sixth inch = one foot
 one four thousand nine hundred ninety second inch = one foot
 one nine thousand nine hundred eighty fourth inch = one foot
 one nineteen thousand nine hundred sixty eighth inch = one foot
 one thirty nine thousand nine hundred thirty sixth inch = one foot
 one seventy nine thousand eight hundred seventy second inch = one foot
 one hundred fifty eight thousand seven hundred forty fourth inch = one foot
 one three hundred one thousand four hundred eighty eighth inch = one foot
 one six hundred two thousand nine hundred seventy sixth inch = one foot
 one twelve hundred four thousand seven hundred fifty second inch = one foot
 one two thousand four hundred ninety sixth inch = one foot
 one four thousand nine hundred ninety second inch = one foot
 one nine thousand nine hundred eighty fourth inch = one foot
 one nineteen thousand nine hundred sixty eighth inch = one foot
 one thirty nine thousand nine hundred thirty sixth inch = one foot
 one seventy nine thousand eight hundred seventy second inch = one foot
 one hundred fifty eight thousand seven hundred forty fourth inch = one foot
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 one twelve hundred four thousand seven hundred fifty second inch = one foot

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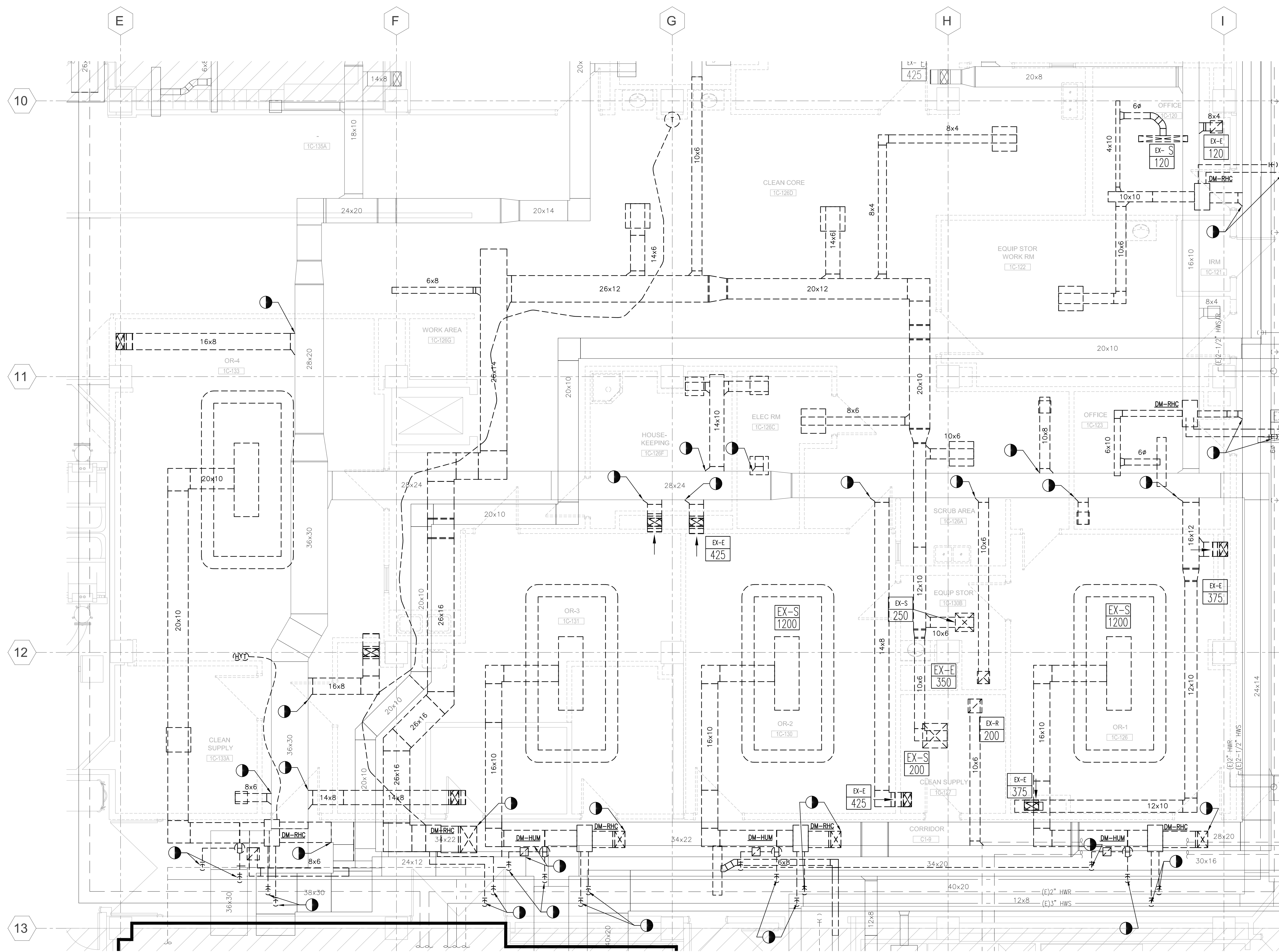
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B
C
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GENERAL SHEET NOTES:

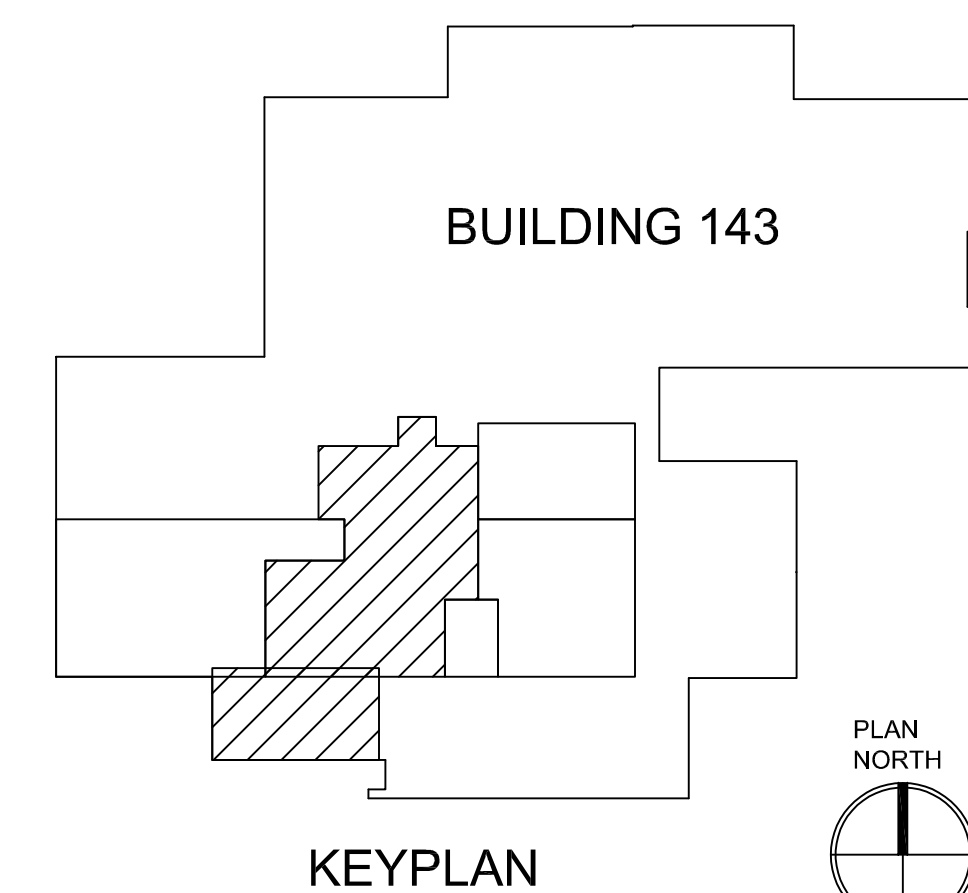
1. THE CONTRACTOR MAY BE REQUIRED TO WORK ACROSS THE CONSTRUCTION BOUNDARY LINE TO COMPLETE NEW WORK OR TERMINATE EXISTING. THE CONTRACTOR IS REQUIRED TO ADHERE TO ALL ICRA REQUIREMENTS.

SHEET KEYNOTES:

1. DEMOLISH EXISTING DUCT WORK, TERMINAL UNITS, CONTROLS, CONTROL WIRING, HANGERS, REGISTERS, GRILLES AND ALL APPURTENANCES.



1 MECHANICAL DEMOLITION DUCTWORK PLAN – 1ST FLOOR, PHASE 2 (SOUTH)
SCALE: 1/4" = 1'-0"



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

CONSULTANTS		
Architecture: PF&A DESIGN, P.C.	Civil Engineering: LABELLA ASSOCIATES	Fire & Life Safety: STANTON ENGINEERING SERVICES, LLC

ENGINEER OF RECORD

MILLER-REMICK LLC
PROFESSIONAL ENGINEER

Office of
Construction
and Facilities
Management

Drawing Title
MECHANICAL DEMOLITION DUCTWORK PLAN 1ST FLOOR, PHASE 2

Approved by:
Jon Manninen, COR

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
RENOVATE SURGICAL SUITE PHASE II

Project Number 658-19-103

Location
SALEM VA MEDICAL CENTER

Issue Date 2025-12-30

Checked PK

Drawn SP

VA Drawing Number 2617

Building Number 143

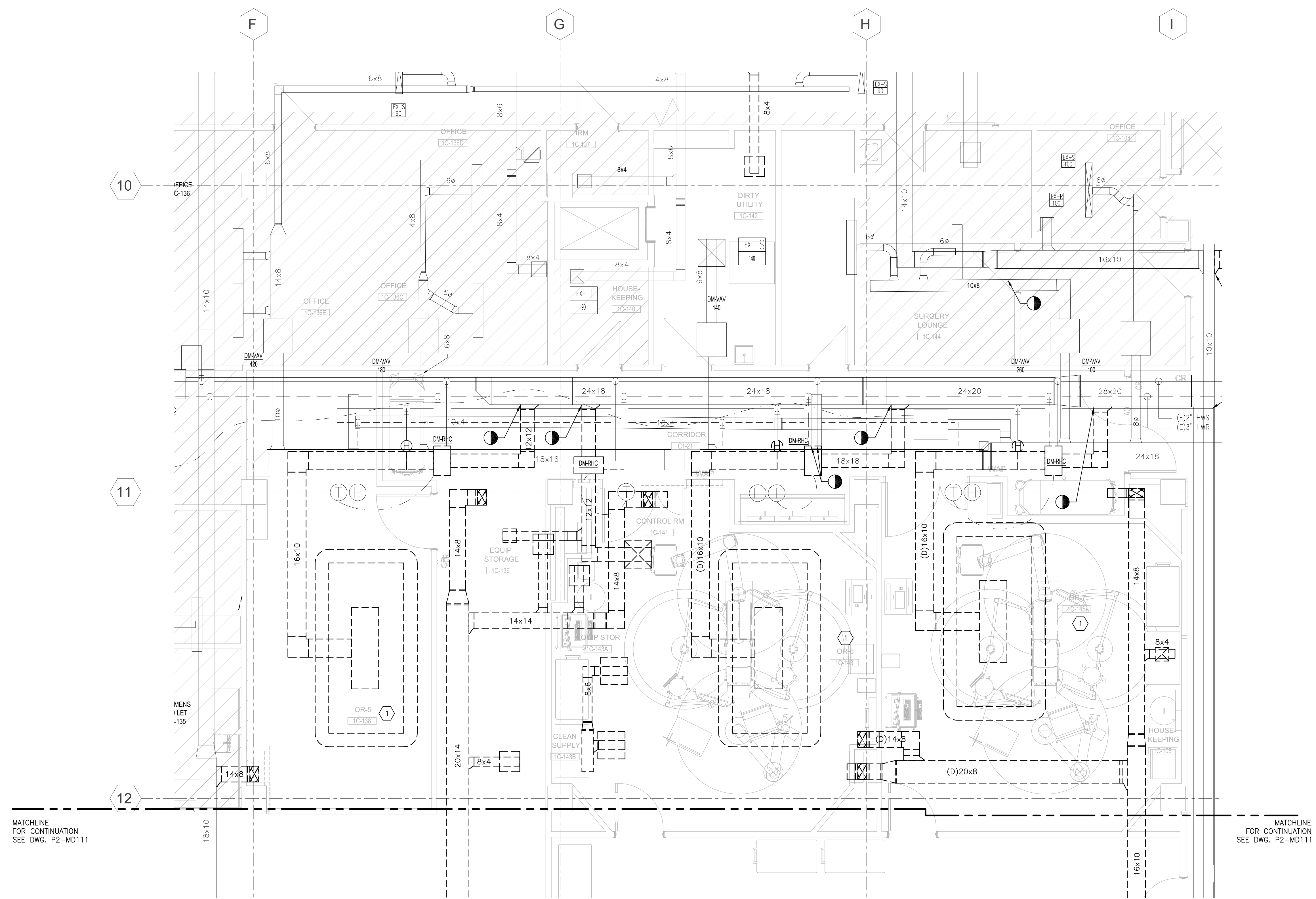
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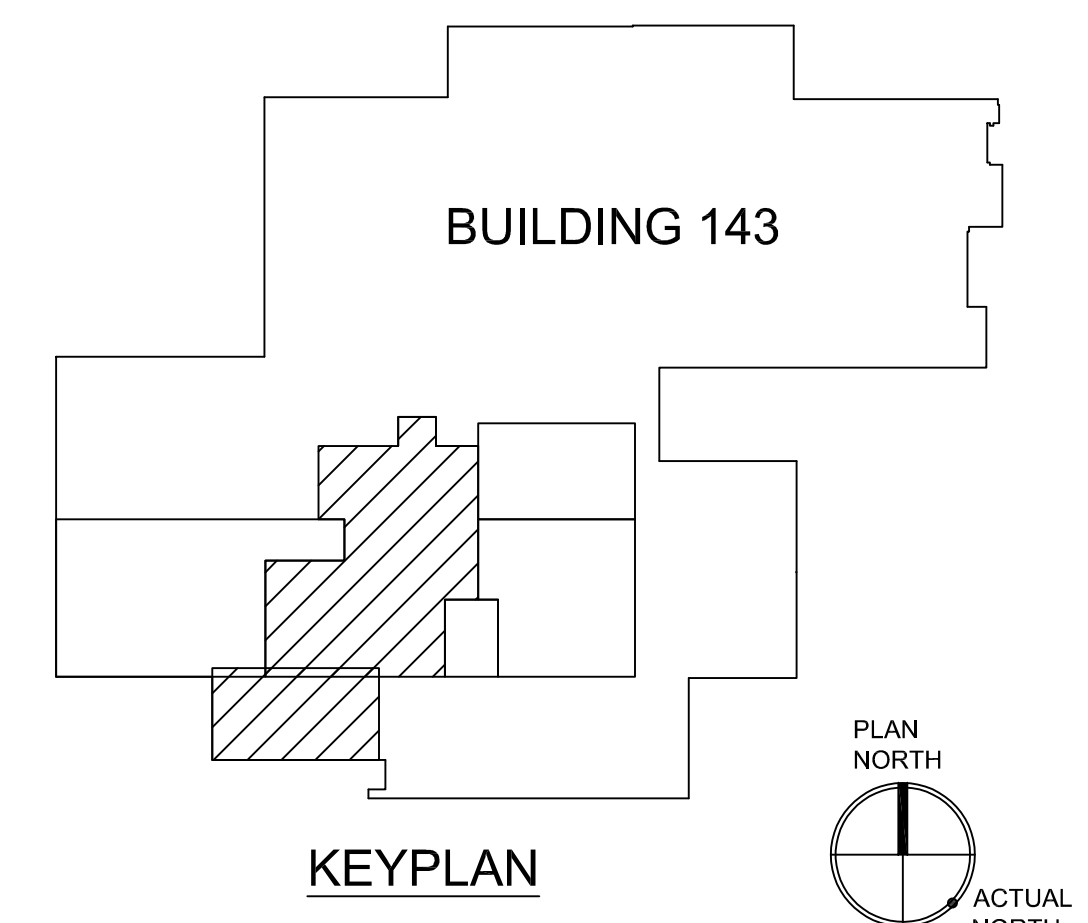
- THE CONTRACTOR MAY BE REQUIRED TO WORK ACROSS THE CONSTRUCTION BOUNDARY LINE TO COMPLETE NEW WORK OR TERMINATE EXISTING. THE CONTRACTOR IS REQUIRED TO ADHERE TO ALL ICRA REQUIREMENTS.

SHEET KEYNOTES:

- DEMOLISH EXISTING DUCT WORK, TERMINAL UNITS, CONTROLS, CONTROL WIRING, HANGERS, REGISTERS, GRILLES AND ALL APPURTENANCES.



1 MECHANICAL DEMOLITION DUCTWORK PLAN – 1ST FLOOR, PHASE 2 (NORTH)
SCALE: 1/4" = 1'-0"



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

CONSULTANTS		
Architecture: PF&A DESIGN, P.C.	Civil Engineering: LABELLA ASSOCIATES	Fire & Life Safety: STANTON ENGINEERING SERVICES, LLC

ENGINEER OF RECORD

A Service Disabled Veteran-Owned Small Business
(856) 429-4000 • Miller-Remick.com

MILLER-REMICK LLC
PROFESSIONAL ENGINEER

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
MECHANICAL DEMOLITION DUCTWORK PLAN 1ST FLOOR, PHASE 2 (NORTH)

Approved by:
Jon Manninen, COR

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
RENOVATE SURGICAL SUITE PHASE II

Project Number 658-19-103

Location
SALEM VA MEDICAL CENTER

Issue Date 2025-12-30

Checked BH

Drawn PNL

VA Drawing Number 2617

Building Number 143

Drawing Number **P2-MD112**

GENERAL SHEET NOTES:

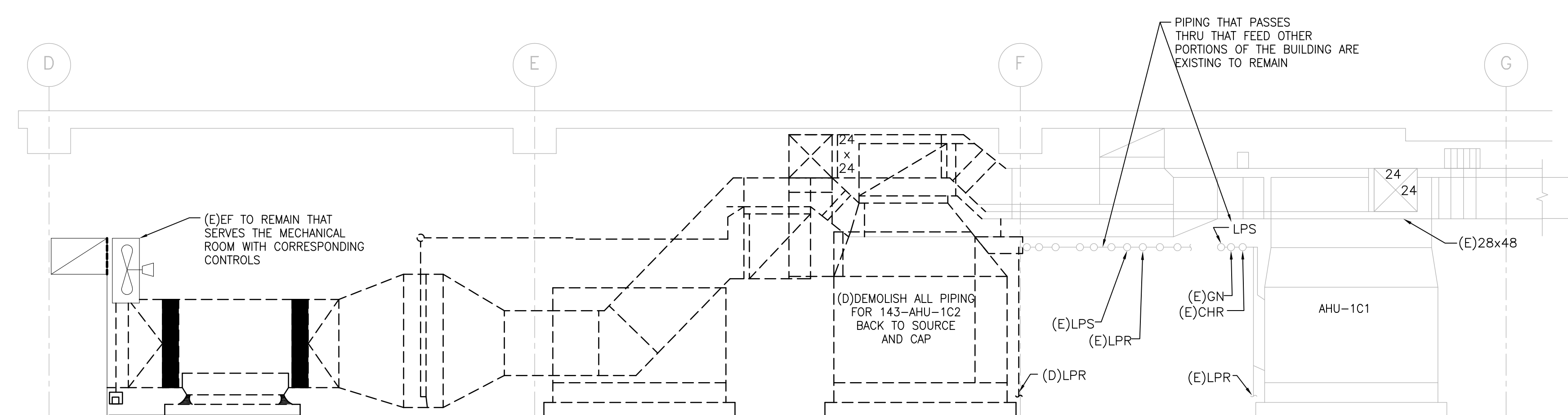
- SEE DRAWING M-001 FOR ABBREVIATIONS, NOTES, & SYMBOLS.
- THE CONTRACTOR MAY BE REQUIRED TO WORK ACROSS THE CONSTRUCTION BOUNDARY LINE TO COMPLETE NEW WORK OR TERMINATE EXISTING. THE CONTRACTOR IS REQUIRED TO ADHERE TO ALL ICRA REQUIREMENTS.

SHEET KEYNOTES:

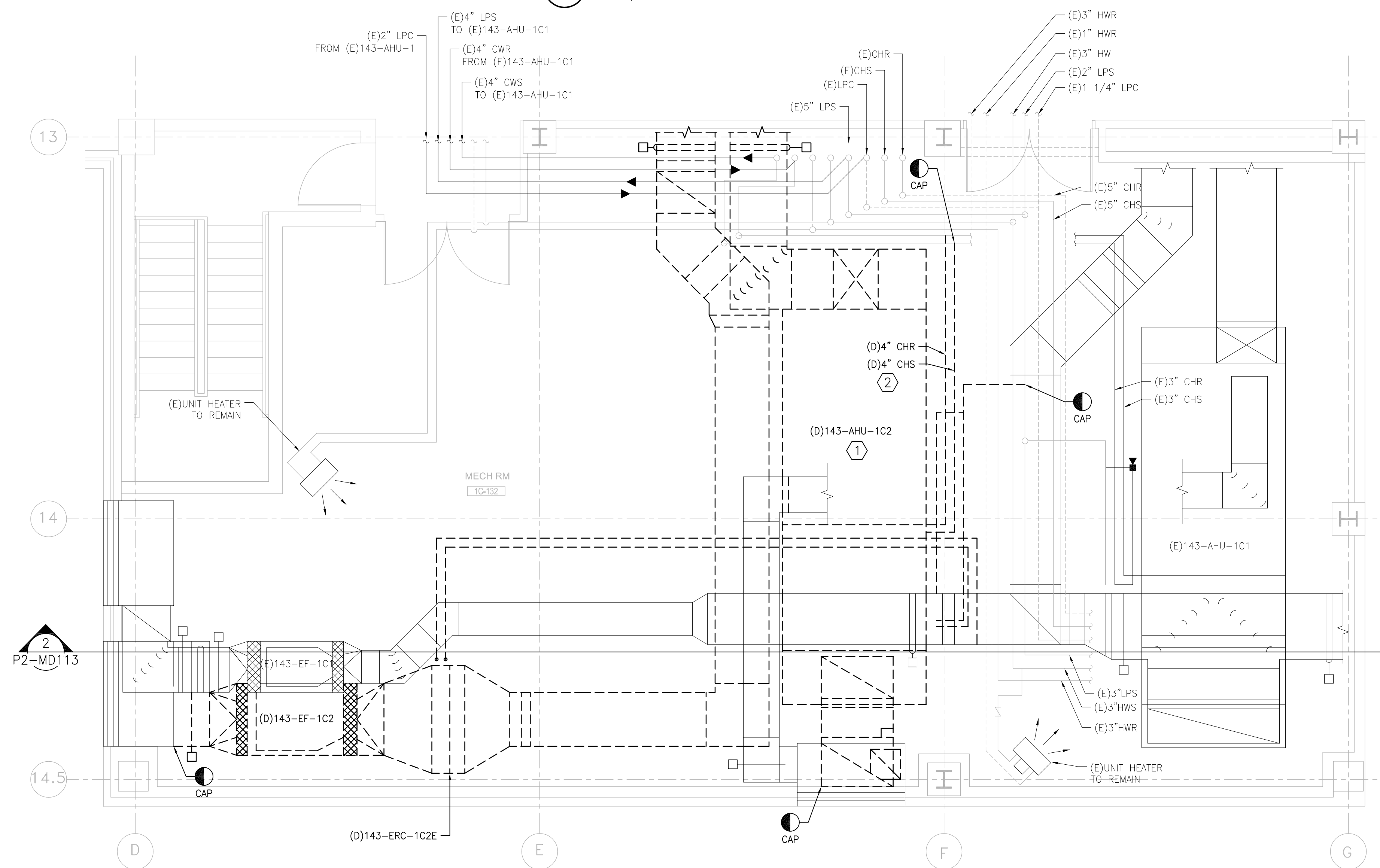
- DEMOLISH EXISTING AHU's, DUCT WORK, CONTROLS, CONTROL WIRING, HANGERS, SUPPORTS AND ALL APPURTENANCES.
- DEMOLISH EXISTING PIPING, HANGERS, SUPPORTS AND ALL APPURTENANCES.

PHASING

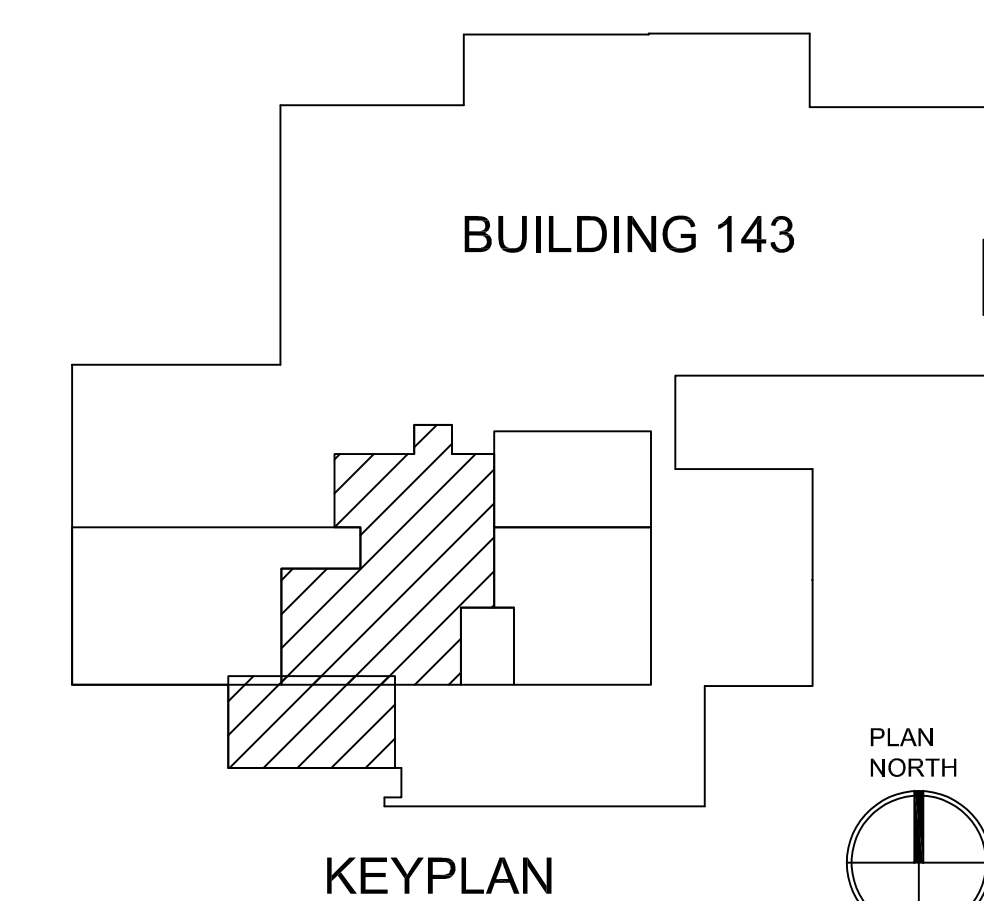
- PHASE II HVAC WORK: DEMOLISH 143-AHU-1C2 AND ALL ASSOCIATED DUCTWORK AND MECHANICAL PIPING THROUGHOUT THE PHASE II AREA.
- INSTALL NEW AHU 143-AHU-1C2 AND ASSOCIATED EQUIPMENT AS SHOWN IN SHEET P2-MH113.
- INSTALL ALL ASSOCIATED DUCTWORK IN ACCORDANCE WITH SHEET P2-MH113.
- INSTALL ALL NEW MECHANICAL PIPING IN ACCORDANCE WITH SHEET P2-MP113.



2 SECTION AT MECHANICAL ROOM 1C-132
SCALE: 1/4" = 1'-0"



1 MECHANICAL DEMOLITION PLAN - MECHANICAL ROOM, PHASE 2
SCALE: 1/4" = 1'-0"



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

CONSULTANTS

Architecture: PF&A DESIGN, P.C.	Civil Engineering: LABELLA ASSOCIATES	Fire & Life Safety: STANTON ENGINEERING SERVICES, LLC
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ENGINEER OF RECORD

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MILLER-REMICK LLC
PROFESSIONAL ENGINEER



Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title MECHANICAL DEMOLITION PLAN MECHANICAL ROOM, PHASE 2
Approved by: Jon Manninen, COR

Phase BID DOCUMENTS
FULLY SPRINKLERED

Project Title RENOVATE SURGICAL SUITE PHASE II Project Number 658-19-103
Location SALEM VA MEDICAL CENTER
Issue Date 2025-12-30
Checked BH
Drawn CS

VA Drawing Number 2617
Building Number 143
Drawing Number P2-MD113

P:\0499_DVA\0499-0136_Salem_Renovate_Surgical_Suite\4_Drawings\1_Cad\1_Current_Submittal_Phase\6_Mechanical\P2-MD113.dwg 12-29-25 01:31:40 PM jromano

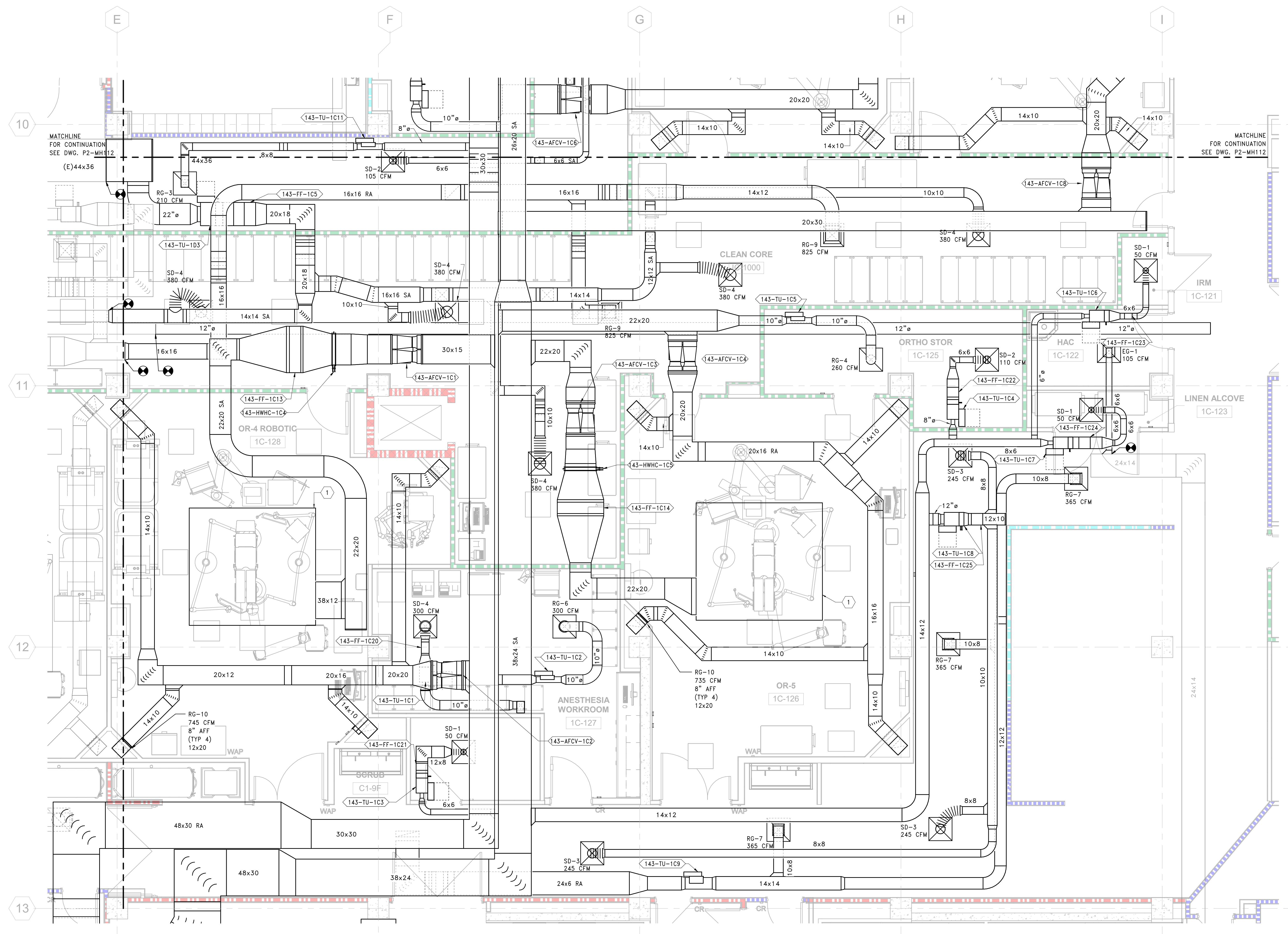
Scale bars: three inches = one foot, one and one half inches = one foot, one inch = one foot, three quarters inch = one foot, one half inch = one foot, three eighths inch = one foot, one quarter inch = one foot, one eighth inch = one foot.

GENERAL SHEET NOTES:

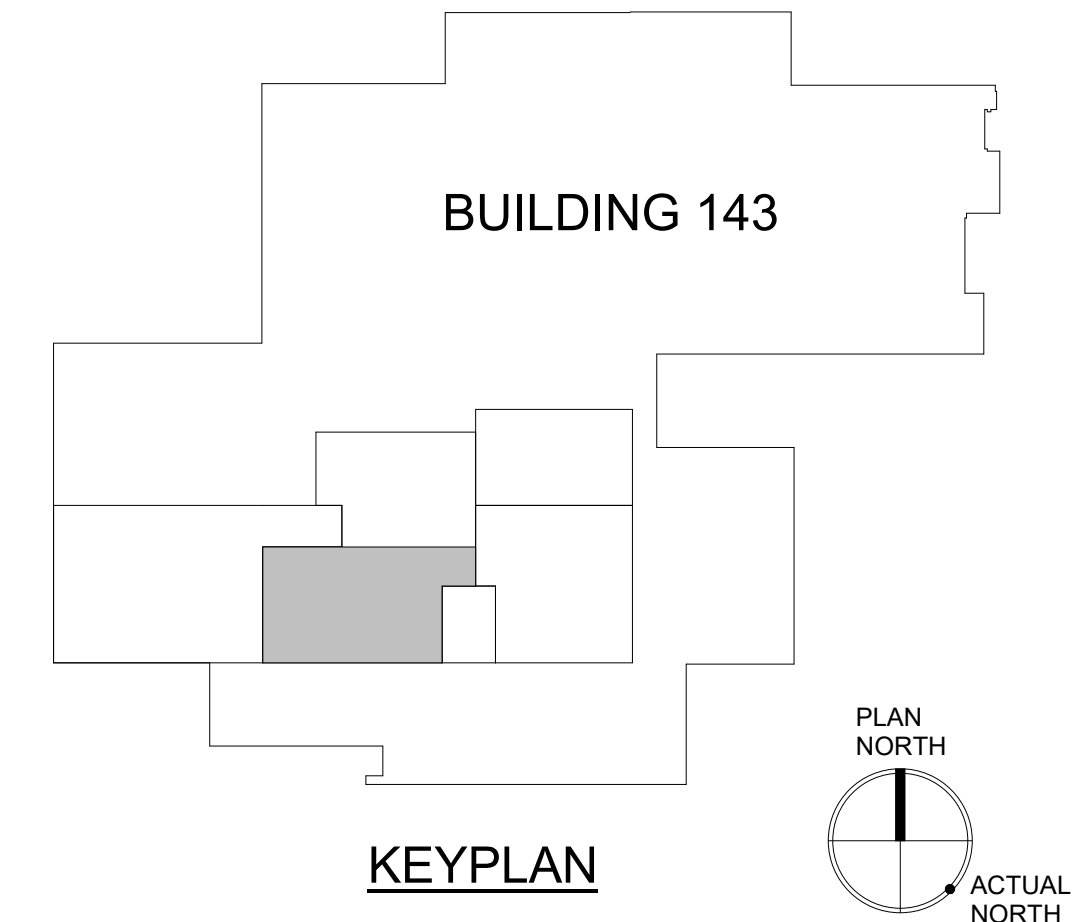
- REFER TO DRAWING M-001 FOR MECHANICAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS.

SHEET KEYNOTES:

- DIFFUSER FIELD IN CEILING. REFER TO ARCHITECTURAL DRAWINGS.



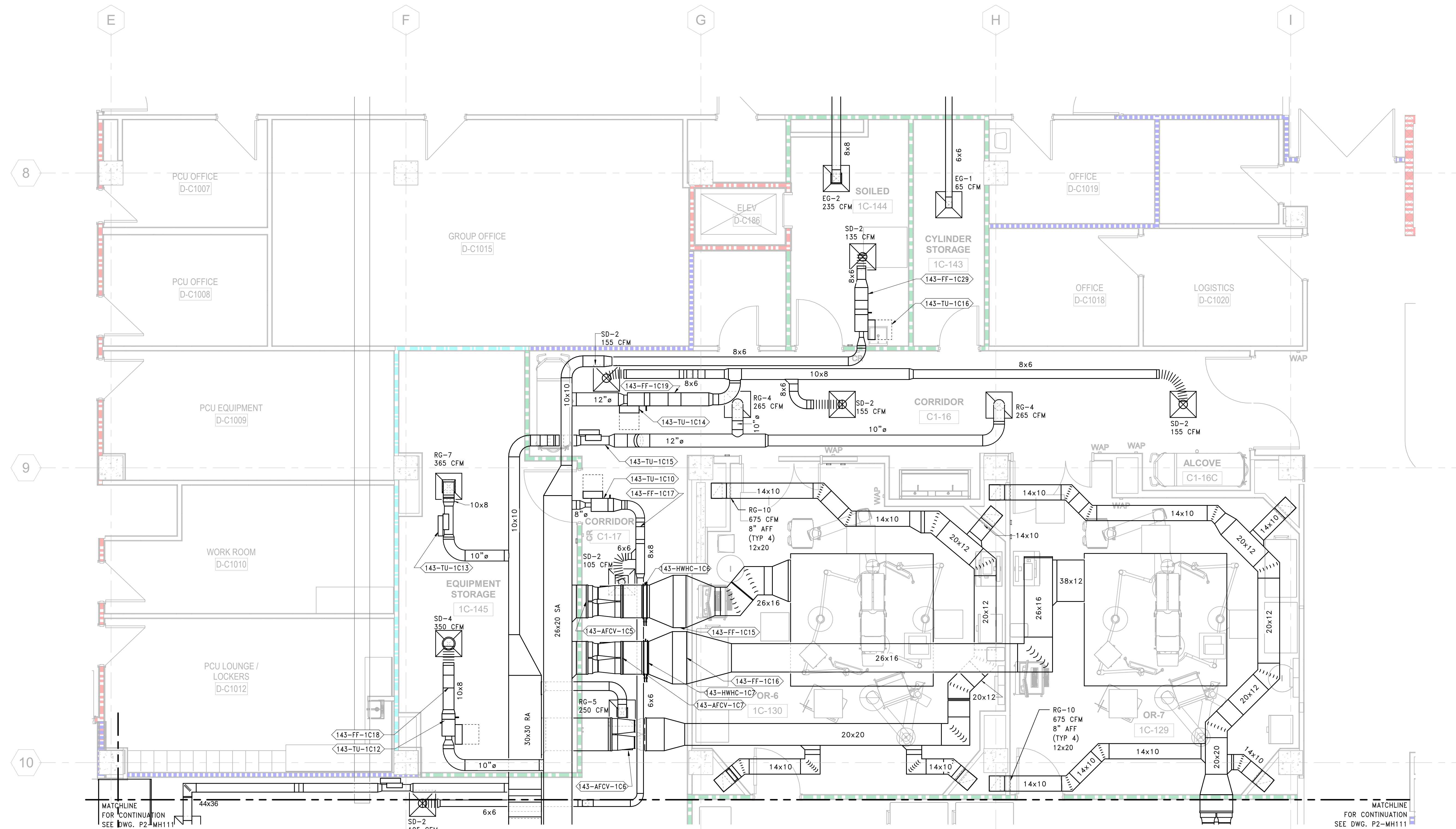
1 DUCTWORK PLAN - 1ST FLOOR, PHASE 2 (SOUTH)
SCALE: 1/4" = 1'-0"



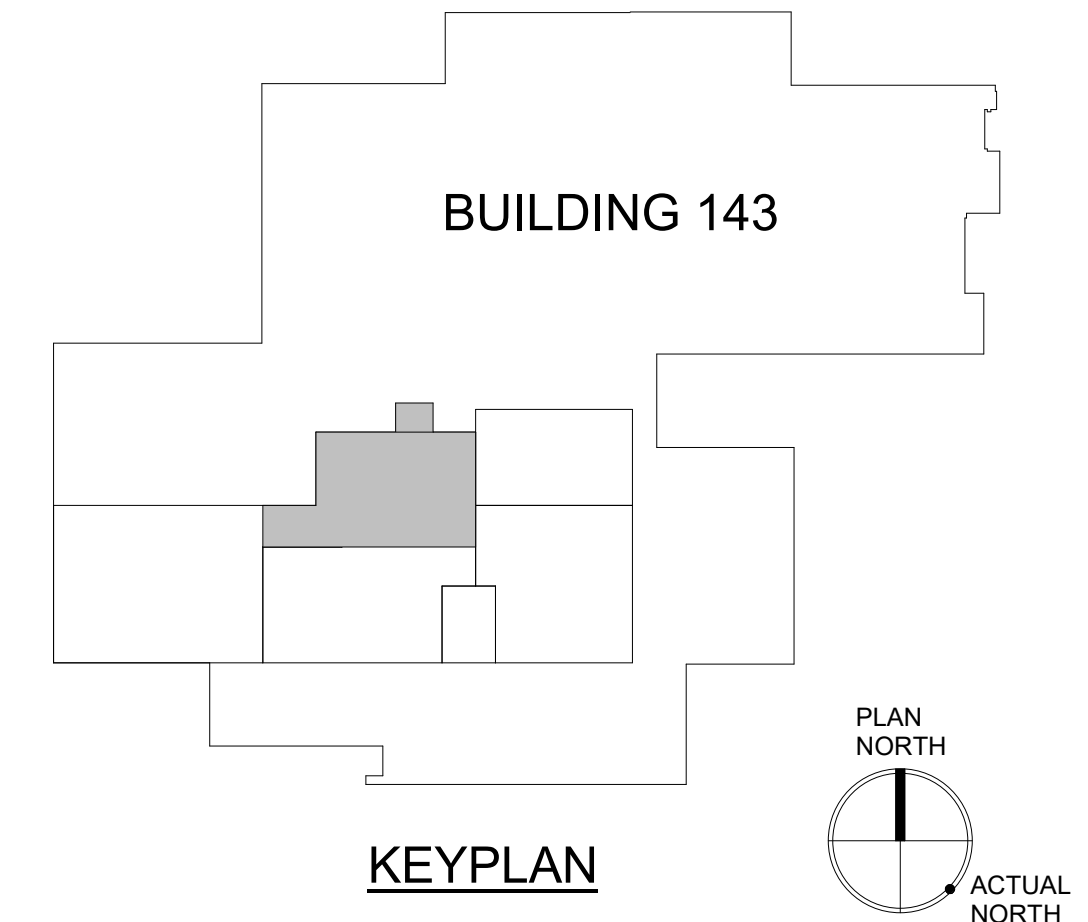
PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.		CONSULTANT Architecture: PF&A DESIGN, P.C. Civil Engineering: LABELLA ASSOCIATES Fire Protection: STANTON ENGINEERING SERVICES, LLC		ENGINEER OF RECORD MILLER-REMIK LLC PROFESSIONAL ENGINEER COMMONWEALTH OF VIRGINIA License No. 402055078 12-30-2025		Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title: MECHANICAL DUCTWORK PLAN 1ST FLOOR, PHASE 2 (SOUTH) Approved by: Jon Manninen, COR		Phase: BID DOCUMENTS FULLY SPRINKLERED		Project Title: RENOVATE SURGICAL SUITE PHASE II Project Number: 658-19-103 Location: SALEM VA MEDICAL CENTER Issue Date: 2025-12-30 Checked: CS Drawn: JLR		VA Drawing Number: 2617 Building Number: 143 Drawing Number: P2-MH111	
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GENERAL SHEET NOTES:

- REFER TO DRAWING M-001 FOR MECHANICAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS.



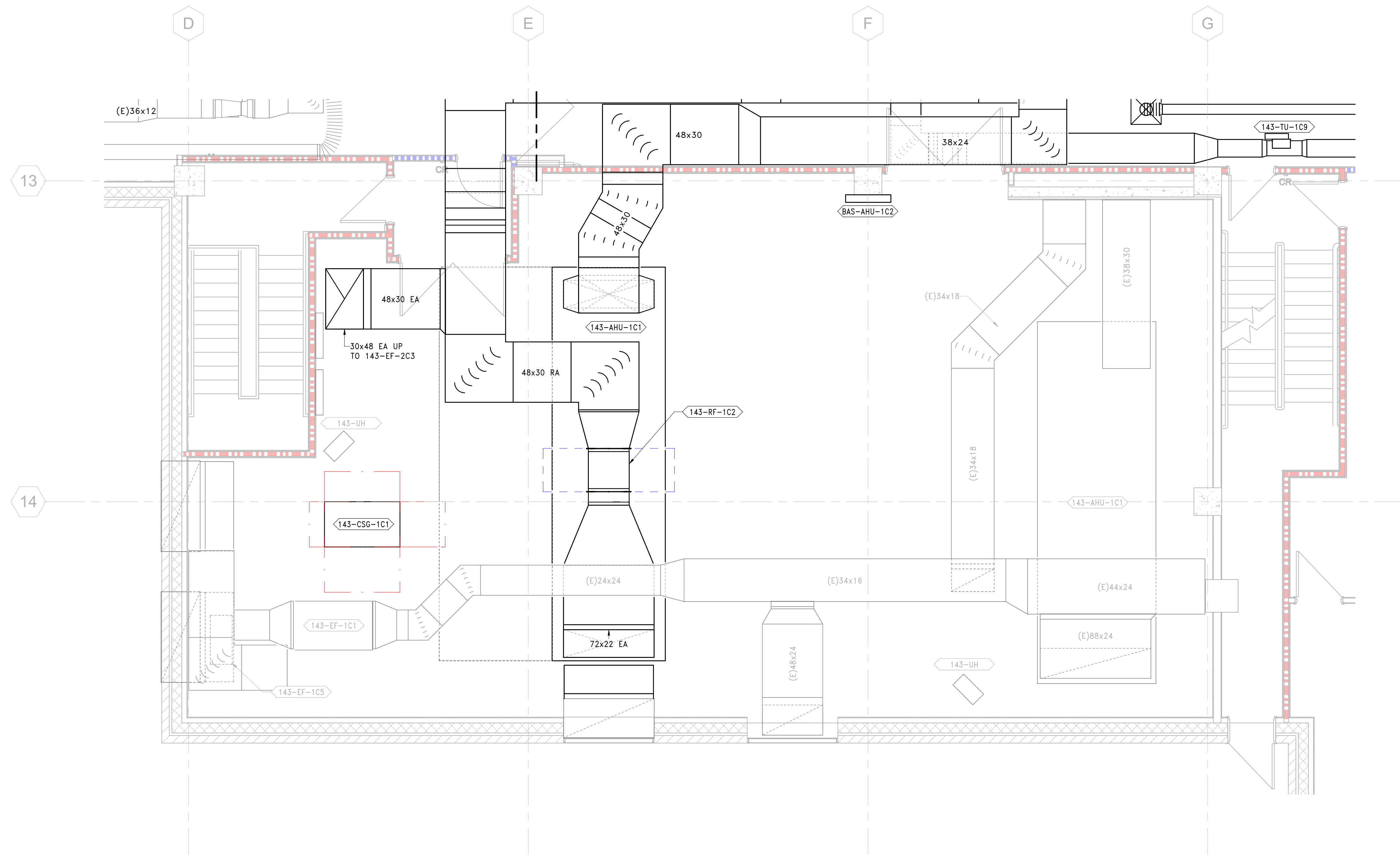
1 DUCTWORK PLAN - 1ST FLOOR, PHASE 2 (NORTH)
SCALE: 1/4" = 1'-0"



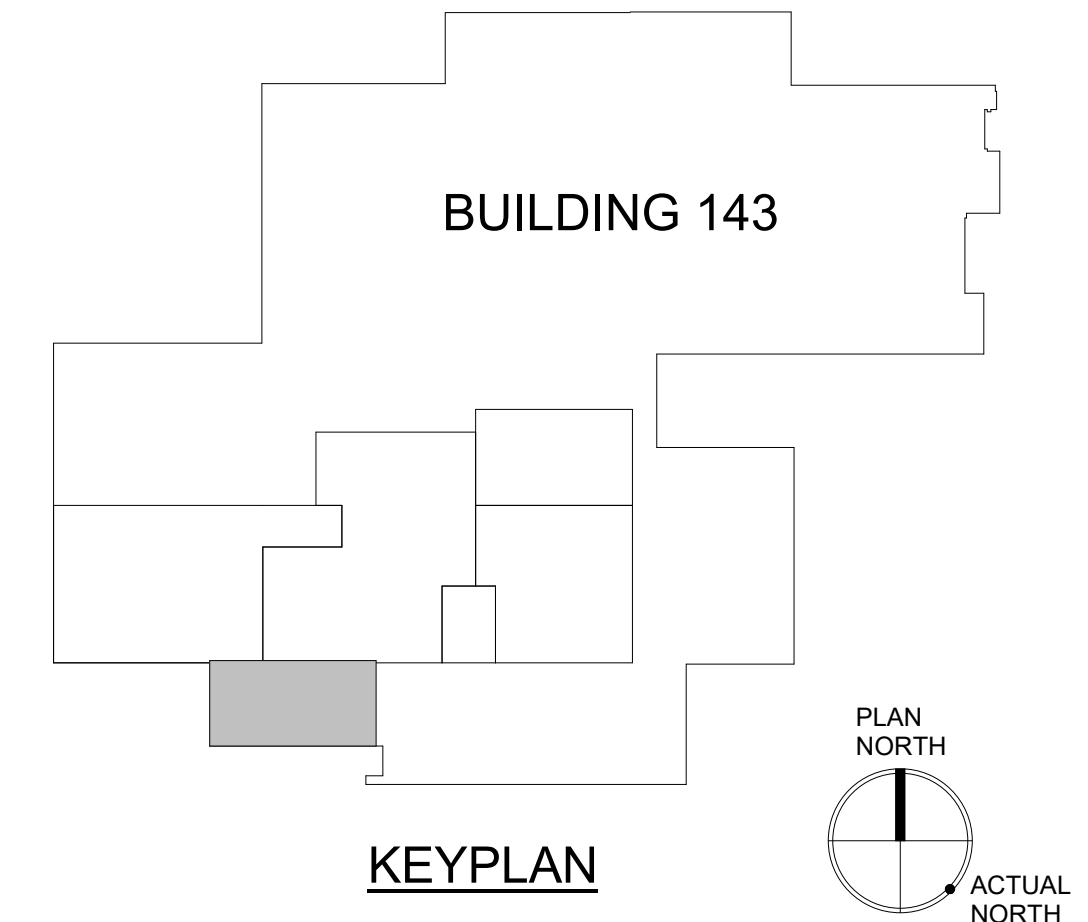
<p>PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER</p>			<p>CONSULTANT</p> <p>Architecture: PF&A DESIGN, P.C. Civil Engineering: LABELLA ASSOCIATES Fire Protection: STANTON ENGINEERING SERVICES, LLC</p>		<p>ENGINEER OF RECORD</p> <p>MILLER-REMICK LLC PROFESSIONAL ENGINEER</p> <p>MILLER-REMICK A Service Disabled Veteran-Owned Small Business (856) 429-4000 • Miller-Remick.com</p>		<p>Office of Construction and Facilities Management U.S. Department of Veterans Affairs</p>		<p>Drawing Title MECHANICAL DUCTWORK PLAN 1ST FLOOR, PHASE 2 (NORTH)</p> <p>Approved by: Jon Manninen, COR</p>		<p>Phase BID DOCUMENTS</p> <p>FULLY SPRINKLERED</p>		<p>Project Title RENOVATE SURGICAL SUITE PHASE II</p> <p>Project Number: 658-19-103</p>		<p>VA Drawing Number 2617</p> <p>Building Number 143</p> <p>Drawing Number P2-MH112</p>	
<p>Revisions:</p>			<p>Date:</p>		<p>2/28/2025 4:45 PM</p>		<p>2/28/2025</p>		<p>2025-12-30</p>		<p>CS</p>		<p>SP</p>			

GENERAL SHEET NOTES:

- REFER TO DRAWING M-001 FOR MECHANICAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS.



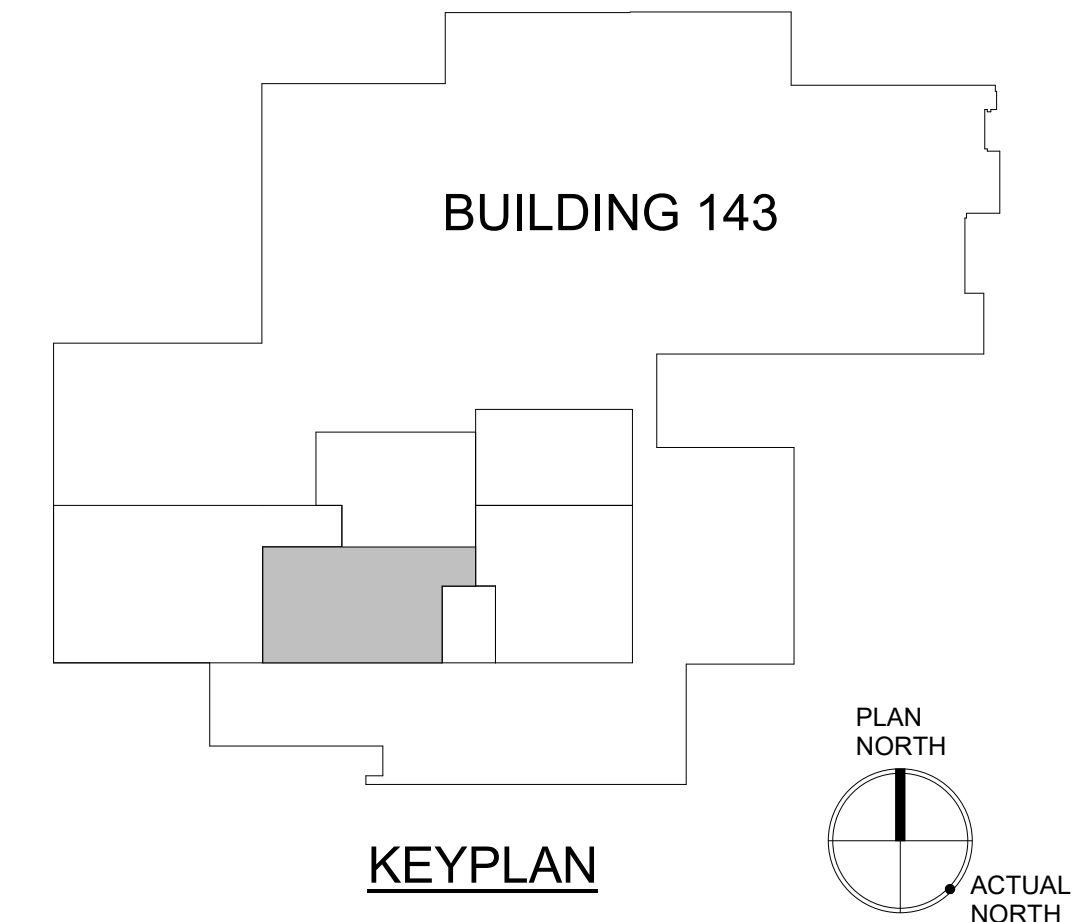
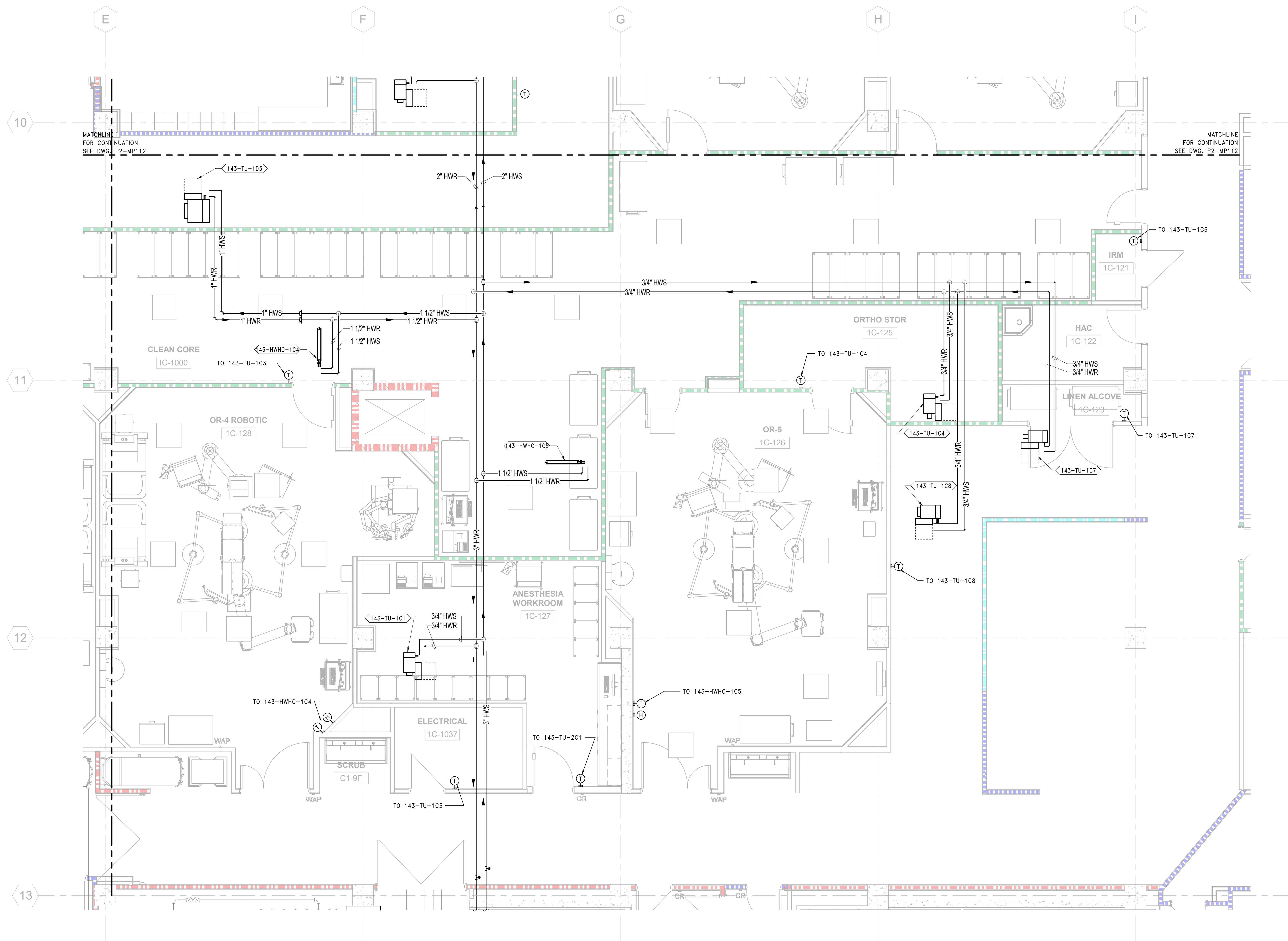
1 DUCTWORK PLAN - MECHANICAL ROOM, PHASE 2
SCALE: 1/4" = 1'-0"



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER. 2/29/2025 4:48:55 PM	CONSULTANT Architecture: PF&A DESIGN, P.C. Civil Engineering: LABELLA ASSOCIATES Fire Protection: STANTON ENGINEERING SERVICES, LLC			ENGINEER OF RECORD MILLER-REMICK LLC PROFESSIONAL ENGINEER A Service Disabled Veteran-Owned Small Business (856) 429-4000 • Miller-Remick.com		MILLER-REMICK LLC PROFESSIONAL ENGINEER Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title MECHANICAL DUCTWORK PLAN MECHANICAL ROOM, PHASE 2 Approved by: Jon Manninen, COR		Phase BID DOCUMENTS		Project Title RENOVATE SURGICAL SUITE PHASE II Project Number 658-19-103		VA Drawing Number 2617 Building Number 143	
	Revisions: Date:								Fully Sprinklered		Location SALEM VA MEDICAL CENTER Issue Date 2025-12-30 Checked CS Drawn SP		Drawing Number P2-MH113		

GENERAL SHEET NOTES:

1. REFER TO DRAWING M-001 FOR MECHANICAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS.

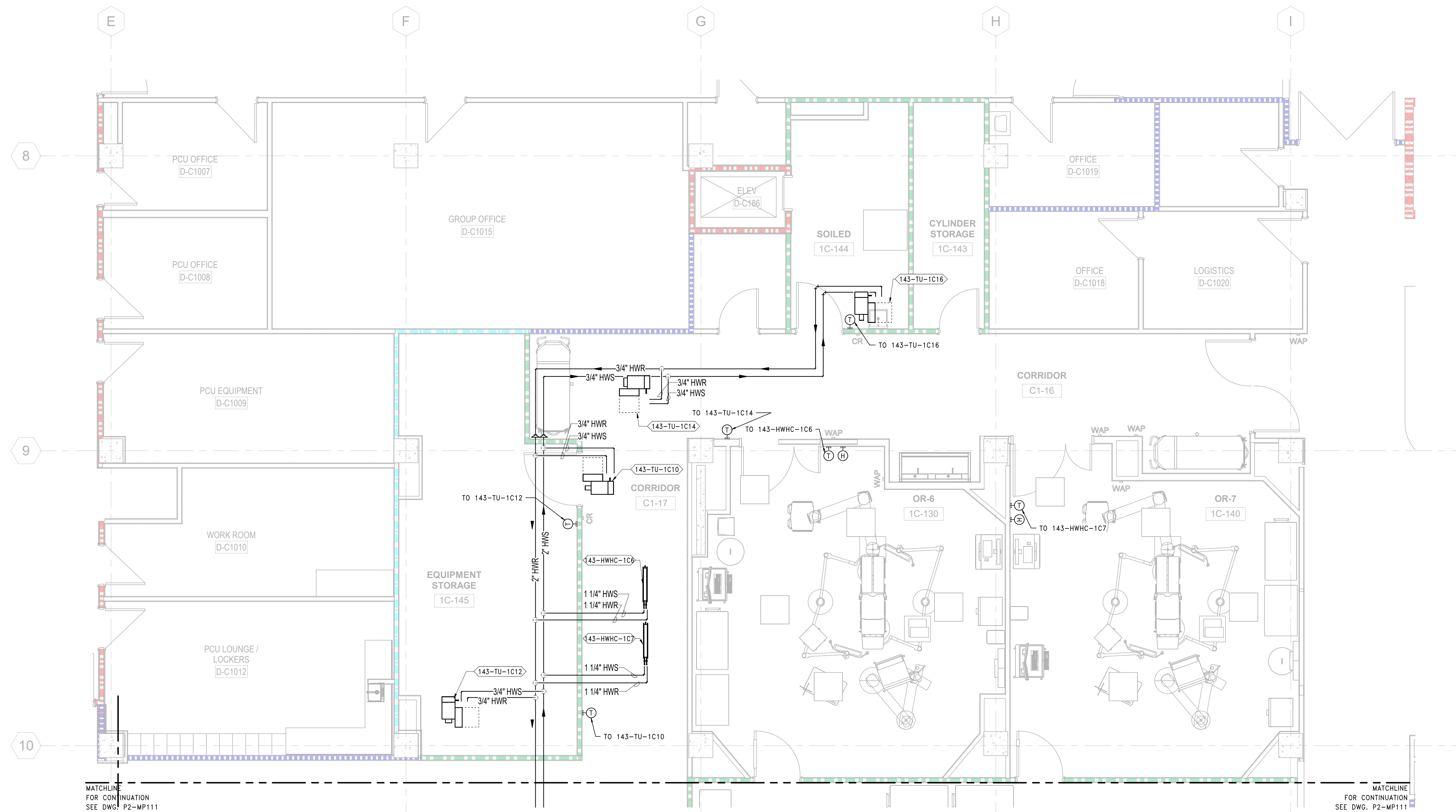


1 PIPING PLAN - 1ST FLOOR, PHASE 2 (SOUTH)
SCALE: 1/4" = 1'-0"

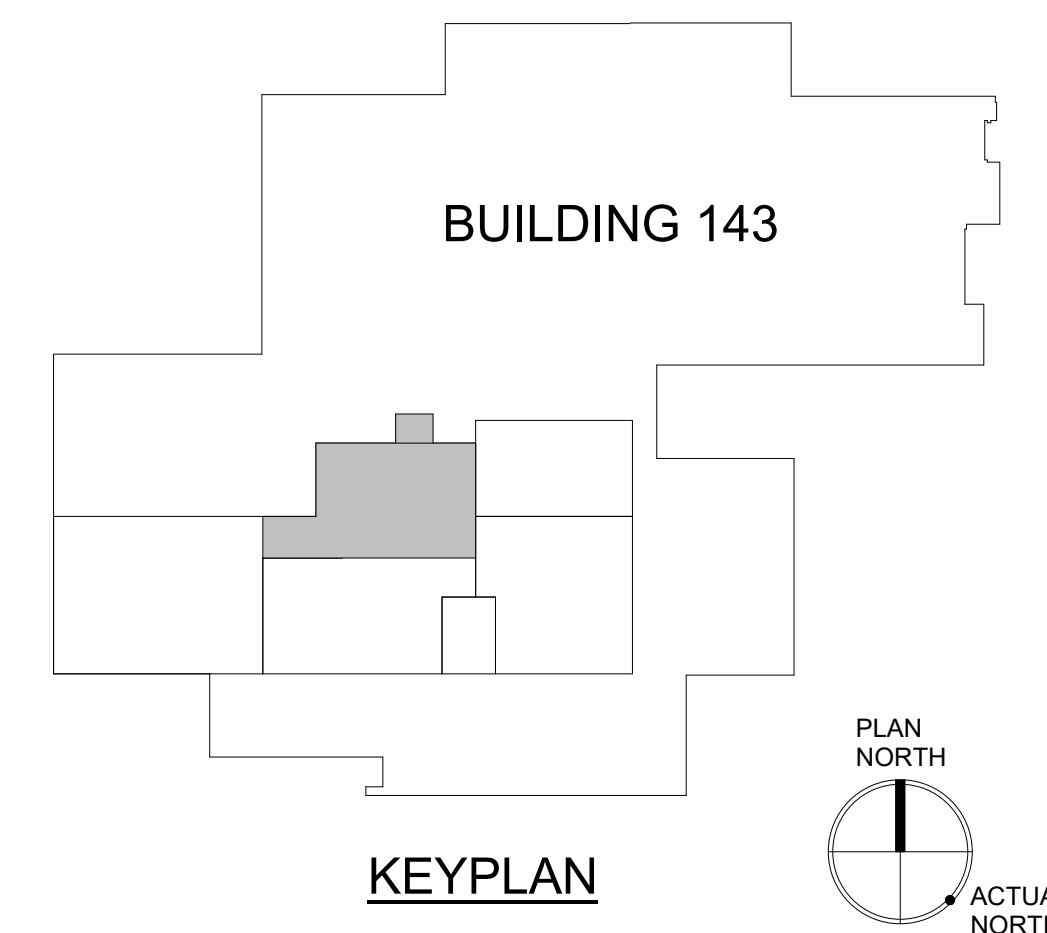
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GENERAL SHEET NOTES:

- REFER TO DRAWING M-001 FOR MECHANICAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS.



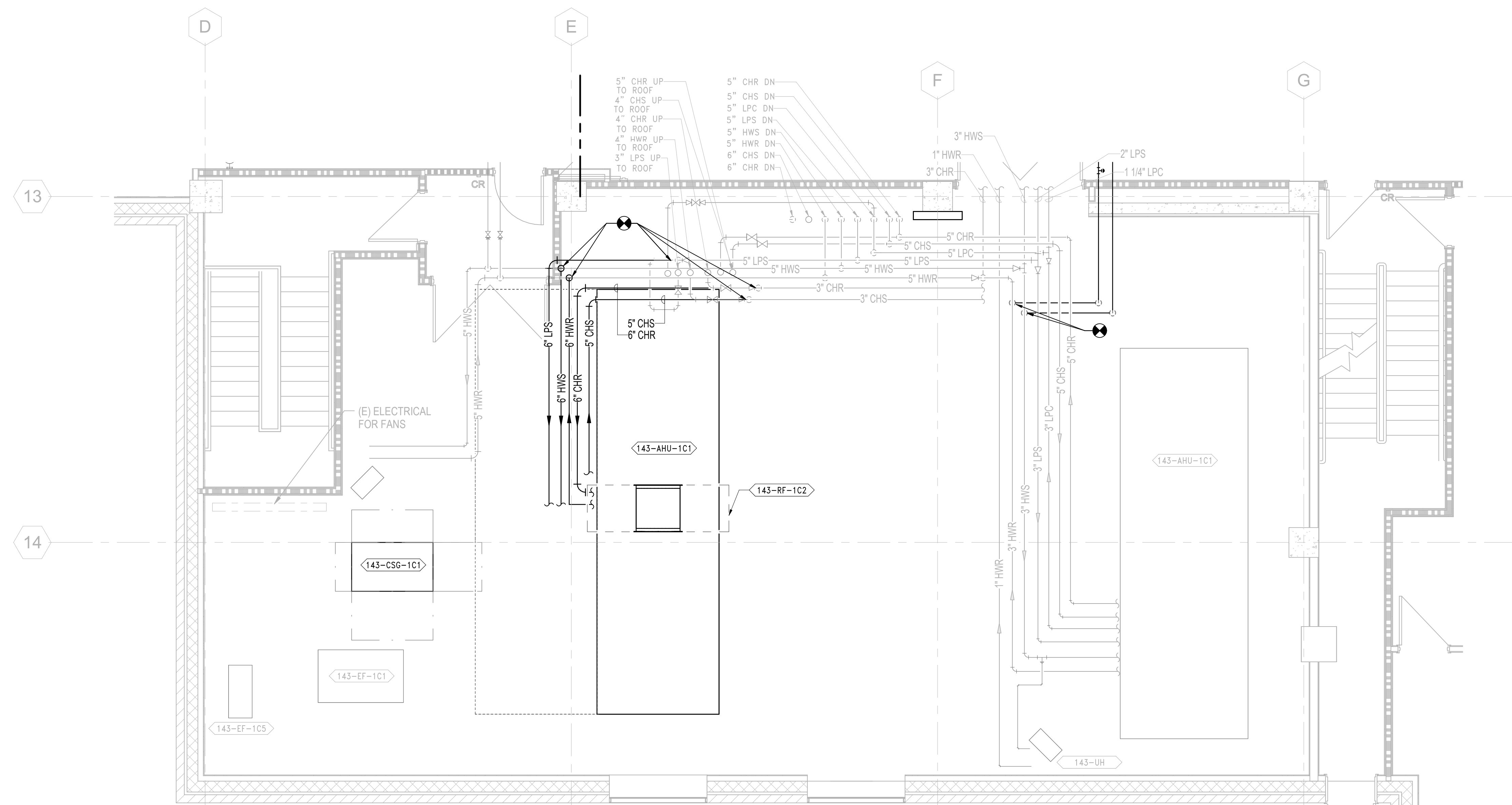
1 PIPING PLAN - 1ST FLOOR, PHASE 2 (NORTH)
SCALE: 1/4" = 1'-0"



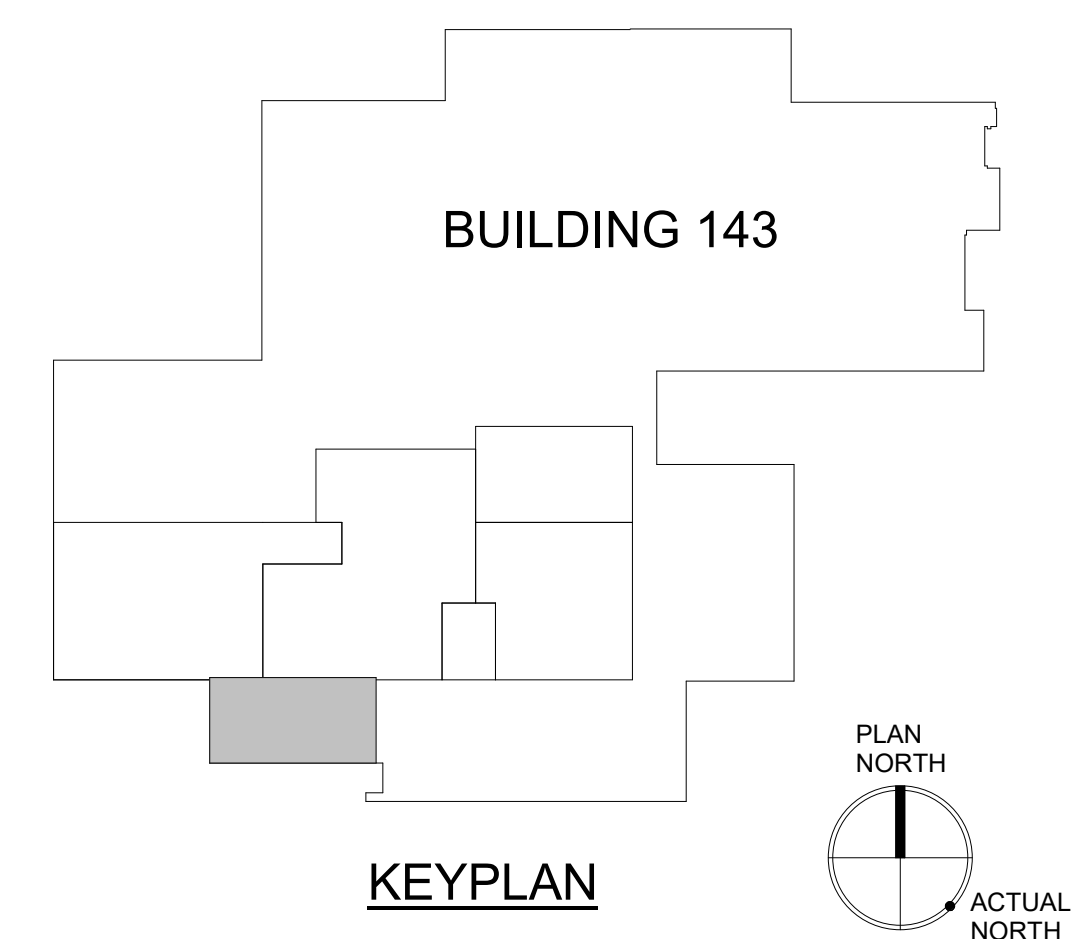
<p>PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER</p>			<p>CONSULTANT</p> <p>Architecture: PF&A DESIGN, P.C. Civil Engineering: LABELLA ASSOCIATES Fire Protection: STANTON ENGINEERING SERVICES, LLC</p>		<p>ENGINEER OF RECORD</p> <p>MILLER-REMICK LLC PROFESSIONAL ENGINEER</p>  <p>A Service-Disabled Veteran-Owned Small Business (856) 429-4000 • Miller-Remick.com</p>		<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>		<p>Drawing Title MECHANICAL PIPING PLAN 1ST FLOOR, PHASE 2 (NORTH)</p> <p>Approved by: Jon Manninen, COR</p>		<p>Phase BID DOCUMENTS</p> <p>FULLY SPRINKLERED</p>		<p>Project Title RENOVATE SURGICAL SUITE PHASE II</p> <p>Project Number 658-19-103</p> <p>Location SALEM VA MEDICAL CENTER</p> <p>Issue Date 2025-12-30 Checked JAK Drawn JLR</p>		<p>VA Drawing Number 2617</p> <p>Building Number 143</p> <p>Drawing Number P2-MP112</p>	
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GENERAL SHEET NOTES:

1. REFER TO DRAWING M-001 FOR MECHANICAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS.



1 PIPING PLAN - MECHANICAL ROOM, PHASE 2
SCALE: 1/4" = 1'-0"



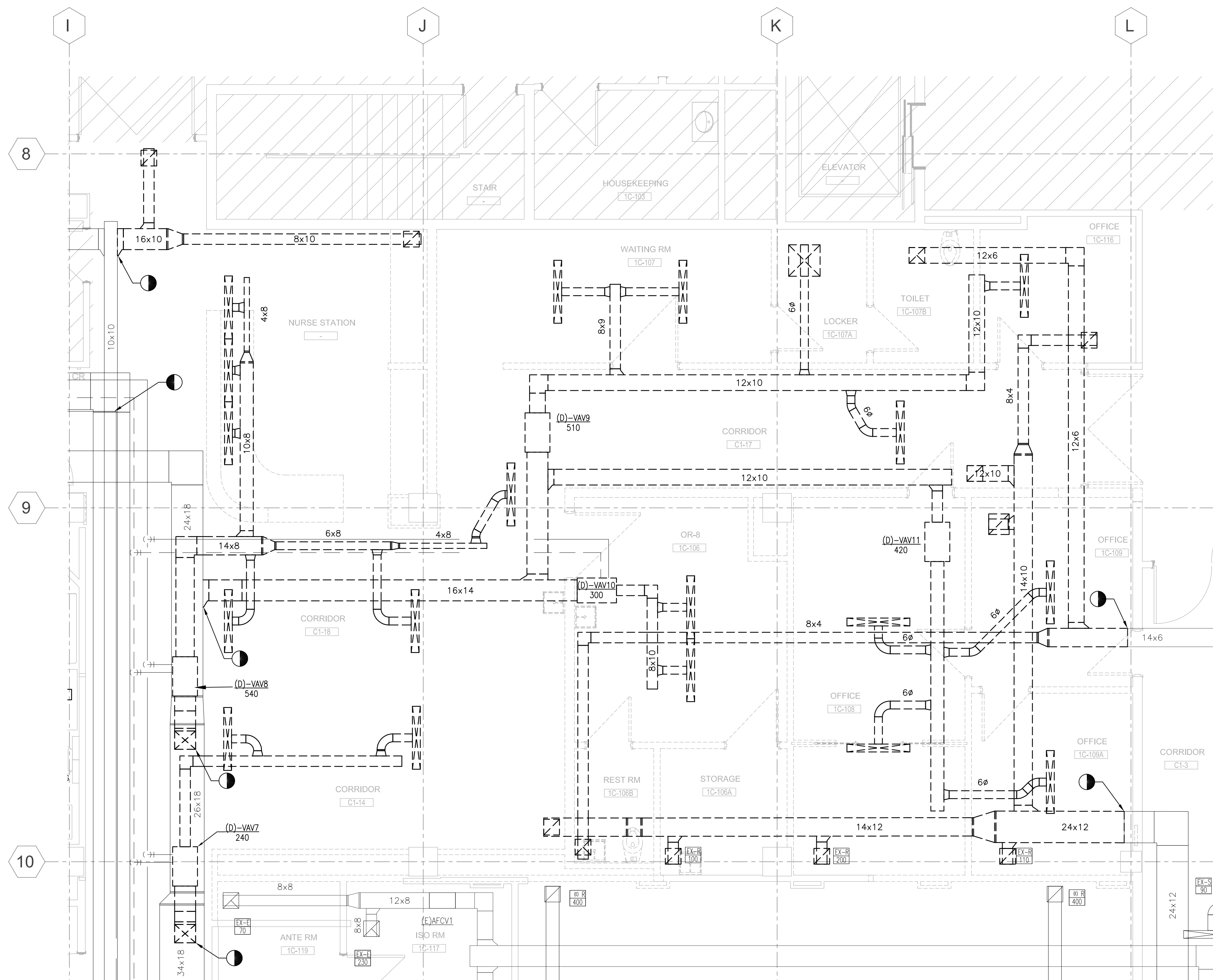
PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER. 2/29/2025 3:03:19 PM	CONSULTANT Architecture: PF&A DESIGN, P.C. Civil Engineering: LABELLA ASSOCIATES Fire Protection: STANTON ENGINEERING SERVICES, LLC			ENGINEER OF RECORD MILLER-REMICK LLC PROFESSIONAL ENGINEER A Service Disabled Veteran-Owned Small Business (856) 429-4000 • Miller-Remick.com		MILLER-REMICK LLC PROFESSIONAL ENGINEER Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title MECHANICAL PIPING PLAN MECHANICAL ROOM, PHASE 2 Approved by: Jon Manninen, COR		Phase BID DOCUMENTS FULLY SPRINKLERED		Project Title RENOVATE SURGICAL SUITE PHASE II Project Number 658-19-103 Location SALEM VA MEDICAL CENTER Issue Date 2025-12-30 Checked JAK Drawn JLR		VA Drawing Number 2617 Building Number 143 Drawing Number P2-MP113	
	Revisions: Date:														

GENERAL SHEET NOTES:

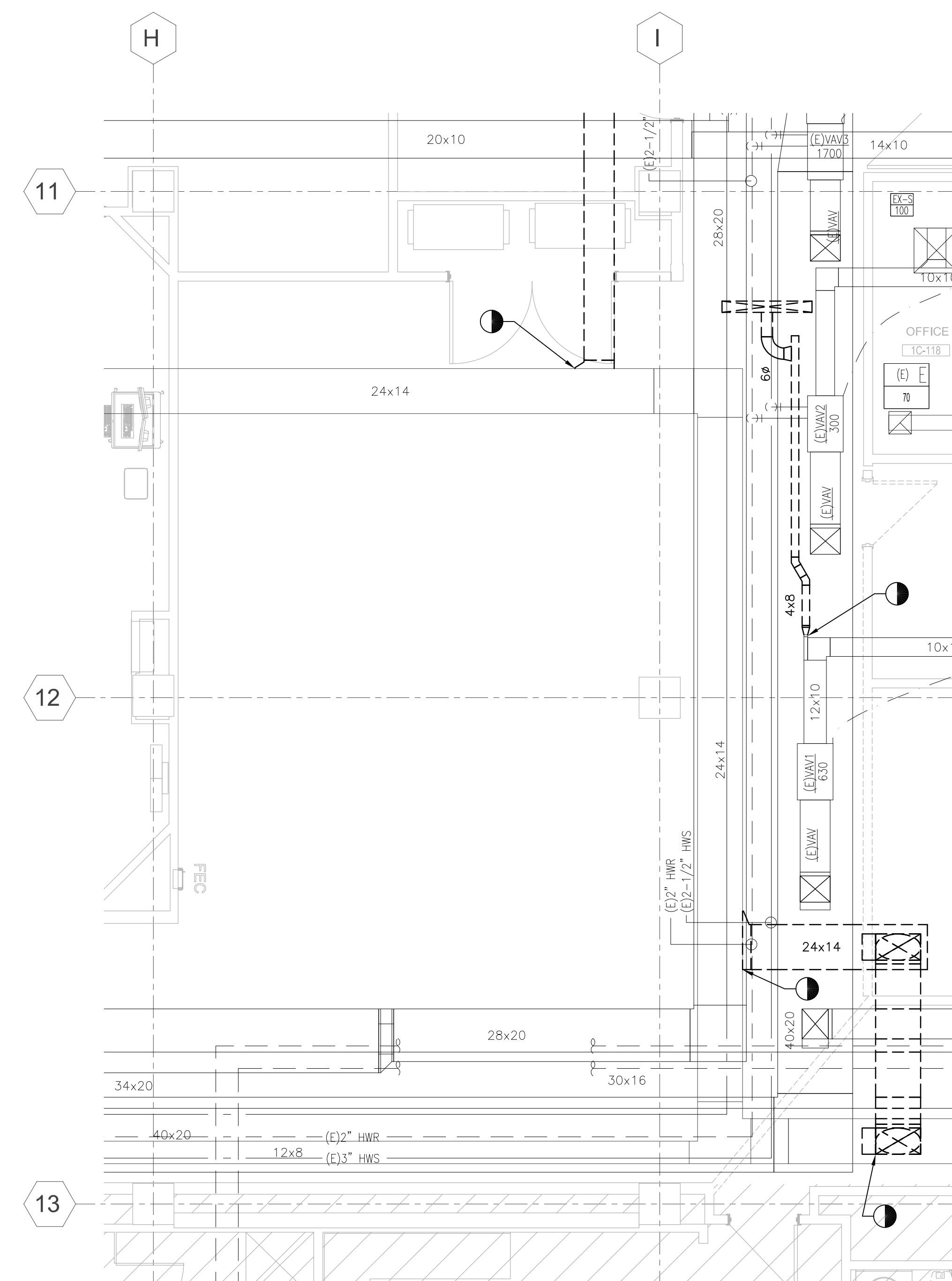
1. THE CONTRACTOR MAY BE REQUIRED TO WORK ACROSS THE CONSTRUCTION BOUNDARY LINE TO COMPLETE NEW WORK OR TERMINATE EXISTING. THE CONTRACTOR IS REQUIRED TO ADHERE TO ALL ICRA REQUIREMENTS.
2. PATCH OPENINGS CREATED IN REMAINING DUCTWORK THAT WERE CREATED BY DEMOLITION OF BRANCH DUCTWORK.

SHEET KEYNOTES:

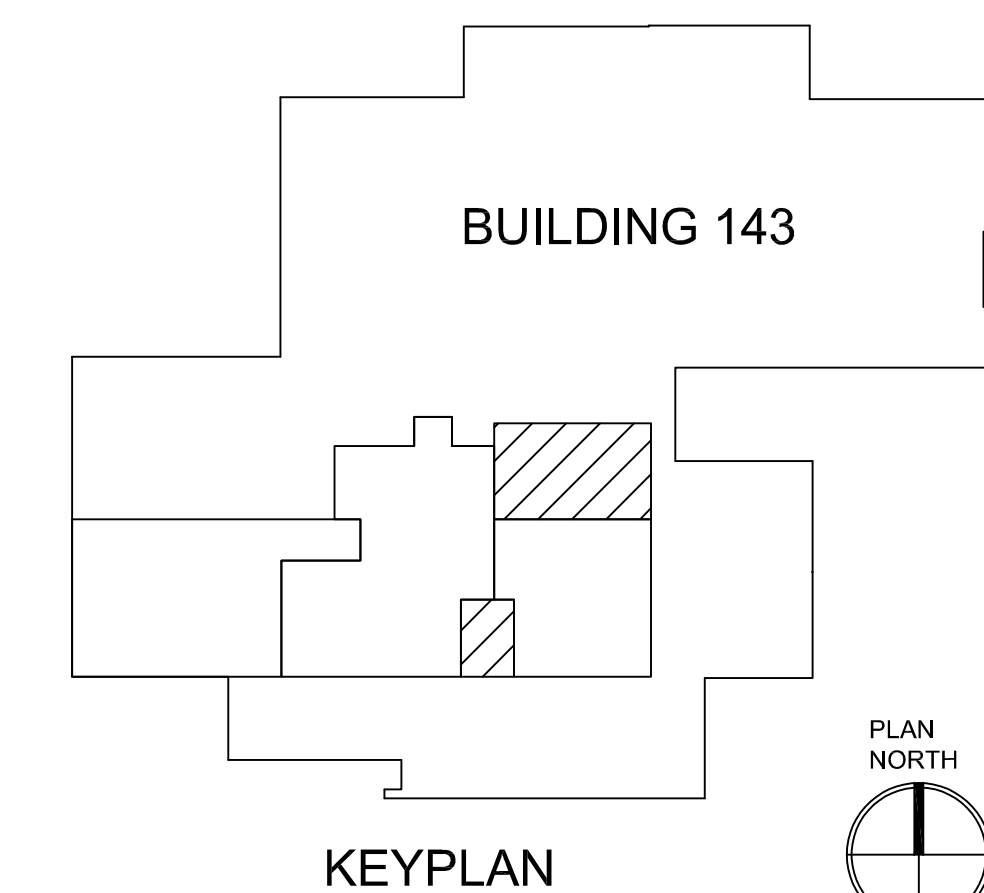
1. DEMOLISH EXISTING DUCT WORK, TERMINAL UNITS, CONTROLS, CONTROL WIRING, HANGERS, REGISTERS, GRILLES AND ALL APPURTENANCES.



1 MECHANICAL DEMOLITION DUCTWORK PLAN – 1ST FLOOR, PHASE 3, NORTH
SCALE: 1/4" = 1'-0"



2 MECHANICAL DEMOLITION DUCTWORK PLAN – 1ST FLOOR, PHASE 3, SOUTH
SCALE: 1/4" = 1'-0"



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NO.	DESCRIPTION	DATE

CONSULTANTS

Architecture: PF&A DESIGN, P.C.	Civil Engineering: LABELLA ASSOCIATES	Fire & Life Safety: STANTON ENGINEERING SERVICES, LLC
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ENGINEER OF RECORD



MILLER-REMICK LLC
PROFESSIONAL ENGINEER



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title MECHANICAL DEMOLITION DUCTWORK PLAN 1ST FLOOR, PHASE 3
Approved by: Jon Manninen, COR

Phase BID DOCUMENTS
FULLY SPRINKLERED

Project Title RENOVATE SURGICAL SUITE PHASE II
Project Number 658-19-103
Location SALEM VA MEDICAL CENTER
Issue Date 2025-12-30
Checked BH
Drawn PNL

VA Drawing Number 2617
Building Number 143
Drawing Number P3-MD111

