

MECHANICAL ABBREVIATIONS

Table with 3 columns: Abbreviation, Description, and Unit. Includes entries like AD AREA DRAIN, A.F.F. ABOVE FINISHED FLOOR, AFMS AIR FLOW MEASURING STATION, etc.

PLUMBING

Table of plumbing symbols and descriptions. Includes AV ACID VENT BELOW GRADE, AW ACID WASTE ABOVE GRADE, DI DEIONIZED WATER, etc.

MECHANICAL PIPING

Table of mechanical piping symbols and descriptions. Includes BF BOILER FEED, CWS CHILLED WATER SUPPLY, CWR CHILLED WATER RETURN, etc.

MECHANICAL SYMBOLS LEGEND

Visual legend for mechanical symbols. Includes categories: PLUMBING / PIPING, DUCTWORK, and CONTROLS. Shows graphical symbols for various components like elbows, valves, dampers, and sensors.

ANNOTATION

Table of annotation symbols and their uses. Includes symbols for quantity, active element length, electric baseboard radiation, and medical gas.

PROCESS AND LABORATORY

Table of process and laboratory symbols. Includes LA LABORATORY AIR, LV LABORATORY VACUUM, CDA CLEAN DRY AIR, etc.

FIRE PROTECTION

Table of fire protection symbols. Includes F FIRE PROTECTION, DFP FIRE PROTECTION (DRY SYSTEM), FIDVC RECESSED FIRE DEPT CABINET, etc.

MECHANICAL SHEET LIST

Table listing mechanical sheets. Columns: SHEET NUMBER, SHEET NAME. Includes sheets like M000 MECHANICAL TITLE SHEET, MH002 FOUNDATION/TUNNEL HVAC PLAN - AREA B, etc.

Scale bar text: three inches = one foot, one and one half inches = one foot, one inch = one foot, three quarters inch = one foot, one eighth inch = one foot.

CONSULTANTS

Logos and contact information for architectural, structural, MEP, and civil consultants: BWR, ERA, Dunham Associates, Inc., EVS, Confluence.

ARCHITECT OF RECORD

Logo and contact information for the Architect of Record: Stone Group Architects, 600 E 7th Street, Sioux Falls, SD 57103.

Professional Engineer stamp for Jason R. Gottwalt, License No. 14944, State of South Dakota.

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

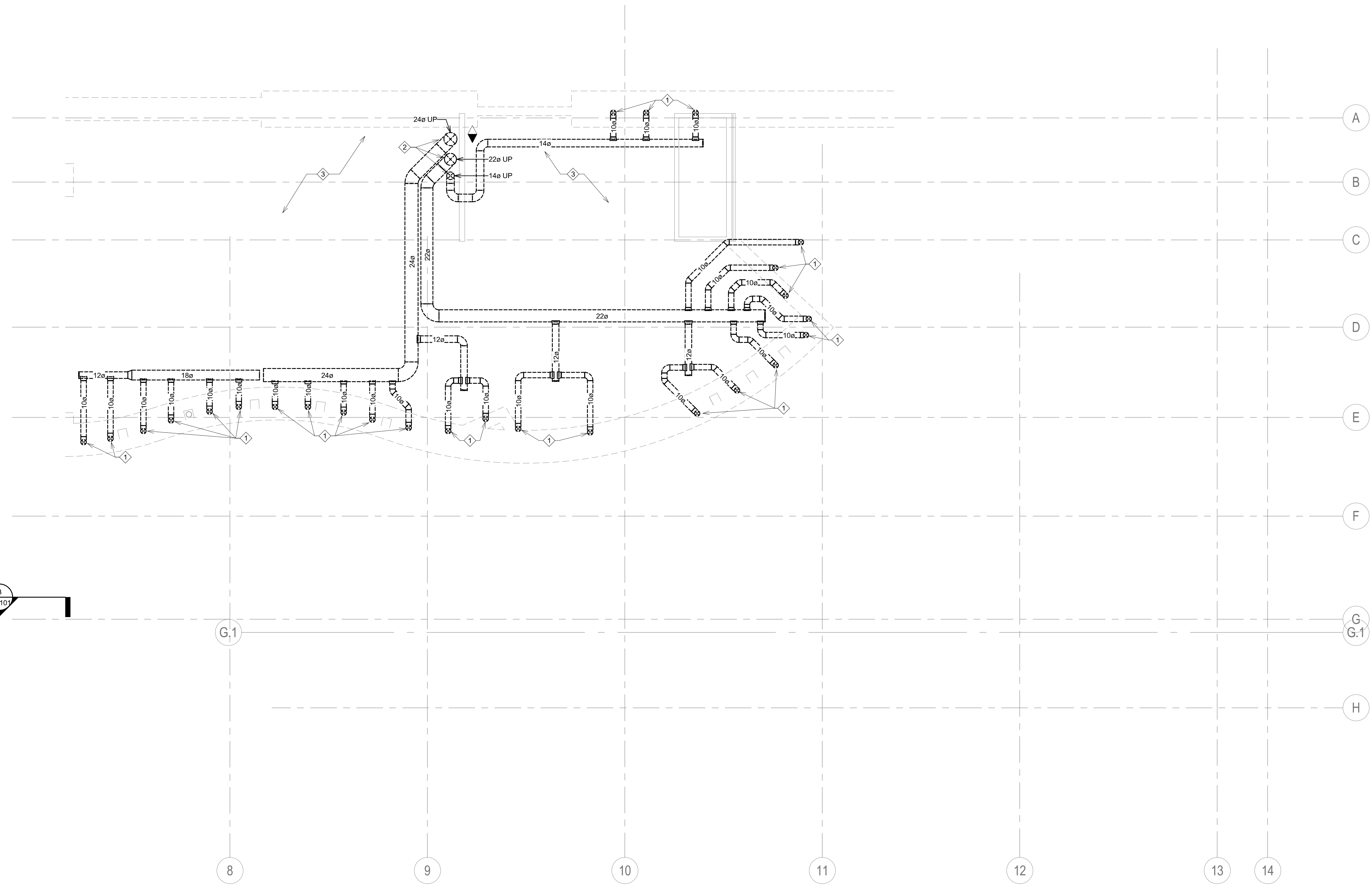
Drawing Title: MECHANICAL TITLE SHEET. Includes Approved field and Signature of Jason R. Gottwalt.

Phase: CONSTRUCTION DOCUMENTS. Includes Issue Date (06/22/2022), Checked (JRG), and Drawn (TNH).

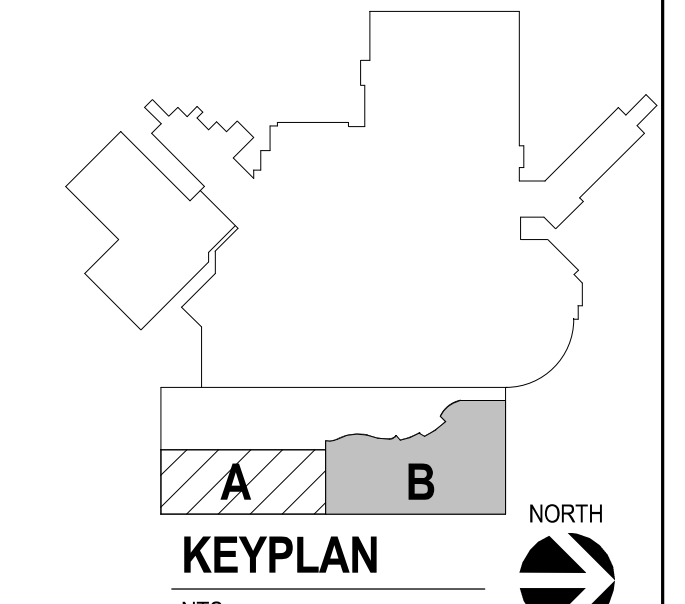
Project Title: NEW FRONT LOBBY AND PRIMARY CARE ADDITION. Includes Project Number (VA #438-480 SGA #201909) and Drawing Number (M000).

- GENERAL NOTES:**
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- KEY NOTES:**
- ◇ DEMOLISH 10" ROUND UNDERGROUND SUPPLY DUCT UP THROUGH SLAB AND ASSOCIATED DUCTWORK BACK TO POINT(S) OF DISCONNECT. REFER TO HVAC PLANS FOR NEW UNDERGROUND HOPE DUCTWORK TO BE INSTALLED IN THIS AREA.
 - ◇ DEMOLISH 24" ROUND, 22" ROUND AND 14" ROUND UP THROUGH CHASE. FOR FURTHER DEMOLITION REFER TO SHEET MD-101.
 - ◇ REFER TO PD-001 FOR UNDERGROUND PLUMBING IN THIS GENERAL AREA TO REMAIN. CONTRACTOR TO EXCAVATE WITH CAUTION TO AVOID DAMAGING ANY SERVICES TO REMAIN.



1 FOUNDATION/TUNNEL DEMOLITION PLAN - AREA B
1/8" = 1'-0"

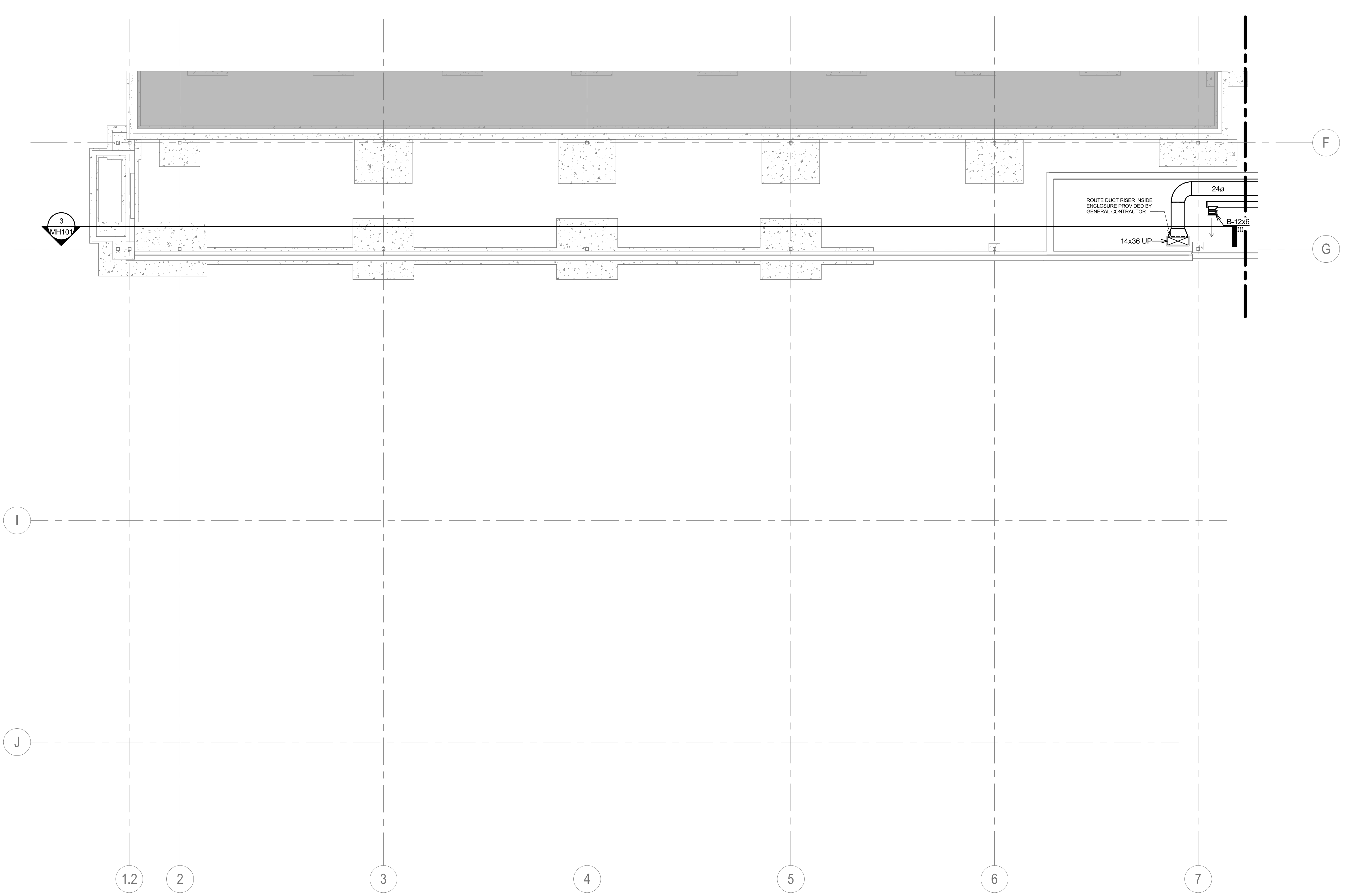


CONSULTANTS ARCHITECTURAL: B W B R STRUCTURAL: ERA MEP: DUNHAM CIVIL: EVS LANDSCAPE: CONFLUENCE		ARCHITECT OF RECORD A E Stone Group Architects 600 E 7th Street Sioux Falls, SD 57103 605-271-1144		STAMP REGISTERED PROFESSIONAL ENGINEER 14844 JASON R. GOTTWALT SOUTH DAKOTA		Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title: FOUNDATION/TUNNEL DEMOLITION HVAC PLAN - AREA B Approved:		Phase: CONSTRUCTION DOCUMENTS		Project Title: NEW FRONT LOBBY AND PRIMARY CARE ADDITION Location: SIOUX FALLS, SOUTH DAKOTA		Project Number: VA #438-480 SGA #201909 Building Number: 5 Drawing Number: MHD002	
Revision# Description Date:		ARCHITECT OF RECORD A E Stone Group Architects 600 E 7th Street Sioux Falls, SD 57103 605-271-1144		STAMP REGISTERED PROFESSIONAL ENGINEER 14844 JASON R. GOTTWALT SOUTH DAKOTA		Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title: FOUNDATION/TUNNEL DEMOLITION HVAC PLAN - AREA B Approved:		Phase: CONSTRUCTION DOCUMENTS		Project Title: NEW FRONT LOBBY AND PRIMARY CARE ADDITION Location: SIOUX FALLS, SOUTH DAKOTA		Project Number: VA #438-480 SGA #201909 Building Number: 5 Drawing Number: MHD002	

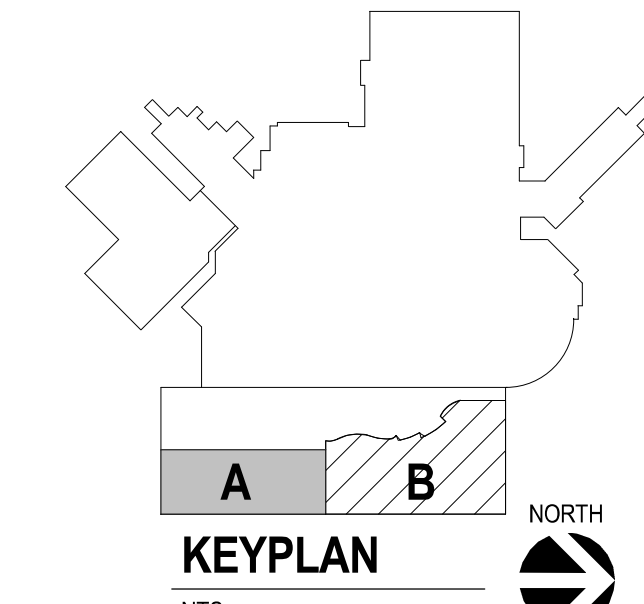
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① FOUNDATION/TUNNEL HVAC PLAN - AREA A
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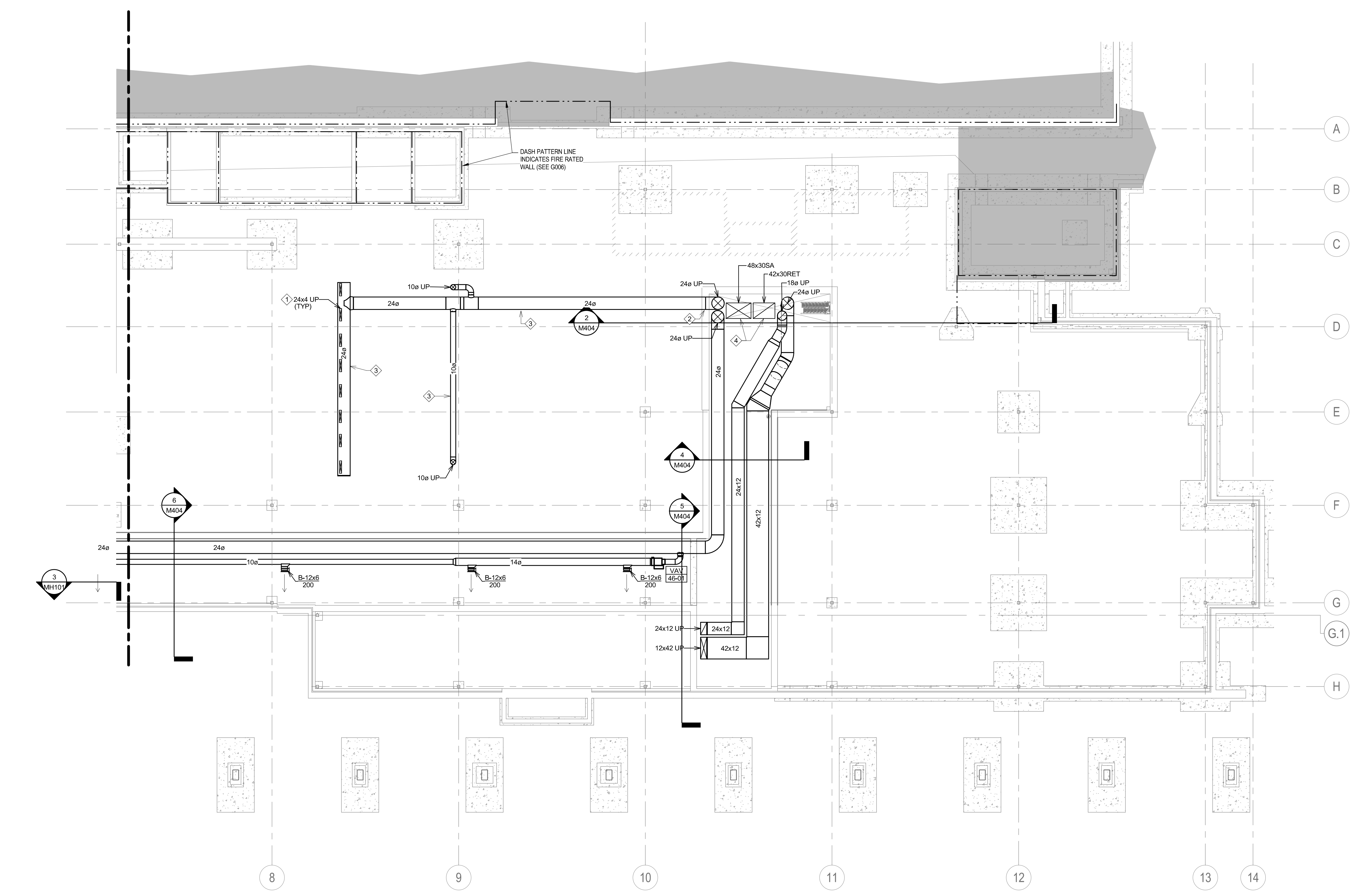
CONSULTANTS ARCHITECTURAL: BWB STRUCTURAL: ERA MEP: DUNHAM CIVIL: EVS LANDSCAPE: CONFLUENCE BWBR: 380 St. Peter St, Suite 600, St. Paul, MN 55102, Phone: 651-223-3701 ERA: Erickson Road Associates, 2250 University Ave W, Suite 423-S, St. Paul, MN 55402, Phone: 651-251-1770 DUNHAM: Dunham Associates, Inc., 50 South Sixth St, Suite 1100, Minneapolis, MN 55402, Phone: 612-685-7550 EVS: 10025 Valley View Rd, Suite 140, Eden Prairie, MN 55344, Phone: 952-646-0239 CONFLUENCE: 524 N Main Ave, Suite 201, Sioux Falls, SD 57104, Phone: 605-339-1205		ARCHITECT OF RECORD A/E: Stone Group Architects 600 E 7th Street Sioux Falls, SD 57103 605-271-1144 		STAMP Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title FOUNDATION/TUNNEL HVAC PLAN - AREA A Approved: _____		Phase CONSTRUCTION DOCUMENTS		Project Title NEW FRONT LOBBY AND PRIMARY CARE ADDITION		Project Number VA #438-480 SGA #201909 Building Number 5	
Revision# Description Date:													
Location SIoux FALLS, SOUTH DAKOTA		Issue Date 06/22/2022		Checked JRG		Drawn TNH		Drawing Number MH001					

GENERAL NOTES:

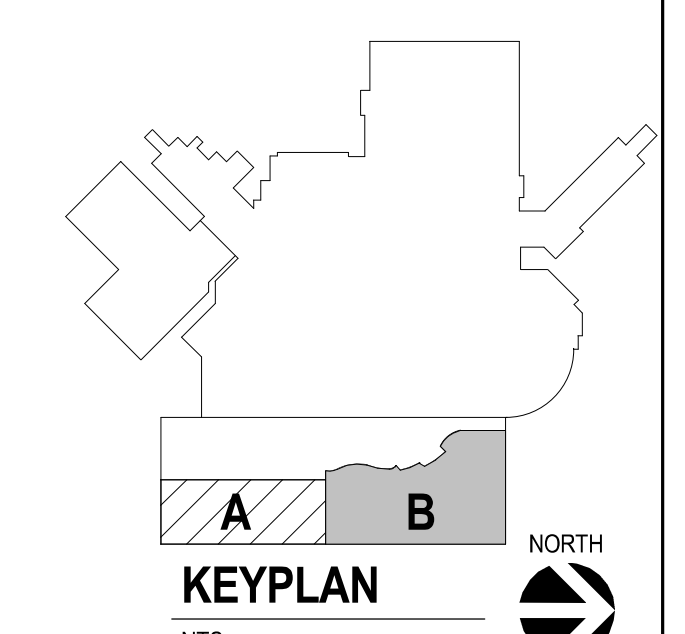
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KEY NOTES:

- 1 REFER TO DETAIL 11/M401 FOR SIDE SADDLE BOOT DUCT TRANSITION BETWEEN UNDERGROUND HOPE DUCT AND CONNECTION POINT TO DISPLACEMENT DIFFUSERS.
- 2 TRANSITION DUCTWORK IN TUNNEL TO HOPE UNDERGROUND DUCTWORK OUTSIDE OF TUNNEL. INCLUDE LINK SEAL AT TUNNEL WALL FOR WATERPROOF PENETRATION. ALL UNDERGROUND DUCT PAST THIS PENETRATION SHALL PITCH BACK TO THIS POINT AT A MINIMUM OF 1/8" PER FOOT TO A 1-1/2" COPPER DRAIN BULKHEAD INTO BOTTOM OF DUCT WITH BALL VALVE ROUTED TO NEAREST FLOOR DRAIN FOR FLUSHING OF UNDERGROUND DUCT.
- 3 NOTE THAT ALL UNDERGROUND DUCTWORK TO HAVE DRAIN TILE INSTALLED BENEATH. REFER TO SPECIFICATION AND DETAIL 9/M401 FOR TRENCHING AND BACKFILL REQUIREMENTS.
- 4 EXTEND SUPPLY AND RETURN MAINS FROM AHU 5-47 TO BASE OF SHAFT. MECHANICAL CONTRACTOR MAY REQUEST A 3D ISOMETRIC DRAWING FROM DESIGN TEAM THAT SHOWS HOW DUCTWORK IS INTENDED TO TRANSITION OUT OF SHAFT AND ROUTE ALONG WALL OF TUNNEL TO SERVICE FUTURE PRIMARY CARE BUILDING IN UPCOMING PHASE OF CONSTRUCTION (NIC).



1 FOUNDATION/TUNNEL HVAC PLAN - AREA B
1/8" = 1'-0"



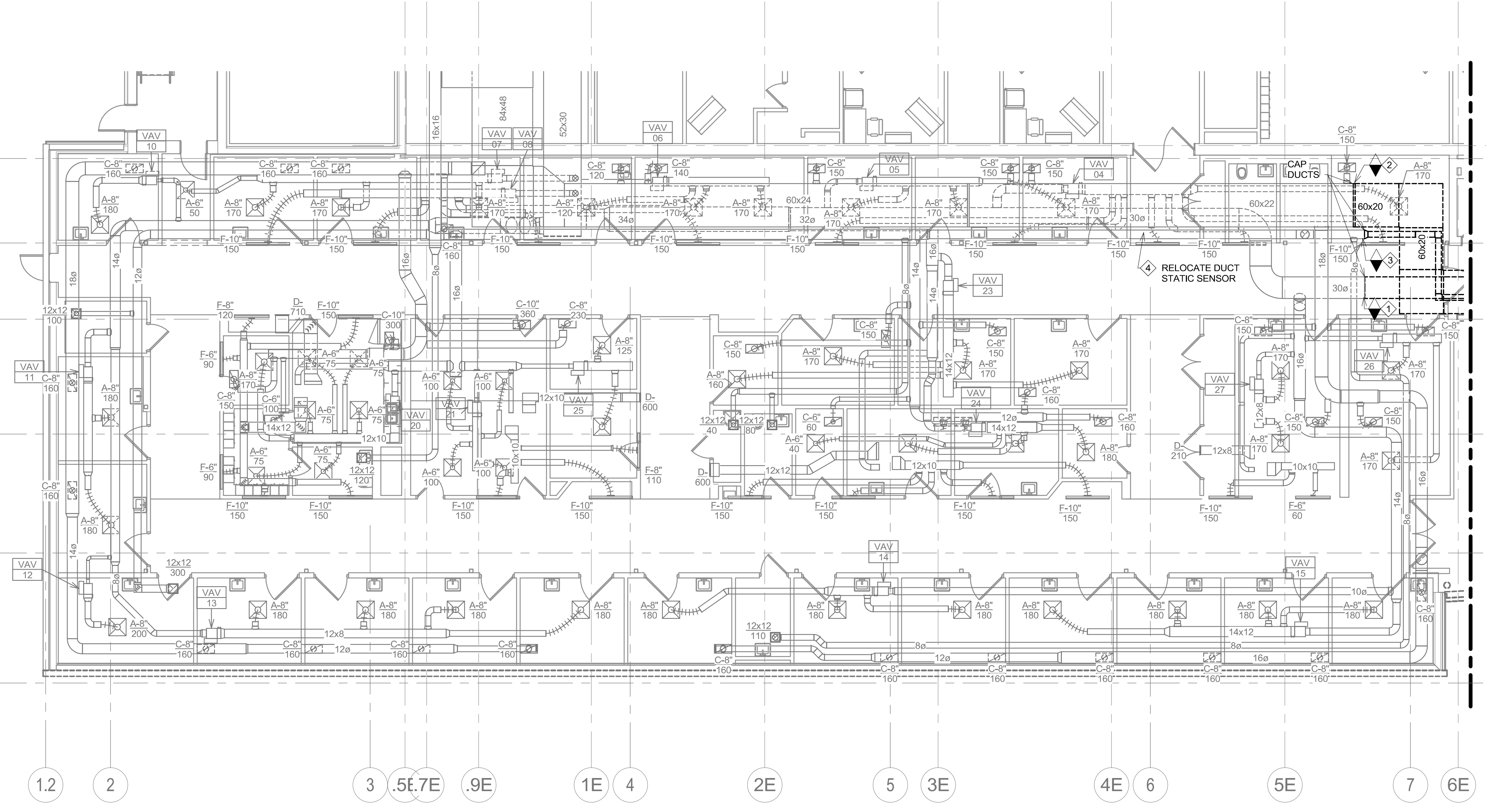
<p>CONSULTANTS</p> <p>ARCHITECTURAL: B W B R 380 St. Peter St Suite 600 St. Paul, MN 55102 Phone: 651-223-3701</p> <p>STRUCTURAL: ERA 2250 University Ave W Suite 423-S St. Paul, MN 55402 Phone: 651-251-1770</p> <p>MEP: DUNHAM 50 South Sixth St Suite 1100 Minneapolis, MN 55402 Phone: 612-685-7550 0421959-002-00</p> <p>CIVIL: EVS 10025 Valley View Rd Suite 140 Eden Prairie, MN 55344 Phone: 952-646-0239</p> <p>LANDSCAPE: CONFLUENCE 524 N Main Ave Suite 201 Sioux Falls, SD 57104 Phone: 605-339-1205</p>	<p>ARCHITECT OF RECORD</p> <p>A E Stone Group Architects 600 E 7th Street Sioux Falls, SD 57103 605-271-1144</p> <p>STAMP</p> <p>REGISTERED PROFESSIONAL ENGINEER 14844 JASON R. GOTTMALT SOUTH DAKOTA</p>	<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>	<p>Drawing Title FOUNDATION/TUNNEL HVAC PLAN - AREA B</p> <p>Approved:</p>	<p>Phase CONSTRUCTION DOCUMENTS</p>	<p>Project Title NEW FRONT LOBBY AND PRIMARY CARE ADDITION</p> <p>Location SIoux FALLS, SOUTH DAKOTA</p> <p>Issue Date 06/22/2022</p> <p>Checked JRG</p> <p>Drawn TNH</p>	<p>Project Number VA #438-480 SGA #201909</p> <p>Building Number 5</p> <p>Drawing Number MH002</p>
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- D. WHERE MECHANICAL SYSTEMS TO REMAIN ARE DAMAGED, OR DISTURBED, DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR WILL BE RESPONSIBLE TO REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL QUALITY AND FUNCTIONALITY.
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- F. COORDINATE ALL ROUTING OF DUCT/PIPING WITH ALL OTHER TRADES TO ENSURE ADEQUATE CLEARANCES FOR ELECTRICAL CONDUIT, HVAC DUCTWORK & PIPING, STRUCTURAL SUPPORTS, ETC. ANY UNAVOIDABLE CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OF RECORD. PROVIDE ALL OFFSETS & TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
- G. THE EXACT LOCATION OF EQUIPMENT ROUGH-INS SHALL BE VERIFIED WITH THE STAMPED APPROVED SHOP DRAWINGS PRIOR TO ANY FIELD INSTALLATION.
- H. ALL CORE DRILLING OR ANY ACTIVITIES CAUSING EXTREME VIBRATION OR NOISE SHALL BE COORDINATED TO BE PERFORMED AFTER BUSINESS HOURS TO NOT AFFECT CRITICAL HOSPITAL FUNCTIONS IN ADJACENT AREAS. COORDINATE WITH VA REPRESENTATIVE AS REQUIRED.
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- J. ALL EXISTING RETURN/EXHAUST DUCTWORK NOT TEMPORARILY CAPPED SHALL BE PROTECTED WITH REMOVABLE FILTER MEDIA TO PROTECT EXISTING DUCT SYSTEMS FROM CONSTRUCTION DEBRIS. ALL NEW DUCTWORK SHALL BE PROTECTED AS REQUIRED AND CLEANED PRIOR TO START-UP. IF CONSTRUCTION DEBRIS IS FOUND INSIDE UNPROTECTED DUCTWORK THEN DUCT CLEANING OF THE ENTIRE SYSTEM SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.
- K. THE MECHANICAL CONTRACTOR WILL BE RESPONSIBLE TO MAINTAIN EACH PROJECT SPACE IN A NEGATIVE PRESSURIZATION AND PROVIDE HEPA FILTRATION UNITS AS REQUIRED BY INFECTION CONTROL. IF NECESSARY CONSULT WITH VA, OR ENGINEER OF RECORD, FOR SUGGESTED METHODS THAT MAY BE UTILIZED TO ELIMINATE CONTAMINATED AIR TO OUTSIDE. VISUAL PRESSURIZATION INDICATORS SHALL BE PROVIDED AT EACH ENTRANCE TO THE CONSTRUCTION ZONE AND MONITORED DAILY TO INSURE A CONSTANT NEGATIVE PRESSURE IS MAINTAINED THROUGHOUT EACH PHASE. COORDINATE PRESSURIZATION PLANNING WITH VA FACILITIES AND INFECTION CONTROL REPRESENTATIVE PRIOR TO EACH CONSTRUCTION PHASE.
- L. MECHANICAL CONTRACTOR SHALL REVIEW ARCHITECTURAL CEILING PLANS FOR LOCATIONS OF GYPSUM BOARD. DO NOT INSTALL VALVES, VAV BOXES, SENSOR, OR DAMPERS ABOVE BOARD CEILING.
- M. ALL WORK OUTSIDE THE PROTECTED PROJECT BOUNDARIES ABOVE EXISTING CEILING SHALL BE COMPLETED WITH CEILING REPLACED IN THE SAME DAY UNLESS FULLY COORDINATED THROUGH INFECTION CONTROL. CLEAN AREA TO ORIGINAL CONDITION ON COMPLETION.
- N. FLUTTER STRIPS OR AIR PRESSURE GAUGES SHALL BE PROVIDED AT THE ENTRANCES TO EACH CONSTRUCTION AREA. ALL CONTRACTED WORKERS SHALL BE TRAINED TO VISUALLY MONITOR THESE DEVICES FOR ADEQUATE NEGATIVE PRESSURIZATION AS THEY ENTER/EXIT THE CONSTRUCTION AREA. DAILY LOGS SHALL BE KEPT BY THE MECHANICAL CONTRACTOR TO INSURE CONSTANT PRESSURIZATION HAS BEEN MAINTAINED.
- O. CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ANY DISCREPANCIES WITH EXISTING PIPING INDICATED OR REVISIONS TO THE BID DOCUMENT LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN THE FINAL RECORD DRAWING SET.

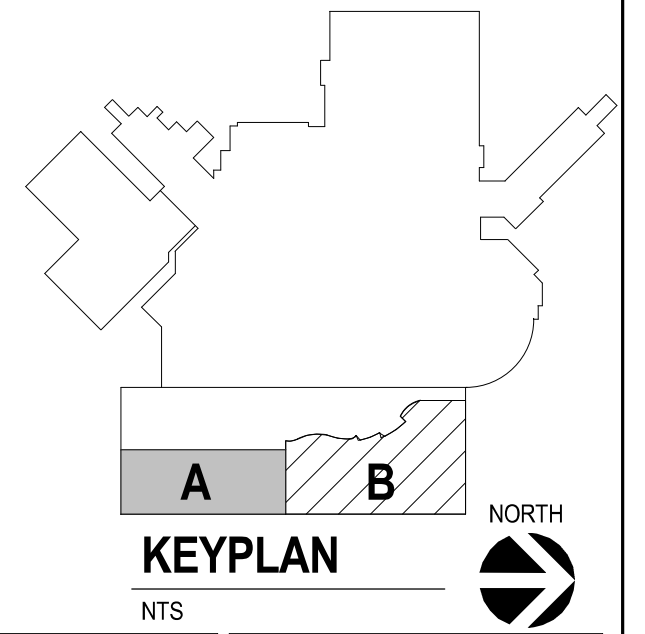
KEY NOTES:

- 1 DEMOLISH SUPPLY AIR MAIN BACK TO POINT OF DISCONNECT. DEMOLISH ALL SUPPLY BRANCHES, VAV BOXES, FVAV UNITS AND DIFFUSERS/GRILLES AS INDICATED BY DEMOLITION LINES. PERMANENTLY CAP AND SEAL END OF MAIN AND REPLACE DAMAGED INSULATION AS REQUIRED.
- 2 DEMOLISH RETURN AIR MAIN BACK TO POINT OF DISCONNECT. DEMOLISH ALL RETURN BRANCHES AND GRILLES AS INDICATED BY DEMOLITION LINES. PERMANENTLY CAP AND SEAL END OF MAIN AND CHECK/VERIFY BALANCE OF UPSTREAM GRILLES WERE NOT ADVERSELY AFFECTED (MINIMUM SAMPLE SIZE OF 12 LOCATIONS TO VERIFY).
- 3 DEMOLISH EXHAUST AIR MAIN BACK TO POINT OF DISCONNECT. DEMOLISH ALL BRANCHES AND GRILLES AS INDICATED BY DEMOLITION LINES. PERMANENTLY CAP AND SEAL END OF MAIN AND CHECK/VERIFY BALANCE OF UPSTREAM GRILLES WERE NOT ADVERSELY AFFECTED (MINIMUM SAMPLE SIZE OF 12 LOCATIONS TO VERIFY).
- 4 CONTROLS CONTRACTOR TO VERIFY LOCATION OF EXISTING DUCT STATIC PRESSURE SENSOR AND RELOCATE TO LOCATION INDICATED. RECALIBRATE SETPOINT AFTER ALL DUCTWORK DEMOLITION IS COMPLETE. CONTROLS CONTRACTOR SHALL VERIFY ECONOMIZER CONTROLS OF ASSOCIATED AHU AND ADJUST OFFSET FOR NEW MINIMUM OUTDOOR AIR VALUE PROVIDED BY ENGINEER-OF-RECORD.



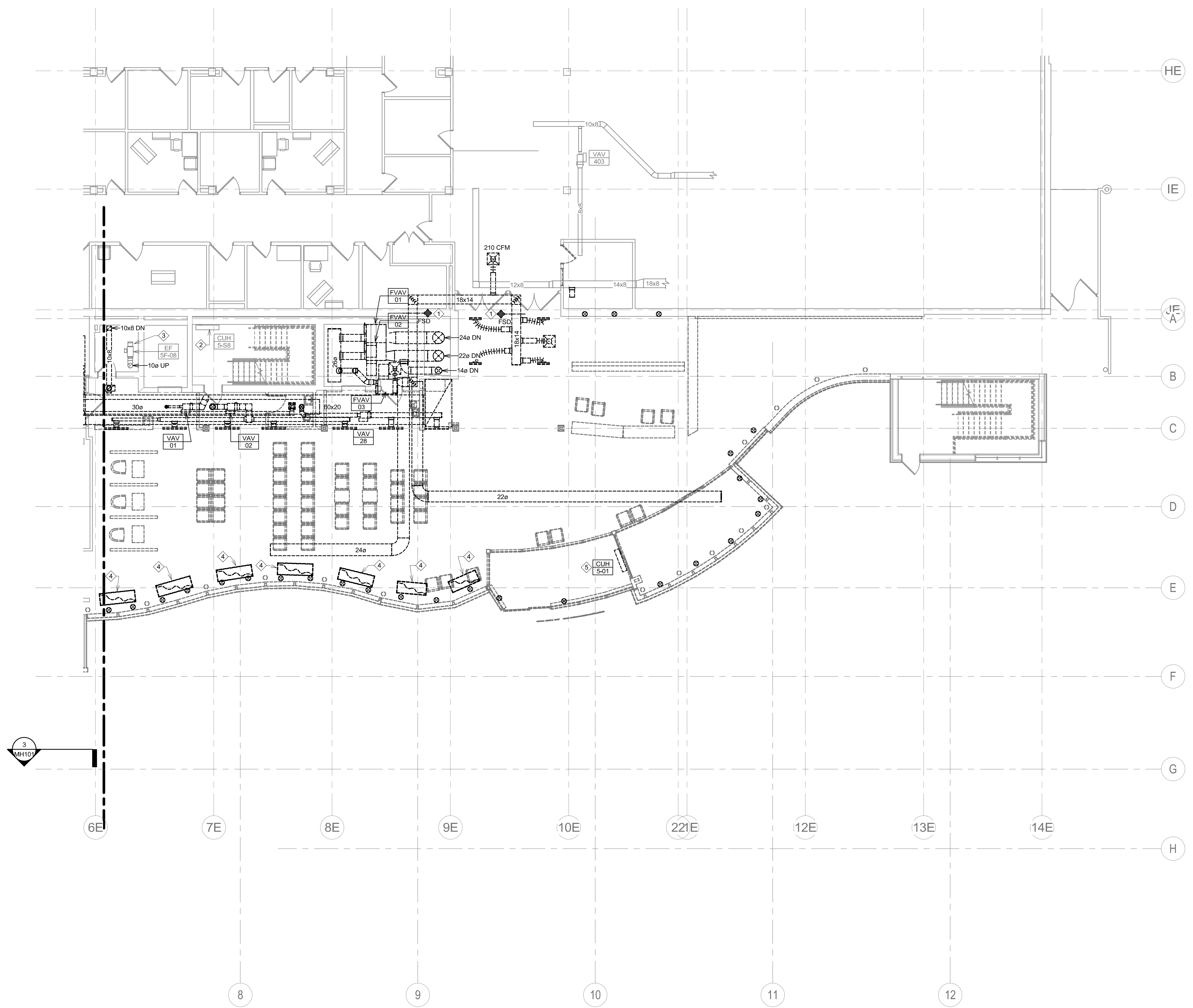
1 GROUND LEVEL DEMOLITION HVAC PLAN - AREA A
1/8" = 1'-0"

ONCE ALL DEMOLITION IS COMPLETE, AND POINTS OF DISCONNECTION ARE CAPPED, THE CONTRACTOR SHALL REBALANCE THE ENTIRE AREA INDICATED ON THIS DRAWING. NOTE THAT ALL EXSITING DIFFUSERS, REGISTERS, AND GRILLES ARE SHOWN WITH AIRFLOW VALUES TO BALANCE. REPORT ANY DISCREPANCIES FOUND DURING BALANCING TO THE ENGINEER-OF-RECORD, OR VA COTR, TO RESOLVE.



CONSULTANTS ARCHITECTURAL: B W B R STRUCTURAL: ERA MEP: DUNHAM CIVIL: E V S LANDSCAPE: CONFLUENCE		ARCHITECT OF RECORD A E Stone Group Architects 600 E 7th Street Sioux Falls, SD 57103 605-271-1144		STAMP REGISTERED PROFESSIONAL ENGINEER 14844 JASON R. GOTTWALT SOUTH DAKOTA		Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title GROUND LEVEL DEMOLITION HVAC PLAN - AREA A		Phase CONSTRUCTION DOCUMENTS		Project Title NEW FRONT LOBBY AND PRIMARY CARE ADDITION		Project Number VA #438-480 SGA #201909	
Approved:		STONE GROUP ARCHITECTS		VA		Approved:		Location SIoux FALLS, SOUTH DAKOTA		Building Number 5		Drawing Number MHD101			
Issue Date 06/22/2022		Checked JRG		Drawn TNH		Date:		Issue Date 06/22/2022		Checked JRG		Drawn TNH			

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 one quarter inch = one foot
 one eighth inch = one foot



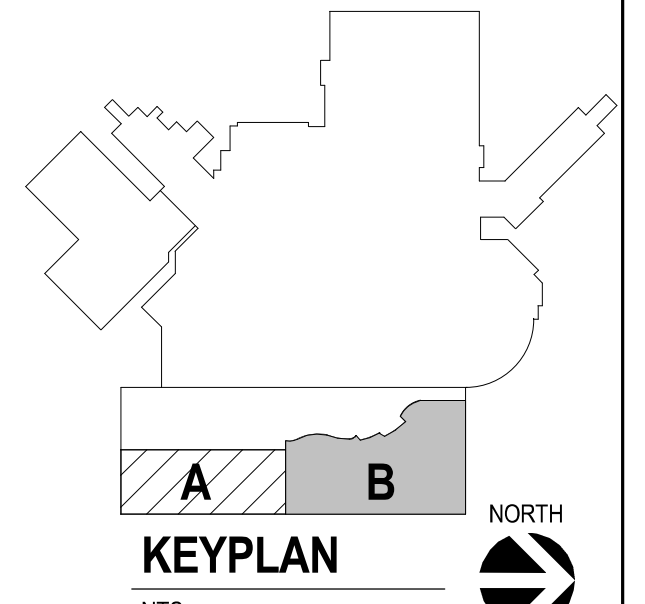
1 GROUND LEVEL DEMOLITION HVAC PLAN - AREA B
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KEY NOTES:

- 1 DEMOLISH COMBINATION FIRE/SMOKE DAMPER. COORDINATE WITH GENERAL CONTRACTOR PATCHING OF REMAINING PENETRATION THROUGH RATED WALL AS REQUIRED TO MATCH EXISTING WALL CONSTRUCTION.
- 2 EXISTING CABINET UNIT HEATER TO REMAIN. REMOVE EXISTING HEATING WATER PIPING AND MODIFY / RECONNECT AS REQUIRED FOR CEILING MODIFICATIONS IN ADJACENT AREA.
- 3 EXISTING EXHAUST FAN TO REMAIN. COORDINATE NEW TRANSFER GRILLE WITH HVAC PLANS FOR THIS AREA.
- 4 REMOVE RADIANT PANEL ALONG WITH ALL HEATING PIPING AND CONTROLS. CONFIRM EXACT ROUTING/INSTALLATION FOR COMPLETE REMOVAL OF THESE SYSTEMS TO SOURCE.
- 5 REMOVE CABINET UNIT HEATER ALONG WITH ALL HEATING PIPING AND CONTROLS. CONFIRM EXACT ROUTING/INSTALLATION FOR COMPLETE REMOVAL OF THESE SYSTEMS TO SOURCE.



Revision#	Description	Date:

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ARCHITECT OF RECORD

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STAMP

Office of
 Construction
 and Facilities
 Management

VA U.S. Department
 of Veterans Affairs

Drawing Title
**GROUND LEVEL DEMOLITION
 HVAC PLAN - AREA B**

Approved:

Phase
**CONSTRUCTION
 DOCUMENTS**

Project Title
**NEW FRONT LOBBY AND
 PRIMARY CARE ADDITION**

Location
SIoux FALLS, SOUTH DAKOTA

Issue Date
 06/22/2022

Checked
 JRG

Drawn
 TNH

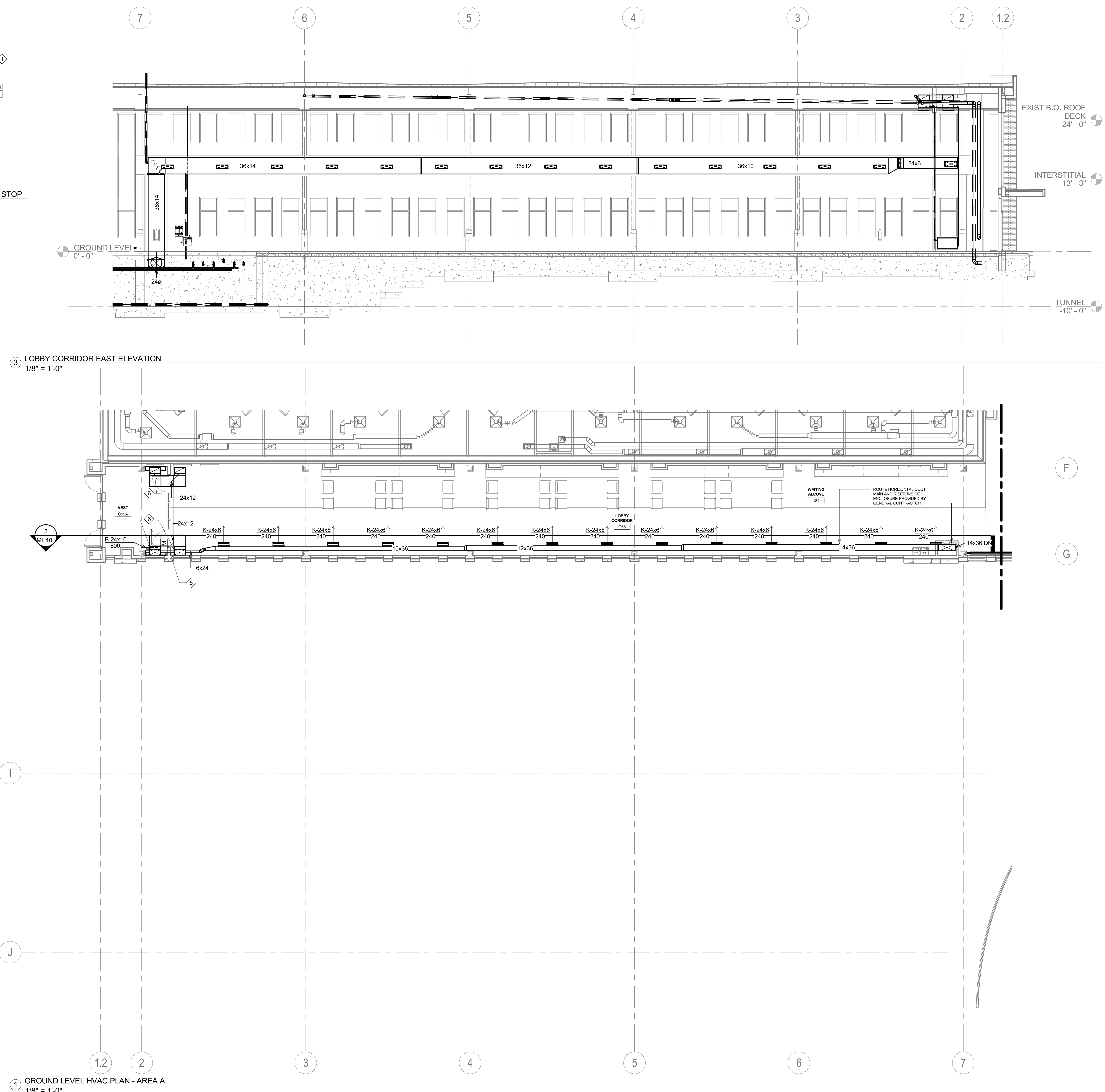
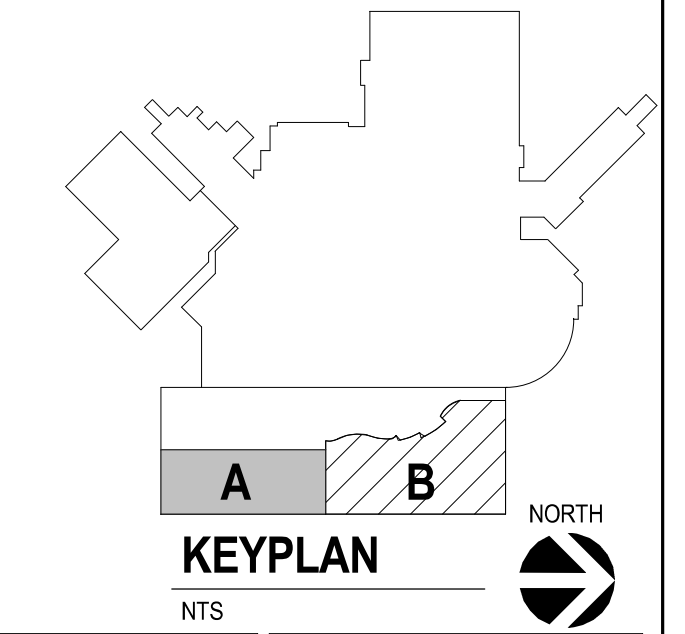
Project Number
 VA #438-480
 SGA #201909

Building Number
 5

Drawing Number
MHD102

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- KEY NOTES:**
- INSTALL SPLIT SYSTEM CONDENSING UNIT ON EITHER A SMALL CONCRETE PAD, OR PROVIDE A STEEL SUPPORT RAIL CANTILEVERED FROM THE BUS SHELTER FOUNDATION TO ELEVATE CONDENSING UNIT OFF ABOVE GROUND. INSTALL REFRIGERANT LINE SET AS REQUIRED AND CORE DRILL HOLE PENETRATIONS FOR ROUTING. SEALING AS REQUIRED ON COMPLETION TO BE WEATHER TIGHT.
 - MOUNT SPLIT SYSTEM EVAPORATOR COOLING COIL FAN ON WALL INDICATED USING MANUFACTURER SUPPLIED HARDWARE AND BRACKETS. CONFIRM ELEVATION WITH ARCHITECT FOR MOUNTING HEIGHT AND INCLUDE ALL POWER CONNECTIONS AND CONDENSATE DRAIN DISCHARGE OUT THROUGH EXTERIOR WALL TO SPILL OUT JUST ABOVE GRADE. NOTE THAT THIS UNIT SHALL BE PROVIDED WITH INTERNAL RETURN AIR TEMPERATURE SENSOR AND STAND ALONE CONTROL PACKAGE. VA FACILITIES WILL PROGRAM A 7-DAY SCHEDULE WITHIN PACKAGED CONTROLLER BUT IT SHALL NOT REQUIRE INTEGRATION INTO BUILDING AUTOMATION SYSTEM.
 - MOUNT INFRARED HEATER AS HIGH AS POSSIBLE WITHIN BUS SHELTER. ADJUST REFLECTOR TO PROVIDE FULL COVERAGE OF ENTIRE INTERIOR SPACE. INCLUDE CONTROLLER COMPLETE WITH OUTDOOR AIR TEMPERATURE SENSOR FOR CUT-OUT OF OPERATION. NOTE THIS WILL BE A STAND-ALONE CONTROL NOT TIED INTO BUILDING AUTOMATION. REFER TO ELECTRICAL PLANS FOR POWER CONNECTION TO THIS UNIT.
 - ALTERNATE SKYFACTORY LIGHTING SYSTEM IN THIS AREA. COORDINATE CEILING ACCESS TO MECHANICAL EQUIPMENT IF ALTERNATE IS ACCEPTED.
 - PROVIDE A MOTORIZED DAMPER INTEGRATED INTO THE BUILDING AUTOMATION SYSTEM WITH THE FOLLOWING CONTROL SEQUENCE. UPON CALL FOR COOLING (INITIAL SETPOINT AT 78 DEGREES), FROM TEMPERATURE SENSOR MOUNTED AT MID-POINT IN VESTIBULE, MODULATE THE DAMPER OPEN TO A SET POSITION TO ACHIEVE 800 CFM TO DOWNSTREAM SUPPLY REGISTER (BALANCING CONTRACTOR TO ASSIST WITH DAMPER POSITION). ONCE COOLING SETPOINT IS SATISFIED, MINUS A 4 DEGREE DEADBAND (74 DEGREES), THEN MOTORIZED DAMPER SHALL FULLY CLOSE. NOTE THAT BALANCING TO AIRFLOWS INDICATED FROM UPSTREAM LINEAR DIFFUSERS SHALL BE DONE WITH THIS MOTORIZED DAMPER IN A CLOSED POSITION. ACCESS PANEL FOR MOTORIZED DAMPER PROVIDED BY GENERAL CONTRACTOR.
 - PROVIDE PAIR OF 24"x12" TYPE 'C' GRILLES FOR TRANSFERRING AIR BETWEEN VESTIBULE AND ADJACENT CORRIDOR. GRILLES SHALL BE FACTORY PRIMED TO BE FIELD PAINTED TO MATCH EXISTING SOFFIT COLOR. SURFACE MOUNT THESE GRILLES WITHIN SOFFIT AND CONNECT WITH FULL SIZE 24"x12" DUCT. TYPICAL OF 2 LOCATIONS.



2 GROUND LEVEL HVAC PLAN - BUS STOP
1/8" = 1'-0"

3 LOBBY CORRIDOR EAST ELEVATION
1/8" = 1'-0"

1 GROUND LEVEL HVAC PLAN - AREA A
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STONE GROUP ARCHITECTS

STAMP

REGISTERED PROFESSIONAL ENGINEER
14844
JASON R. GOTTLWALT
SOUTH DAKOTA

Office of
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and Facilities
Management

VA U.S. Department
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Drawing Title
GROUND LEVEL HVAC PLAN - AREA A

Approved:

Phase
CONSTRUCTION DOCUMENTS

Project Title
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Location
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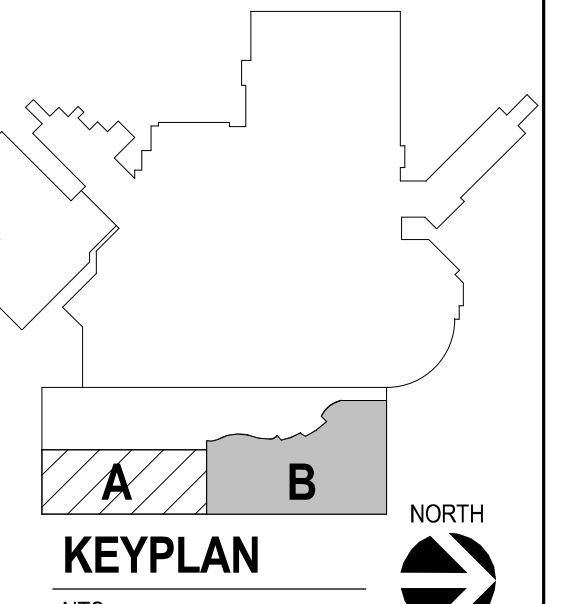
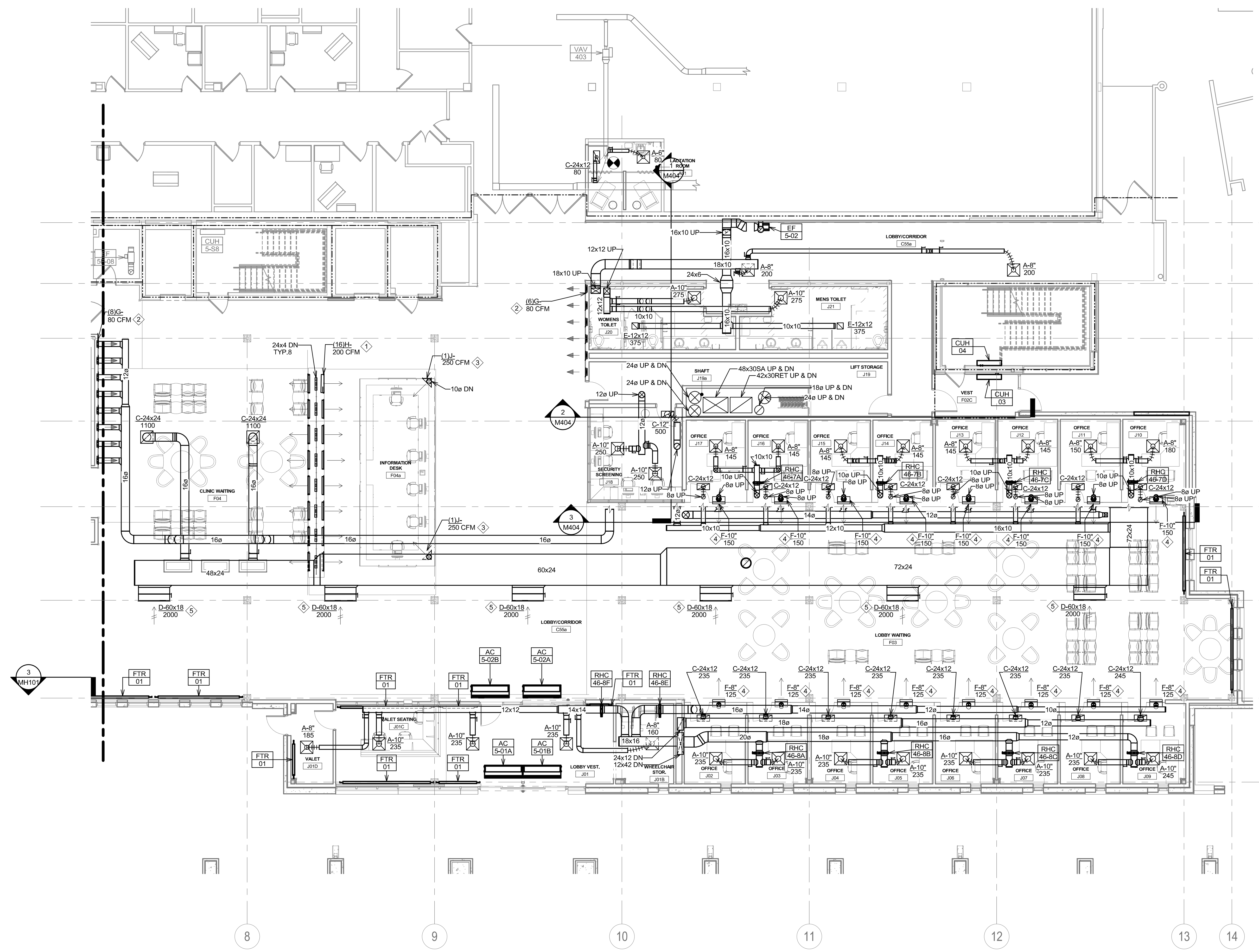
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- B. MECHANICAL CONTRACTOR WILL BE RESPONSIBLE TO REVIEW ACCESSIBILITY TO AREAS OUTSIDE THE CONSTRUCTION LIMITS TO DETERMINE APPROXIMATE AMOUNT OF OVERTIME REQUIRED TO PERFORM ALL MECHANICAL WORK INDICATED. COORDINATION OF SCHEDULES WITH ADJACENT DEPARTMENTS AND CLEANING OF ALL DEBRIS AFTER EACH WORK SHIFT SHOULD BE ASSUMED IN THE BASE BID.
- C. ANY MAJOR VENTILATION OUTAGES INDICATED ON THESE DRAWINGS SHALL BE SCHEDULED TO BE PERFORMED AFTER NORMAL BUSINESS HOURS OR DURING WEEKEND PERIODS TO MINIMIZE DISRUPTION. VA HOSPITAL FACILITIES WILL REQUIRE A MINIMUM OF TWO(2) WEEKS NOTICE PRIOR TO ANY SUCH OUTAGE AFFECTING MORE THAN ONE ADJACENT AREA.
- D. WHERE MECHANICAL SYSTEMS TO REMAIN ARE DAMAGED, OR DISTURBED, DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR WILL BE RESPONSIBLE TO REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL QUALITY AND FUNCTIONALITY.
- E. ALL NEW FIRE, SMOKE AND COMBINATION FIRE/SMOKE DAMPERS INSTALLED SHALL BE INSTALLED TO ALLOW FOR SERVICE OF THE FUSIBLE LINK/ACTUATOR PER FACILITY STANDARDS. ANY CONFLICTS WHICH WILL PREVENT ACCESS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER OF RECORD.
- F. COORDINATE ALL ROUTING OF DUCT/PIPING WITH ALL OTHER TRADES TO ENSURE ADEQUATE CLEARANCES FOR ELECTRICAL CONDUIT, HVAC DUCTWORK & PIPING, STRUCTURAL SUPPORTS, ETC. ANY UNAVOIDABLE CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OF RECORD. PROVIDE OFFSETS & TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
- G. THE EXACT LOCATION OF EQUIPMENT ROUGH-INS SHALL BE VERIFIED WITH THE STAMPED APPROVED SHOP DRAWINGS PRIOR TO ANY FIELD INSTALLATION.
- H. ALL CORE DRILLING OR ANY ACTIVITIES CAUSING EXTREME VIBRATION OR NOISE SHALL BE COORDINATED TO BE PERFORMED AFTER BUSINESS HOURS TO NOT AFFECT CRITICAL HOSPITAL FUNCTIONS IN ADJACENT AREAS. COORDINATE WITH VA REPRESENTATIVE AS REQUIRED.
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- K. THE MECHANICAL CONTRACTOR WILL BE RESPONSIBLE TO MAINTAIN EACH PROJECT SPACE IN A NEGATIVE PRESSURIZATION AND PROVIDE HEPA FILTRATION UNITS AS REQUIRED BY INFECTION CONTROL. IF NECESSARY CONSULT WITH VA OR ENGINEER OF RECORD FOR SUGGESTED METHODS THAT MAY BE UTILIZED TO ELIMINATE CONTAMINATED AIR TO OUTSIDE. VISUAL PRESSURIZATION INDICATORS SHALL BE PROVIDED AT EACH ENTRANCE TO THE CONSTRUCTION ZONE AND MONITORED DAILY TO INSURE A CONSTANT NEGATIVE PRESSURE IS MAINTAINED THROUGHOUT EACH PHASE. COORDINATE PRESSURIZATION PLANNING WITH VA FACILITIES AND INFECTION CONTROL REPRESENTATIVE PRIOR TO EACH CONSTRUCTION PHASE.
- L. MECHANICAL CONTRACTOR SHALL REVIEW ARCHITECTURAL CEILING PLANS FOR LOCATIONS OF GYPSUM BOARD. DO NOT INSTALL VALVES, VAV BOXES, SENSOR, OR DAMPERS ABOVE GYPSUM BOARD CEILINGS.
- M. ALL WORK OUTSIDE THE PROTECTED PROJECT BOUNDARIES ABOVE EXISTING CEILING SHALL BE COMPLETED WITH CEILINGS REPLACED IN THE SAME DAY UNLESS FULLY COORDINATED THROUGH INFECTION CONTROL. CLEAN AREA TO ORIGINAL CONDITION ON COMPLETION.
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- O. CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ANY DISCREPANCIES WITH EXISTING PIPING INDICATED OR REVISIONS TO THE BID DOCUMENT LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN THE FINAL RECORD DRAWING SET.

KEY NOTES:

- 1 DISPLACEMENT VENTILATION DIFFUSER LOCATED IN ARCHITECTURAL ENCLOSURE.
- 2 DISPLACEMENT VENTILATION DIFFUSER LOCATED IN WALL CAVITY.
- 3 DISPLACEMENT VENTILATION DIFFUSER LOCATED UNDER RECEPTION DESK.
- 4 POSITION LINEAR DIFFUSER CENTERED BETWEEN GLASS MULLIONS ADJACENT TO DOOR. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHT TO CENTER ON SCFFIT AT EACH LOCATION.
- 5 CENTER RETURN GRILLES BETWEEN COLUMNS. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHT. PAINT PORTION OF INTERNAL RETURN DUCTWORK VISIBLE THROUGH GRILLE FACE TO BE FLAT BLACK.

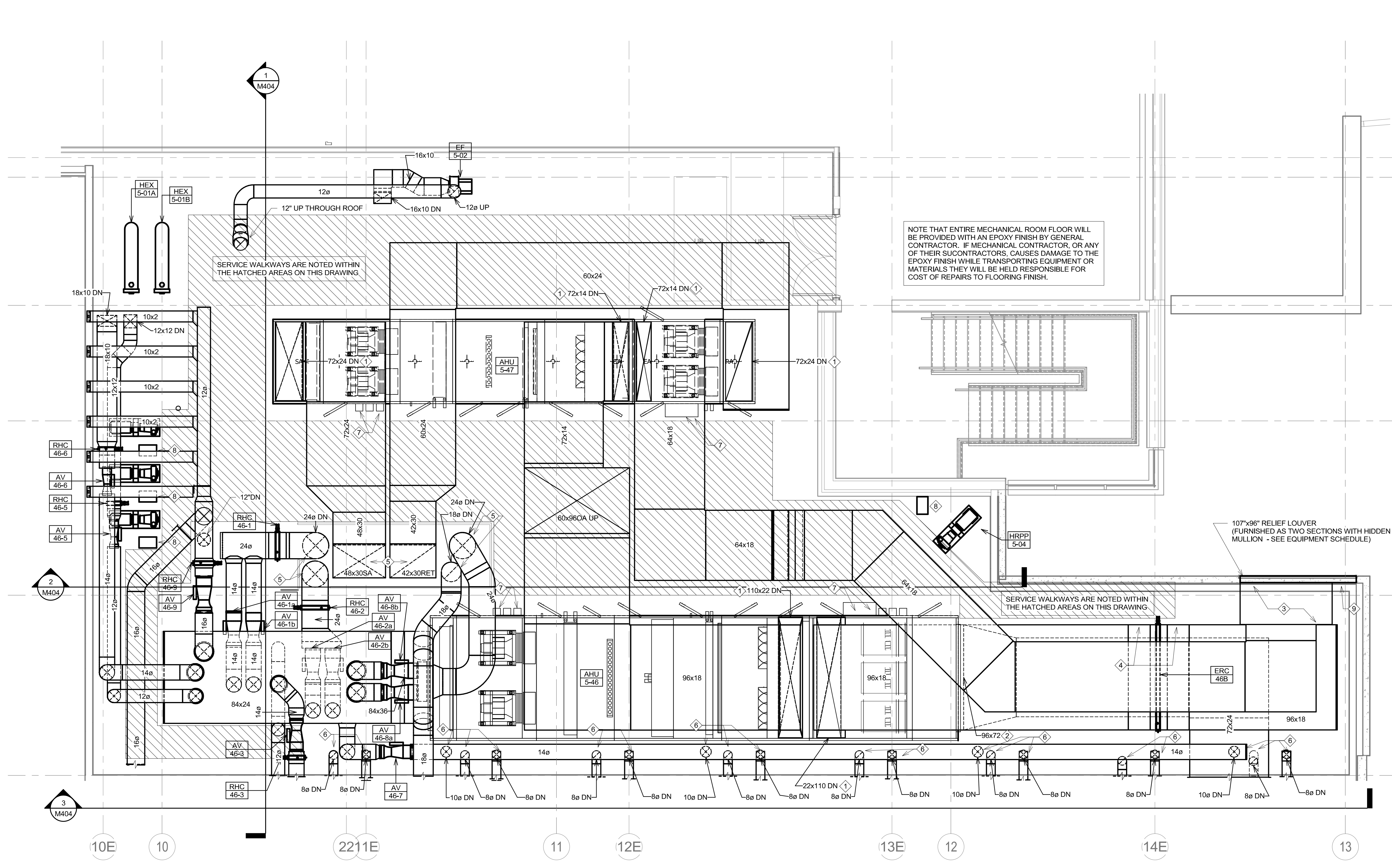
1 GROUND LEVEL HVAC PLAN - AREA B
1/8" = 1'-0"



CONSULTANTS ARCHITECTURAL: B W B R STRUCTURAL: ERA MEP: DUNHAM CIVIL: EVS LANDSCAPE: CONFLUENCE		ARCHITECT OF RECORD A/E: Stone Group Architects 600 E 7th Street Sioux Falls, SD 57103 605-271-1144		STAMP REGISTERED PROFESSIONAL ENGINEER 14844 JASON R. GOTTWALT SOUTH DAKOTA		Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title: GROUND LEVEL HVAC PLAN - AREA B Approved:		Phase: CONSTRUCTION DOCUMENTS		Project Title: NEW FRONT LOBBY AND PRIMARY CARE ADDITION		Project Number: VA #438-480 SGA #201909 Building Number: 5	
Location: SIOUX FALLS, SOUTH DAKOTA		Issue Date: 06/22/2022		Checked: JRG		Drawn: TNH		Drawing Number: MH102		Revision# Description Date:		VA FORM 08 - 6231			

Vertical scale bars on the left side of the drawing indicate 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, one eighth inch = one foot, and one sixteenth inch = one foot.

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 NOTES:**
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- KEY NOTES:**
- CONNECT INTO TOP OF AHU AT DAMPER FURNISHED WITH AHU (ACTUATOR BY CONTROLS CONTRACTOR). FIELD VERIFY EXACT CONNECTION SIZE AND TRANSITION WITH FLARED CONNECTION NOT EXCEEDING 45 DEGREES IN ANY DIRECTION.
 - CONNECT INTO FRONT/REAR PANEL AHU AT DAMPER FURNISHED WITH AHU (ACTUATOR BY CONTROLS CONTRACTOR). FIELD VERIFY EXACT CONNECTION SIZE AND TRANSITION WITH FLARED CONNECTION NOT EXCEEDING 45 DEGREES IN ANY DIRECTION.
 - PROVIDE A SHEETMETAL PLENUM BEHIND LOUVER INDICATED. PLENUM SHALL BE MINIMUM OF 36" DEEP WITH PITCHED BOTTOM TO 1" COPPER DRAIN PIPE ROUTED TO NEAREST FLOOR DRAIN. PROVIDE MINIMUM OF 24"x24" ACCESS DOOR TO ALLOW FOR ENTRY INTO PLENUM FOR SERVICE/CLEANING. INCLUDE UNISTRUT STAND AND FLOOR BRACING ON BOTTOM OF PLENUM CAPABLE OF SUPPORTING AT LEAST 500 LBS.
 - PROVIDE MINIMUM 24"x48" HINGED ACCESS DOORS ON BOTH SIDES OF HEAT RECOVERY COIL FOR CLEANING PURPOSES. PROVIDE PITCHED BOTTOM TO 1" COPPER FLOOR DRAIN WITH TRAP ROUTED TO NEAREST FLOOR DRAIN.
 - SEAL AROUND ALL FLOOR PENETRATIONS INTO SHAFT WITH 4" HIGH CONCRETE CURB TO AVOID WATER INFILTRATIONS INTO FLOORS BELOW. REFER TO LIFE SAFETY PLAN FOR FIRE SEALING AS REQUIRED.
 - PENETRATE MECHANICAL ROOM FLOOR FOR HVAC SERVICE TO OFFICES BELOW WITH TIGHT CEILING PLENUM SPACE. REFER TO SECTION 3M404. FIRE SEAL EACH FLOOR PENETRATION AS REQUIRED AND PROVIDE EITHER CONCRETE CURB AROUND PERIMETER, OR SLEEVE THAT EXTENDS AT LEAST 2' ABOVE FLOOR LEVEL, TO PREVENT WATER MIGRATION TO FLOOR BELOW.
 - COORDINATE A MINIMUM OF 36" CLEARANCE IN FRONT OF VFD CONTROLLER MOUNTED TO AHU. COORDINATE ON-SITE WIRING AND INSTALLATION REQUIREMENTS WITH MANUFACTURER AND ELECTRICAL SUBCONTRACTOR AS REQUIRED. PERFORM START-UP AND PROGRAMMING WITH CONTROLS CONTRACTOR ASSISTANCE.
 - SAME AS KEY NOTE 7 ABOVE EXCEPT THESE PUMP VFD'S SHALL BE PROVIDED WITH A UNISTRUT STAND SECURED TO FLOOR.
 - BLANK-OFF PORTION OF LOUVER BEHIND COLUMN WITH INSULATED PANEL. FIELD VERIFY EXACT DIMENSION.

1 ENLARGED INTERSTITIAL MECHANICAL ROOM - HVAC PLAN
1/4" = 1'-0"

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VA FORM 08 - 6231

CONSULTANTS

ARCHITECTURAL: BWB 393 St. Peter St Suite 600 St. Paul, MN 55102 Phone: 651-223-3701	STRUCTURAL: ERA 2250 University Ave W Suite 423-S St. Paul, MN 55402 Phone: 651-251-1770	MEP: DUNHAM 50 South Sixth St Suite 1100 Minneapolis, MN 55402 Phone: 651-465-7550 0421959-002-00	CIVIL: EVS 5025 Valley View Rd Suite 140 Eden Prairie, MN 55444 Phone: 952-446-0269	LANDSCAPE: CONFLUENCE 524 N Main Ave Suite 201 Sioux Falls, SD 57104 Phone: 605-339-1205
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ARCHITECT OF RECORD

A/E
Stone Group Architects
600 E 7th Street
Sioux Falls, SD 57103
605-271-1144

STONE GROUP ARCHITECTS

STAMP

REGISTERED PROFESSIONAL ENGINEER
14844
JASON R. GOTTWALT
SOUTH DAKOTA

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

Drawing Title
FIRST FLOOR MECHANICAL ROOM HVAC PLAN

Approved:

Phase
CONSTRUCTION DOCUMENTS

Project Title
NEW FRONT LOBBY AND PRIMARY CARE ADDITION

Location
SIOUX FALLS, SOUTH DAKOTA

Issue Date
06/22/2022

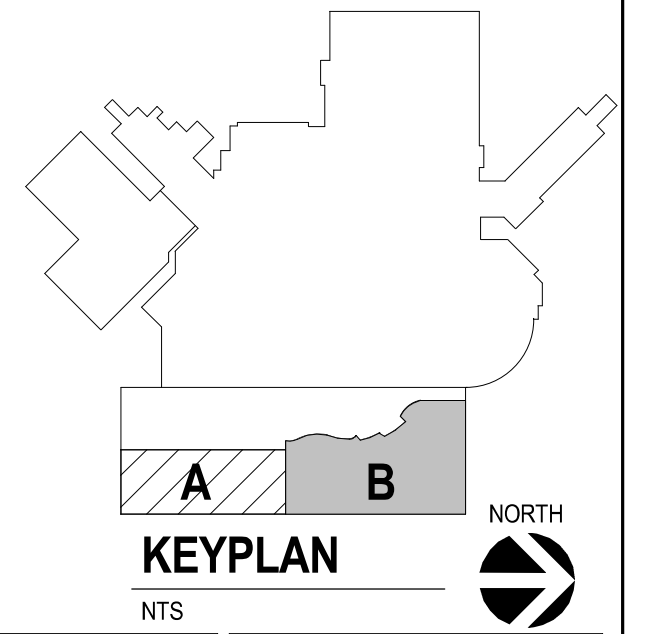
Checked
JRG

Drawn
TNH

Project Number
VA #438-480
SGA #201909

Building Number
5

Drawing Number
MH113



GENERAL NOTES:

A. ANY ALTERATIONS MADE TO PORTIONS OF EXISTING ROOF SYSTEM TO REMAIN SHALL BE PERFORMED BY THE ORIGINAL ROOFING CONTRACTOR TO MAINTAIN ANY EXISTING WARRANTIES. EACH SUBCONTRACTOR PERFORMING DEMOLITION OR MODIFICATIONS TO EXISTING ROOF STRUCTURE SHALL BE RESPONSIBLE FOR COSTS ASSOCIATED WITH ROOFING REPAIR.

B. DO NOT LEAVE ANY AREA OF FACILITY DIRECTLY EXPOSED TO WEATHER FOR MORE THAN A BRIEF PERIOD OF TIME. PROVIDE MEASURES TO MAINTAIN PROTECTION FROM WIND/RAIN/SNOW ALONG WITH VAPOR BARRIER TO HOLD BUILDING PRESSURE WHILE MODIFICATIONS OCCUR.

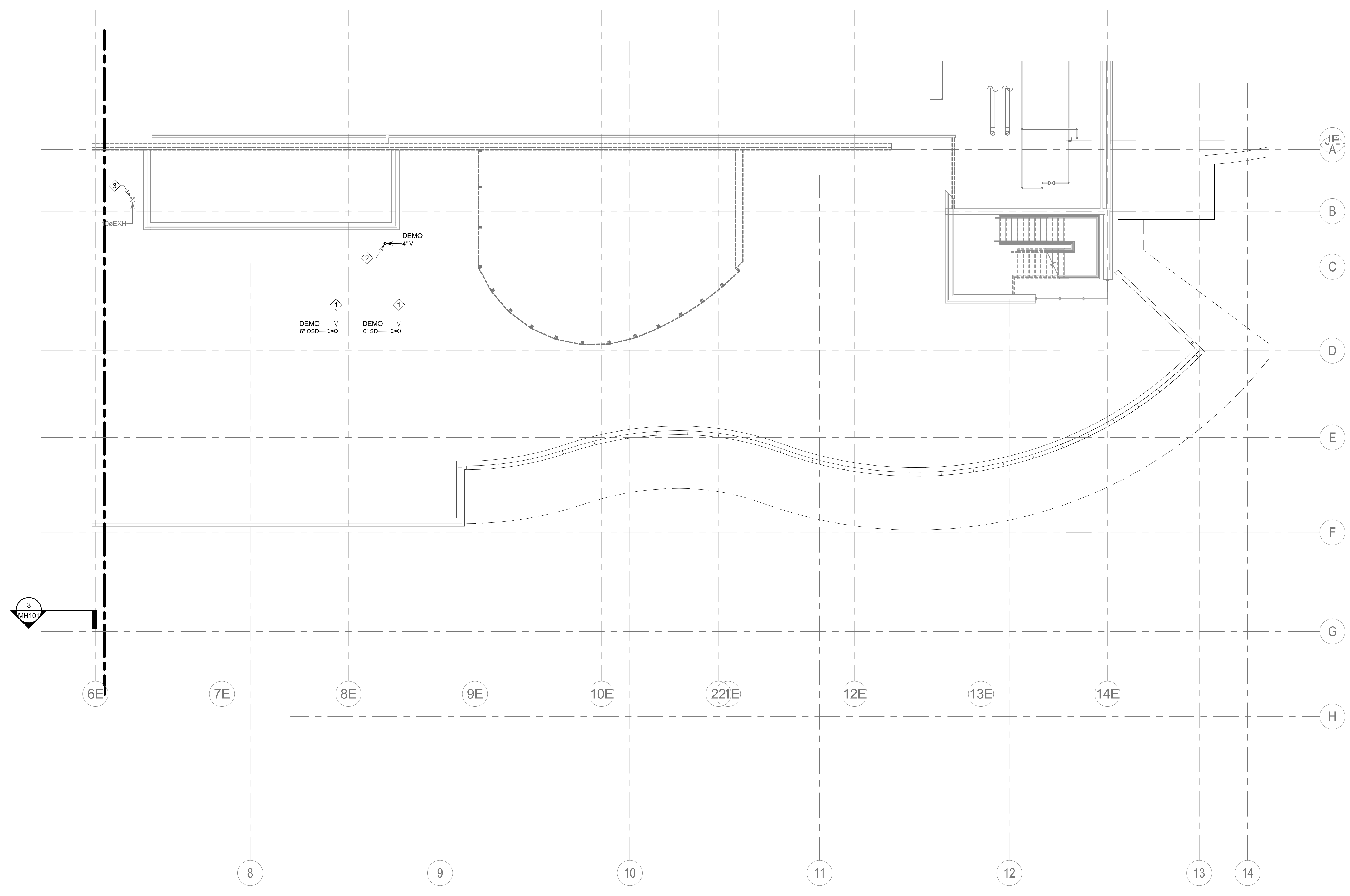
C. EACH SUBCONTRACTOR SHALL SUBMIT SAFETY PLANS TO VA FOR REVIEW PRIOR TO WORKING IN ELEVATED OR CONFINED LOCATIONS.

KEY NOTES:

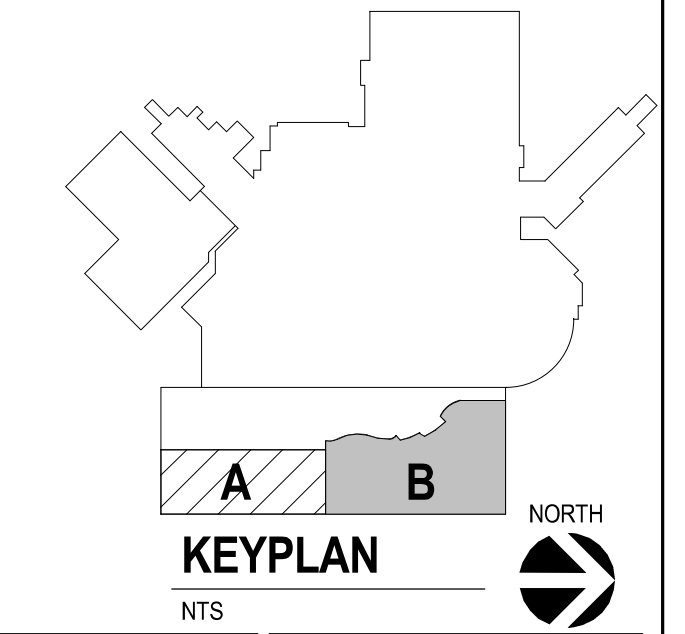
① REMOVE EXISTING STORM DRAIN AND OVERFLOW DRAIN WITHIN ROOF AREA TO BE DEMOLISHED. CONTRACTOR TO DEVELOP A TEMPORARY METHOD TO MANAGE RAIN WATER UNTIL NEW STORM DRAIN SYSTEMS ARE COMPLETED. SUBMIT STORM WATER MANAGEMENT AND EROSION CONTROL PLANS TO VA FOR REVIEW AND APPROVAL.

② REMOVE EXISTING VENT STACK. REFER TO DRAWING PD-101 FOR CONTINUATION OF DEMOLITION.

③ EXISTING EXHAUST DUCT STACK TO REMAIN. EITHER PROTECT FROM DAMAGE DURING CONSTRUCTION OR REPLACE WITH NEW ON COMPLETION.



① MECHANICAL DEMOLITION ROOF PLAN - AREA B
1/8" = 1'-0"



Revision#	Description	Date:

CONSULTANTS

ARCHITECTURAL: BWB BWR 380 St. Peter St Suite 600 St. Paul, MN 55102 Phone: 651-223-3701	STRUCTURAL: ERA ERICKSEN ROAD ASSOCIATES 2250 University Ave W Suite 423-S St. Paul, MN 55402 Phone: 651-251-1770	MEP: DUNHAM DUNHAM ASSOCIATES, INC. 50 South Sixth St Suite 1100 Minneapolis, MN 55402 Phone: 612-685-7550 0421950-002-00	CIVIL: EVS EVS 10025 Valley View Rd Suite 140 Eden Prairie, MN 55344 Phone: 952-646-0236	LANDSCAPE: CONFLUENCE CONFLUENCE 524 N Main Ave Suite 201 Sioux Falls, SD 57104 Phone: 605-339-1205
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ARCHITECT OF RECORD

A/E:
Stone Group Architects
600 E 7th Street
Sioux Falls, SD 57103
605-271-1144

STAMP

Office of
Construction
and Facilities
Management

Drawing Title
**MECHANICAL DEMOLITION ROOF
PLAN - AREA B**

Approved: _____

Phase
**CONSTRUCTION
DOCUMENTS**

Project Title
**NEW FRONT LOBBY AND
PRIMARY CARE ADDITION**

Location
SIOUX FALLS, SOUTH DAKOTA

Issue Date
06/22/2022

Checked
JRG

Drawn
TNH

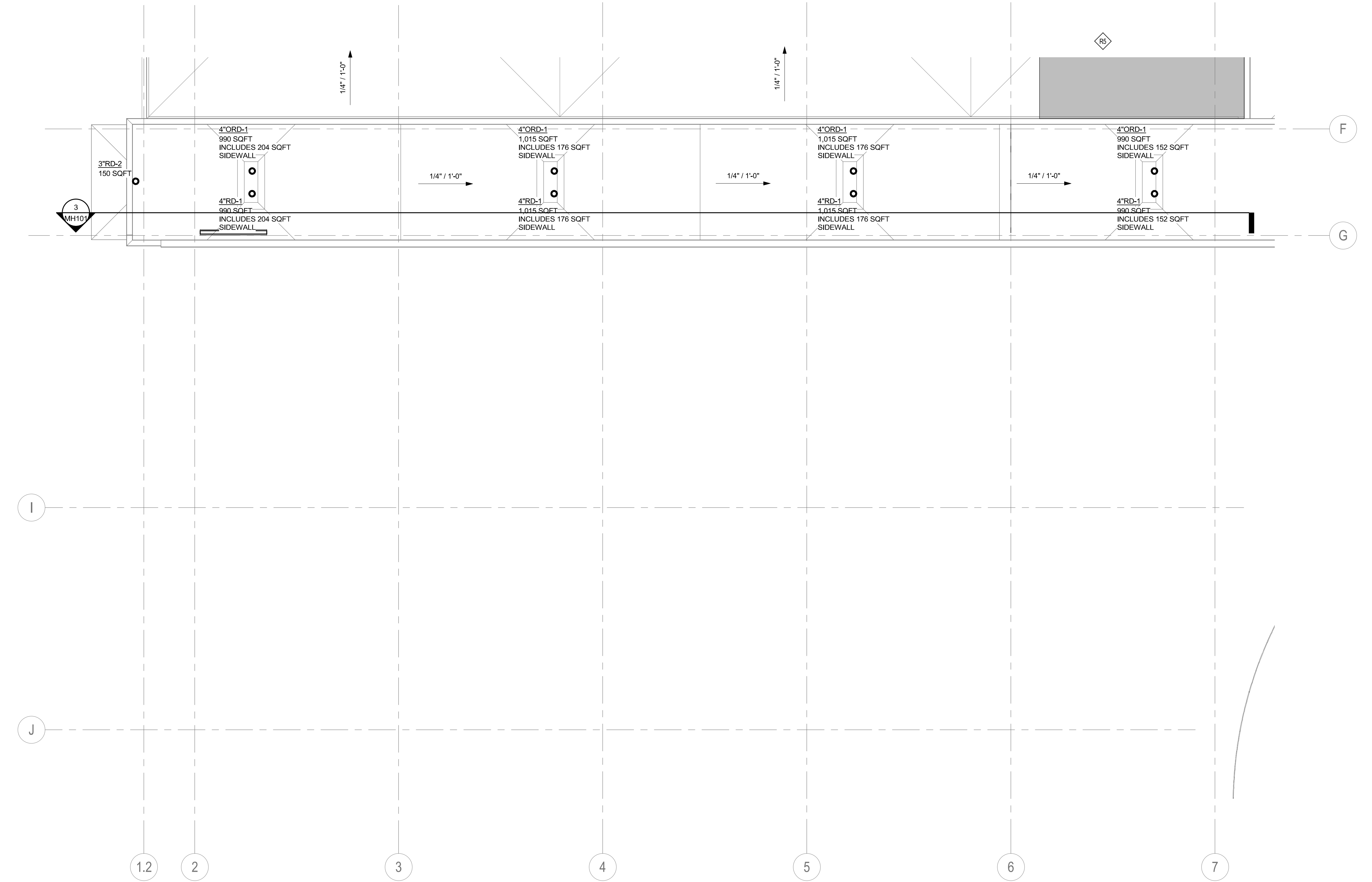
Project Number
**VA #438-480
SGA #201909**

Building Number
5

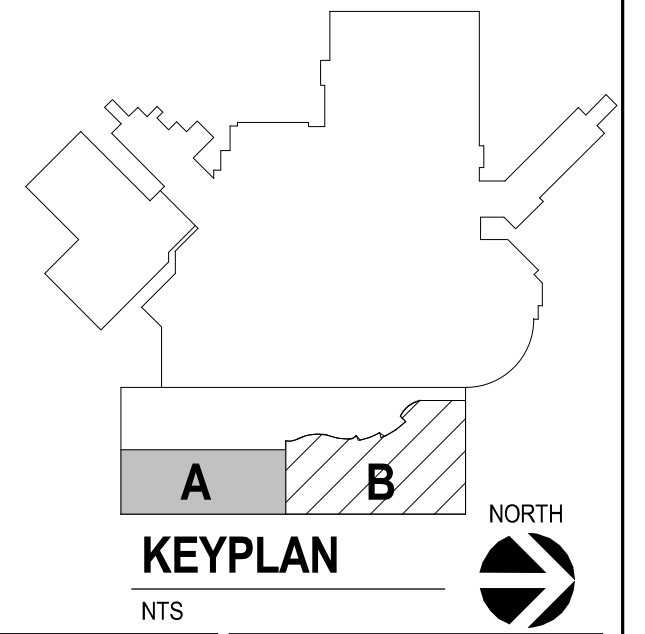
Drawing Number
MHD122

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- E. THE EXACT LOCATION OF EQUIPMENT ROUGH-INS SHALL BE VERIFIED WITH THE STAMPED APPROVED SHOP DRAWINGS PRIOR TO ANY FIELD INSTALLATION. NOTIFY ENGINEER OF ANY SIGNIFICANT VARIANCES.
- F. COORDINATE ALL ROUTING OF DUCT/PIPING WITH ALL OTHER TRADES TO ENSURE ADEQUATE CLEARANCES FOR ELECTRICAL CONDUIT, HVAC DUCTWORK & PIPING, STRUCTURAL SUPPORTS, ETC. ANY UNAVOIDABLE CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OF RECORD. PROVIDE ALL OFFSETS & TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
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1 MECHANICAL ROOF PLAN - AREA A
1/8" = 1'-0"



Revision#	Description	Date:

CONSULTANTS

ARCHITECTURAL: BWB 380 St. Peter St Suite 600 St. Paul, MN 55102 Phone: 651-223-3701	STRUCTURAL: ERA 2250 University Ave W Suite 423-S St. Paul, MN 55402 Phone: 651-251-1770	MEP: DUNHAM 50 South Sixth St Suite 1100 Minneapolis, MN 55402 Phone: 612-465-7550 0421950-002-00	CIVIL: EVS 10025 Valley View Rd Suite 140 Eden Prairie, MN 55344 Phone: 952-646-0239	LANDSCAPE: CONFLUENCE 524 N Main Ave Suite 201 Sioux Falls, SD 57104 Phone: 605-339-1205
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ARCHITECT OF RECORD

A/E:
Stone Group Architects
600 E 7th Street
Sioux Falls, SD 57103
605-271-1144

STAMP

Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title
MECHANICAL ROOF PLAN - AREA A

Approved:

Phase
CONSTRUCTION DOCUMENTS

Project Title
NEW FRONT LOBBY AND PRIMARY CARE ADDITION

Location
SIoux FALLS, SOUTH DAKOTA

Issue Date
06/22/2022

Checked
JRG

Drawn
TNH

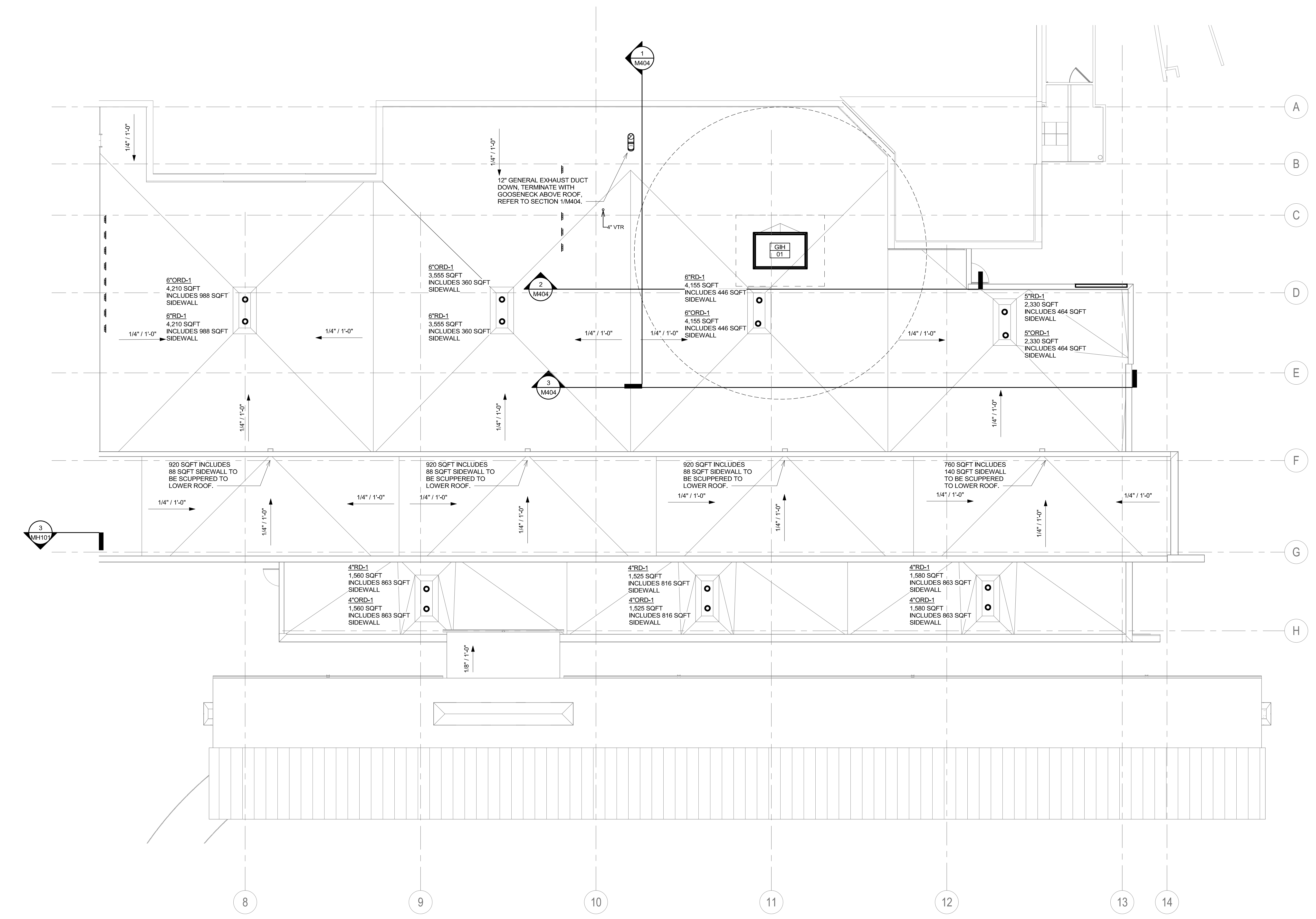
Project Number
VA #438-480
SGA #201909

Building Number
5

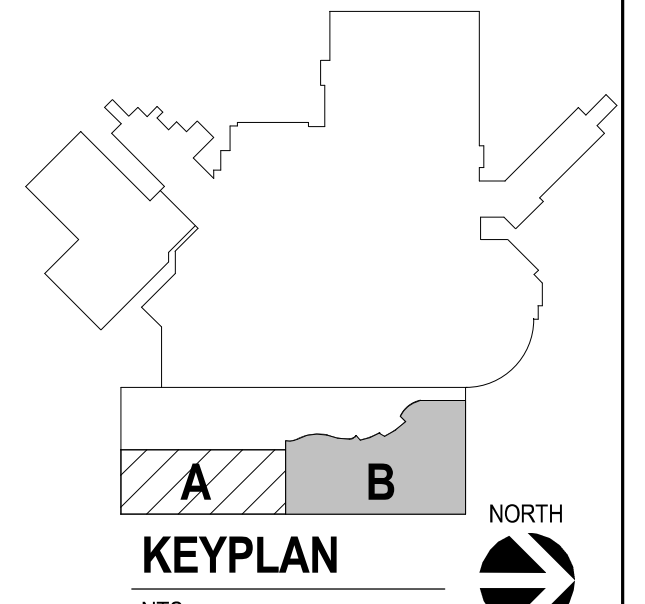
Drawing Number
MH121

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- A. CONTRACTOR SHALL REFER TO THE VA MASTER SPECIFICATION MANUAL EDITED FOR THIS PROJECT ALONG WITH ANY APPLICABLE STANDARDS WITHIN THE VA DESIGN GUIDES. ALL REQUIREMENTS OF THOSE MANUALS SHALL BE MAINTAINED IN ADDITION TO ALL NOTES AND DESCRIPTIONS INDICATED WITHIN THESE DRAWINGS. ANY CONFLICTS BETWEEN THE DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR INTERPRETATION.
- B. CONTRACTOR WILL BE RESPONSIBLE TO REVIEW ACCESSIBILITY TO AREAS OUTSIDE THE CONSTRUCTION LIMITS TO DETERMINE APPROXIMATE AMOUNT OF OVERTIME REQUIRED TO PERFORM ALL MECHANICAL WORK INDICATED. COORDINATION OF SCHEDULES WITH ADJACENT DEPARTMENTS AND CLEANING OF ALL DEBRIS AFTER EACH WORK SHIFT SHOULD BE ASSUMED IN THE BASE BID SCOPE.
- C. ANY MAJOR OUTAGES INDICATED ON THESE DRAWINGS SHALL BE SCHEDULED TO BE PERFORMED AFTER NORMAL BUSINESS HOURS OR DURING WEEKEND PERIODS TO MINIMIZE HOSPITAL DISRUPTION. VA HOSPITAL FACILITIES WILL REQUIRE A MINIMUM OF TWO (2) WEEKS NOTICE PRIOR TO ANY SUCH OUTAGE.
- D. COORDINATE ALL NEW PIPE ROUTING WITH ALL OTHER TRADES TO ENSURE ADEQUATE CLEARANCES FOR ELECTRICAL, CONDUIT, HVAC DUCTWORK & PIPING, STRUCTURAL SUPPORTS, ETC. ANY UNAVOIDABLE CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OF RECORD. PROVIDE ALL OFFSETS & TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
- E. THE EXACT LOCATION OF EQUIPMENT ROUGH-INS SHALL BE VERIFIED WITH THE STAMPED APPROVED SHOP DRAWINGS PRIOR TO ANY FIELD INSTALLATION. NOTIFY ENGINEER OF ANY SIGNIFICANT VARIANCES.
- F. COORDINATE ALL ROUTING OF DUCTPIPING WITH ALL OTHER TRADES TO ENSURE ADEQUATE CLEARANCES FOR ELECTRICAL, CONDUIT, HVAC DUCTWORK & PIPING, STRUCTURAL SUPPORTS, ETC. ANY UNAVOIDABLE CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OF RECORD. PROVIDE ALL OFFSETS & TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
- G. THE EXACT LOCATION OF EQUIPMENT ROUGH-INS SHALL BE VERIFIED WITH THE STAMPED APPROVED SHOP DRAWINGS PRIOR TO ANY FIELD INSTALLATION.
- H. ALL CORE DRILLING OR ANY ACTIVITIES CAUSING EXTREME VIBRATION OR NOISE SHALL BE COORDINATED TO BE PERFORMED AFTER BUSINESS HOURS TO NOT AFFECT CRITICAL HOSPITAL FUNCTIONS IN ADJACENT AREAS. COORDINATE WITH VA REPRESENTATIVE AS REQUIRED.
- I. SUPPORT ALL PIPING DIRECTLY TO STRUCTURE. DO NOT SUPPORT ANY PIPING FROM DUCTWORK, CONDUIT OR OTHER PIPING ENCOUNTERED.
- J. ALL EXISTING RETURN/EXHAUST DUCTWORK NOT TEMPORARILY CAPPED SHALL BE PROTECTED WITH REMOVABLE FILTER MEDIA TO PROTECT EXISTING DUCT SYSTEMS FROM CONSTRUCTION DEBRIS. ALL NEW DUCTWORK SHALL BE PROTECTED AS REQUIRED AND CLEANED PRIOR TO START-UP. IF CONSTRUCTION DEBRIS IS FOUND INSIDE UNPROTECTED DUCTWORK THEN DUCT CLEANING OF THE ENTIRE SYSTEM SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.
- K. CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ANY DISCREPANCIES WITH EXISTING PIPING INDICATED OR REVISIONS TO THE BID DOCUMENT LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN THE FINAL RECORD DRAWING SET.



1 MECHANICAL ROOF PLAN - AREA B
1/8" = 1'-0"



Revision#	Description	Date:

CONSULTANTS

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ARCHITECT OF RECORD

A/E
Stone Group Architects
600 E 7th Street
Sioux Falls, SD 57103
605-271-1144

STAMP

REGISTERED PROFESSIONAL ENGINEER
14844
JASON R. GOTTWALT
SOUTH DAKOTA

Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title
MECHANICAL ROOF PLAN - AREA B

Approved: _____

Phase
CONSTRUCTION DOCUMENTS

Project Title
NEW FRONT LOBBY AND PRIMARY CARE ADDITION

Location
SIoux FALLS, SOUTH DAKOTA

Issue Date
06/22/2022

Checked
JRG

Drawn
TNH

Project Number
VA #438-480
SGA #201909

Building Number
5

Drawing Number
MH122