

- GENERAL NOTES:**
- A. MECHANICAL CONTRACTOR SHALL REFER TO THE VA MASTER SPECIFICATION MANUAL EDITED FOR THIS PROJECT ALONG WITH ANY APPLICABLE STANDARDS WITHIN THE VA DESIGN GUIDE. ALL REQUIREMENTS OF THOSE MANUALS SHALL BE MAINTAINED IN ADDITION TO ALL NOTES AND DESCRIPTIONS INDICATED WITHIN THESE DRAWINGS. ANY CONFLICTS BETWEEN THOSE DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR INTERPRETATION.
- 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 FUSABLE 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 ALL OFFSETS & TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
- G. THE EXACT LOCATION OF EQUIPMENT ROUGHINS 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 THAN 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 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.
- 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. EXTEND 16X4 ALUMINUM EXHAUST DUCT DOWN TO DISHWASHING MACHINE VENT. BALANCE TO AIRFLOW INDICATED ON PLAN.
2. EXTEND 16X4 ALUMINUM EXHAUST DUCT DOWN TO DISHWASHING MACHINE VENT. BALANCE TO AIRFLOW INDICATED ON PLAN.
3. EXTEND 6 INCH DIAMETER ALUMINUM EXHAUST DUCT DOWN TO DISHWASHING MACHINE VENT CONNECTION. BALANCE AIRFLOW TO CFM INDICATED ON PLAN.
4. EXTEND 12X12 ALUMINUM EXHAUST DUCT DOWN TO DISHWASHING MACHINE VENT. BALANCE TO AIRFLOW INDICATED ON PLAN.
5. PROVIDE UL 12X12 UL LISTED ACCESS DOORS FITTED WITH AIR TIGHT GASKET AND BACK-FRAME CENTERED ON VERTICAL FACE OF DUCT PER NFPA 96. VERIFY SERVICE CLEARANCE FOR DUCT CLEANING.
6. WELDED TYPE 1 GREASE EXHAUST DUCT. PITCH HORIZONTAL DUCT 1/4 INCH PER FOOT BACK TO HOOD. REFER TO SPECIFICATION.
7. PROVIDE EBTRON GOLD SERIES AIRFLOW SENSOR FOR EACH REHEAT COIL ZONE (TOTAL OF 2). REFER TO SEQUENCE OF OPERATION FOR MODULATION OF CONTROL DAMPER TO ADJUST AIRFLOW TO EACH ZONE AS REQUIRED FOR GREASE HOOD MAKE-UP.
8. DUCT STATIC PRESSURE SENSOR FOR CORRESPONDING MAKE-UP AIR UNIT. SET TO CONTROL SUPPLY FAN SPEED TO HOLD SETPOINT (1.5" - ADJUSTABLE WITH STATIC RESET). WHEN BYPASS DAMPER IS OPEN, CONTROL FAN SPEED TO PRIMARY SENSOR AND MODULATE BYPASS DAMPER TO HOLD SECONDARY SENSOR SETPOINT.



KEYPLAN
NTS

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

GENERAL NOTES:

- 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. SUPPORT ALL PIPING DIRECTLY TO STRUCTURE. DO NOT SUPPORT ANY PIPING FROM DUCTWORK, CONDUIT OR OTHER PIPING ENCOUNTERED.
- G. 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.
- H. ALL EXISTING PIPING THROUGH NEW FIRE RATED WALLS SHALL BE ADEQUATELY FIRE SEALED AS REQUIRED. PIPING PENETRATIONS THROUGH INTERSTITIAL FLOOR SHALL BE DRILLED OR CUT BY THE CONTRACTOR AND FIRE SEALED AS REQUIRED.
- I. 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.
- J. THE SMALLEST ALLOWABLE PIPE SIZE FOR HEATING WATER SUPPLY AND RETURN WILL BE 3/4" DIAMETER. UNLESS NOTED OTHERWISE, HEATING WATER SUPPLY AND RETURN PIPING TAKE-OFFS TO INDIVIDUAL REHEAT COILS SHALL BE A MINIMUM OF 3/4" DIAMETER.
- K. PROVIDE 1/2" DRAIN VALVE AT NEW HEATING WATER SUPPLY AND RETURN PIPE LOWPOINTS, DOWNSTREAM OF ISOLATION VALVES. LARGER EQUIPMENT SUCH AS AHU COILS AND HEAT EXCHANGERS SHALL BE PROVIDED WITH LARGER 2" DRAINS TO EXPEDITE PROCESS.
- L. ALL STEAM PIPING TAKE-OFFS TO INDIVIDUAL PIECES OF EQUIPMENT SHALL BE OFF THE TOP OF STEAM MAINS. HEATING WATER SUPPLY AND RETURN PIPING TAKE-OFFS SHALL ALSO BE OFF THE TOP OR SIDE OF PIPING WHEREVER POSSIBLE.
- M. THERMOSTATS AND HUMIDISTATS SHOWN ARE ALL TO BE NEW DDC DEVICES AND BE INTEGRATED INTO BAS BY THE CONTROL CONTRACTOR. EXISTING PNEUMATIC DEVICES NO LONGER IN USE SHALL HAVE ALL TUBING REMOVED COMPLETELY.
- N. ALL CONTRACTORS TO REFERENCE THE INFECTION CONTROL NOTES IDENTIFIED WITHIN THE VENTILATION GENERAL NOTES ON THESE DRAWINGS. CONFORM TO ALL ICRA REQUIREMENTS.
- O. CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ALL DISCREPANCIES WITH ANY EXISTING PIPING INDICATED OR REVISIONS TO THE HVAC PIPING LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN THE FINAL RECORD DRAWING SET.

KEY NOTES:

- 1 MECHANICAL CONTRACTOR TO INSTALL WALK-IN COOLER/FREEZER CONDENSING UNITS PROVIDED BY KITCHEN CONSULTANT.
- 2 MECHANICAL CONTRACTOR TO INSTALL WALK-IN COOLER/FREEZER CONDENSING UNITS PROVIDED BY KITCHEN CONSULTANT. MOUNT ON UNISTRUT SUPPORT RACK ON EXISTING CONCRETE PAD, STACKED 2 HIGH.
- 3 PROVIDE AND INSTALL ALL REFRIGERANT PIPING BETWEEN WALK-IN UNIT EVAPORATIVE COIL AND CONDENSING UNIT. PROVIDE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS. IF ANY PORTION OF THE SUCTION LINE RISES ABOVE THE ELEVATION OF THE EVAPORATOR P-TYPE OIL TRAPS SHOULD BE LOCATED AT THE BASE OF EACH SUCTION RISER FOR PROPER OIL RETURN TO THE COMPRESSOR. NOTE THAT EQUIVALENT PIPE LENGTH BETWEEN EVAPORATOR AND CONDENSING UNIT EXCEEDS 200' FEET. MANUFACTURER TO SELECT EQUIPMENT FOR LONG PIPING LENGTHS AND PROVIDE DIRECTION ON REQUIRED OVERSIZING OF PIPING.
- 4 ROUTE (S)RS & (S)RL REFRIGERANT PIPING STACKED ON A PIPING RACK ABOVE THE HALLWAY CEILING FROM WALK-IN COOLER EVAPORATIVE COILS TO REMOTE CONDENSERS IN MECHANICAL ROOM. (NOTE PLAN SHOWS ONLY TWO SETS DIAGMATICALLY)
- 5 1" GLYCOL SUPPLY AND RETURN PIPING RUNOUT FROM LOOP MAIN TO EACH WALK-IN COOLER/FREEZER CONDENSING UNITS. REFER TO FLOW DIAGRAM ON SHEET M300 FOR PIPING TRIM AND DETAILS.
- 6 PROVIDE DIFFERENTIAL PRESSURE SENSOR AT END OF HYDRONIC HEATING LOOP.
- 7 REFER TO PLUMBING PLANS FOR CONTINUATION OF GAS PIPING.
- 8 COLUMN INDICATED HAS EXISTING STEAM AND CONDENSATE RISERS WITHIN EXISTING PIPING CHASE THAT WAS REMOVED. CONTRACTOR WILL NEED TO CORE DRILL NEW FLOOR PENETRATION AS CLOSE TO EXTERIOR WALL AS POSSIBLE AND REINSTALL THESE RISERS WITHIN WALL FURRING. COORDINATE DEPTH OF FURRING REQUIRED WITH GENERAL CONTRACTOR NOT TO EXCEED 6" STUD. SUBMIT OVERALL PLAN TO ARCHITECT FOR REVIEW / APPROVAL PRIOR TO ANY PIPING MODIFICATIONS. REFER TO DRAWING MPD101 FOR EXISTING PIPE SIZING AND CONFIRM ACCURACY ON SITE.
- 9 EXISTING STEAM PIPING RISERS IN THIS PARTICULAR SPACE CAN BE LEFT EXPOSED IF NEEDED. REPAIR ANY DAMAGED INSULATION.
- 10 ROUTE PIPING HIGH ABOVE COILING SHUTTER DOOR.

2 FIRST FLOOR PIPING PLAN
1/8" = 1'-0"

CONSULTANTS

CIVIL:
Ulteig
Ulteig Engineers, Inc.
5701 South Corporate Plaza
Sioux Falls, SD 57108
Phone: 605-323-2306

STRUCTURAL:
ERA
ERICKSEN ROED
Ericksen Roed Associates
2550 University Ave W
Suite 423-S
St. Paul, MN 55402
Phone: 651-251-7570

MEP:
DUNHAM
Dunham Associates, Inc.
30 South Sixth St
Suite 1100
Minneapolis, MN 55402
Phone: 612-465-7550

FOOD SERVICE:
RIPPE ASSOCIATES
Foodservice Design + Consulting
Rippe Associates
10400 Yellow Circle Dr
Suite 100
Minneapolis, MN 55343
Phone: 952-933-0313

ARCHITECT OF RECORD

STONE GROUP
ARCHITECTS
Stone Group Architects, Inc.
600 East 7th Street
Sioux Falls, SD 57103
Phone: 605-271-1144

STAMP
REGISTERED PROFESSIONAL ENGINEER
REC. NO. 14944
JASON R. GOTTMALT
SOUTH DAKOTA
08-18-2026

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

Drawing Title
FIRST FLOOR PIPING PLAN

Approved:

Phase

Project Title
RENOVATE FIRST FLOOR FOR
NEW KITCHEN FOR THE SIOUX
FALLS VA MEDICAL CENTER

Location
SIOUX FALLS, SOUTH DAKOTA

Issue Date
08-18-2026

Checked
JG

Drawn
ECTM

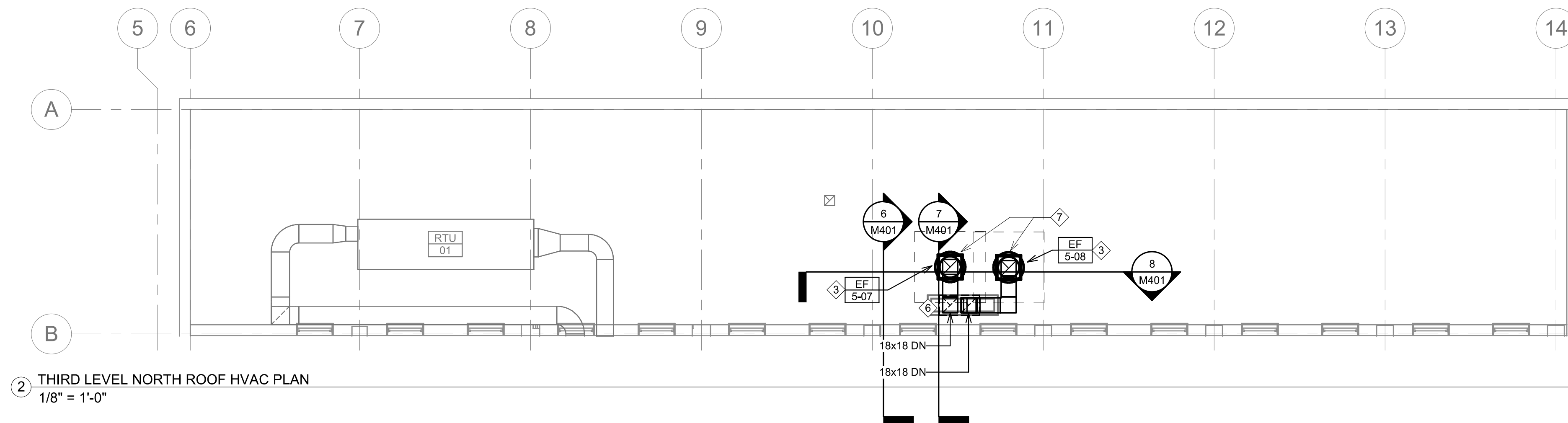
Project Number
VA #438-21-403
SGA #201956

Building Number
5

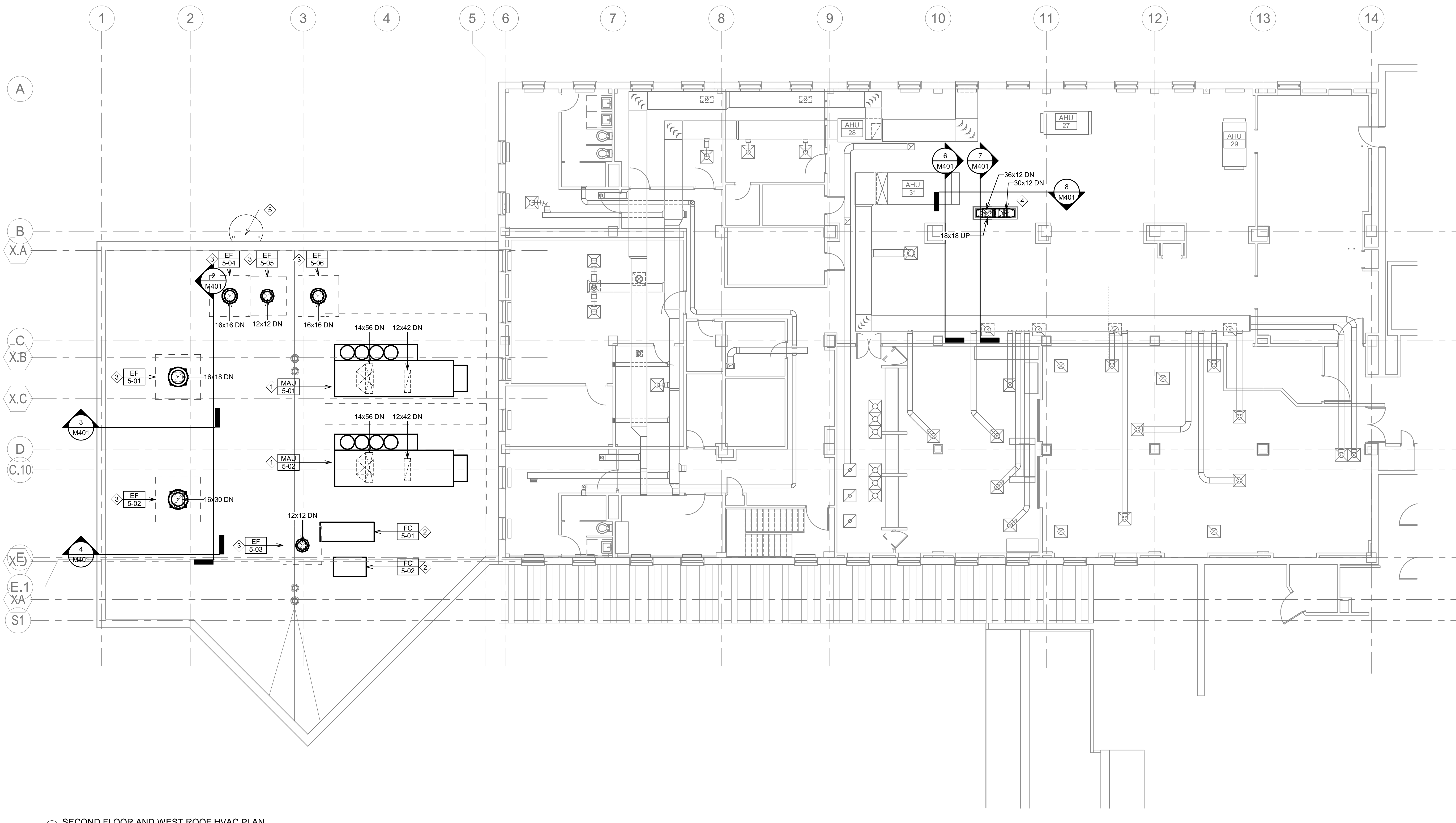
Drawing Number
MP101

KEYPLAN
NTS





2 THIRD LEVEL NORTH ROOF HVAC PLAN
1/8" = 1'-0"



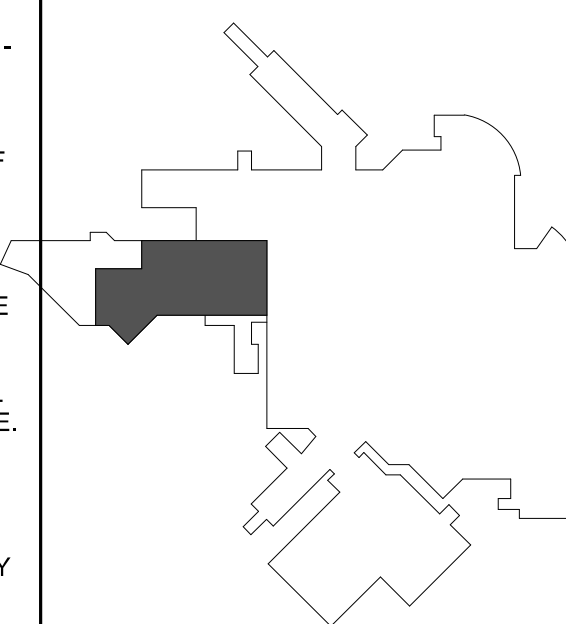
1 SECOND FLOOR AND WEST ROOF HVAC PLAN
1/8" = 1'-0"

- GENERAL NOTES:

- A. MECHANICAL CONTRACTOR SHALL REFER TO THE VA MASTER SPECIFICATION MANUAL EDITED FOR THIS PROJECT ALONG WITH ANY APPLICABLE STANDARDS WITHIN THE VA DESIGN GUIDE. ALL REQUIREMENTS OF THESE MANUALS SHALL BE MAINTAINED IN ADDITION TO ALL NOTES AND DESCRIPTIONS INDICATED WITHIN THESE DRAWINGS. ANY CONFLICTS BETWEEN THOSE DOCUMENTS SHOULD BE REFERRED TO THE ATTENTION OF THE ENGINEER FOR INTERPRETATION.
- B. MECHANICAL CONTRACTOR WILL BE RESPONSIBLE TO REVIEW ACCESSIBILITY TO AREAS OUTSIDE THE CONSTRUCTION LIMITS TO DETERMINE APPROXIMATE AMOUNT OF OVERTIME REQUIRED TO PERFORM THE MECHANICAL WORK. THE CONTRACTOR SHALL BE AWARE 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 DRAWING 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 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 THE 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 WITH THE PREVENTION OF THE CONTRACTOR SHALL BE REFERRED TO THE ATTENTION OF THE ARCHITECT/ENGINEER OF RECORD. PROVIDE ALL OFFSETS & TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
- F. COORDINATE ALL ROUTING OF DUCT/WIPING WITH ALL OTHER TRADES TO ENSURE ADEQUATE CLEARANCES FOR ELECTRICAL CONDUIT, HVAC DUCTWORK & PIPING, STRUCTURAL SUPPORTS, ETC. ANY CONFLICTS SHALL BE CONFIRMED TO THE ARCHITECT/ENGINEER OF RECORD. THE ARCHITECT/ENGINEER OF RECORD, PROVIDE ALL OFFSETS & TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
- G. THE EXACT LOCATION OF EQUIPMENT ROUGHINS SHALL BE VERIFIED WITH THE STAMPED APPROVED SHOP DRAWINGS PRIOR TO ANY FIELD INSTALLATION.
- H. ALL CORE DRILLING OR ANY ACTIVITIES CAUSING EXTREME VIBRATION SHALL BE COORDINATED TO BE COMPLETED AFTER NORMAL 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 CAPABLE WILL BE PROTECTED TO REMAIN IN PLACE. MEDIA TO PROTECT EXISTING DUCT SYSTEMS FROM CONSTRUCTION DEBRIS. ALL NEW DUCTWORK SHALL BE PROTECTED AS REQUIRED AND CLEANED PRIOR TO START-UP. THE CONTRACTOR SHALL BE RESPONSIBLE TO UNPROTECTED DUCTWORK THAN 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 PROTECTIVE MEASURES TO PREVENT CONTAMINATION. IF NECESSARY CONSULT WITH VA, OR ENGINEER OF RECORD, FOR SUGGESTED METHODS THAT MAY BE UTILIZED TO ELIMINATE CONTAMINATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL EACH ENTRANCE TO THE CONSTRUCTION ZONE AND MONITORED DAILY TO INSURE A CONSTANT NEGATIVE PRESSURE THROUGHOUT THROUGHOUT THE CONSTRUCTION. 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 GYPSUM BOARD AREAS ABOVE EXISTING CEILING SHALL BE COORDINATED WITH VA FACILITIES 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 WORK SHALL BE PERFORMED UNDER THE PROTECTED AREAS. PROVIDE 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 NOTICED WITHIN THE RECORD DRAWINGS.

KEY NOTES:

- ① MAKE-UP AIR UNIT TO BE INSTALLED ONTO A 36" HIGH CURB (FURNISHED BY MANUFACTURER / INSTALLED BY CONTRACTOR). HIGH CURB SHALL BE ABOVE TRANSITION OF DUCTWORK FROM ROOF PENETRATION TO EXISTING ROOF. PROVIDE 18" MINIMUM CONNECTION POINTS ON UNIT. MECHANICAL CONTRACTOR TO SUBMIT DUCT FABRICATION DRAWINGS ALONG WITH MAU SUBMITTALS TO VERIFY THAT CURB HEIGHT IS SUFFICIENT FOR THAT TRANSITION TO VERIFY THAT FIBER GLASS INSULATION IS NOT EXPOSED TO WEATHER.
- ② DRY COOLER TO BE INSTALLED ON PAIR OF RAELS FURNISHED BY MANUFACTURER. CONTRACTOR TO PROVIDE 18" MINIMUM CONNECTION POINTS TO EXISTING ROOF. CONTRACTOR IF REQUIRED TO MAINTAIN ANY PREVIOUSLY EXISTING ROOFING WARRANTIES, COORDINATE FLASHING DETAIL COMPLETELY ALONG ALL SIDES OF SUPPORT RAELS AS REQUIRED.
- ③ ALL EXHAUST FANS SHALL BE UPBLAST TYPE WITH 16" HIGH CURBS. CONTRACTOR SHALL PROVIDE HIGH CURBS WITH 18" MINIMUM CONNECTION POINTS FROM ROOF LEVEL FOR PERIODIC CLEANING PURPOSES. INCLUDE BURGLAR BARS INSTALLED AT ROOF PENETRATION FOR FALL PROTECTION. CONTRACTOR SHALL PROVIDE 18" MINIMUM CONNECTION POINTS (E-505, E-6) SHALL BE INSTALLED AT LEAST 15" FROM ROOF EDGE. PROVIDE SAE TYPE-TIE-OFF POINTS FOR SERVICE OF THREE(3) FANS MOUNTED CLOSER THAN THAT DIMENSION.
- ④ ROUTE GREASE EXHAUST DUCT THROUGH SECOND FLOOR SPACE TO EXISTING ROOF. CONTRACTOR SHALL PROVIDE 18" MINIMUM CONNECTION POINTS AROUND ALL DUCTWORK ABOVE FIRST FLOOR BELOW. INCLUDE MANUFACTURER INSTALLATION DETAILS AT FLOOR AND ROOF PENETRATION. CONTRACTOR SHALL PROVIDE 18" MINIMUM CONNECTION POINTS REQUIRED FOR DUCT CLEANING (TOTAL OF 4 ON EACH SIDE) 2 PIER RISER NEAR FLOOR AND ROOF PENETRATIONS).
- ⑤ CONTRACTOR SHALL NOTE THAT THE ONLY CURRENT ACCESS TO THIS AREA OF ROOF IS VIA A VERTICAL LADDER SECURED TO SIDE OF ROOF. CONTRACTOR TO APPROVE LADDER LOCATION TO ANOTHER SMALL ROOF APPROXIMATELY 15' BELOW.
- ⑥ ROUTE EXHAUST DUCTS THROUGH EXISTING ROOF CURB. PROVIDE INSULATED FLOOR PLATE AND SEAL OPENING AROUND DUCTS. NOTE THAT DUCTWORK SHOWN TRANSITIONING HORIZONTALLY ABOVE ROOF SHALL BE SUPPLIED WITH 18" MINIMUM CONNECTION POINTS. BOARD INSULATION COVERED WITH VENTUREX® EXTERIOR METAL LINER TO PROTECT AGAINST BOTH WEATHER AND PHYSICAL DAMAGE.
- ⑦ GREASE HOOD EXHAUST FANS SHALL BE INSTALLED AT LEAST 15' FROM ROOF EDGE, AND 6" FROM EXTERIOR BUILDING WALL. CONTRACTOR SHALL PROVIDE 18" MINIMUM CONNECTION POINTS. CONTRACTOR SHALL PROVIDE 18" MINIMUM CONNECTION POINTS (E-505, E-6) SHALL BE INSTALLED AT LEAST 15" FROM ROOF EDGE. PROVIDE SAE TYPE-TIE-OFF POINTS FOR SERVICE OF THREE(3) FANS MOUNTED CLOSER THAN THAT DIMENSION.



KEYPLAN



1	ISSUE SET	08/18/2026
Revision#	Description	Date:

ARCHITECT OF RECORD



STONE GROUP
ARCHITECTS

Stone Group Architects, Inc.
600 East 7th Street
Sioux Falls, SD 57103
Phone: 605-271-1144

STAMP

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 14944
JASON R. GOTTFWALT
BY DATE 08-18-2026

Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title	SECOND FLOOR AND ROOF HVAC PLAN
Approved:	

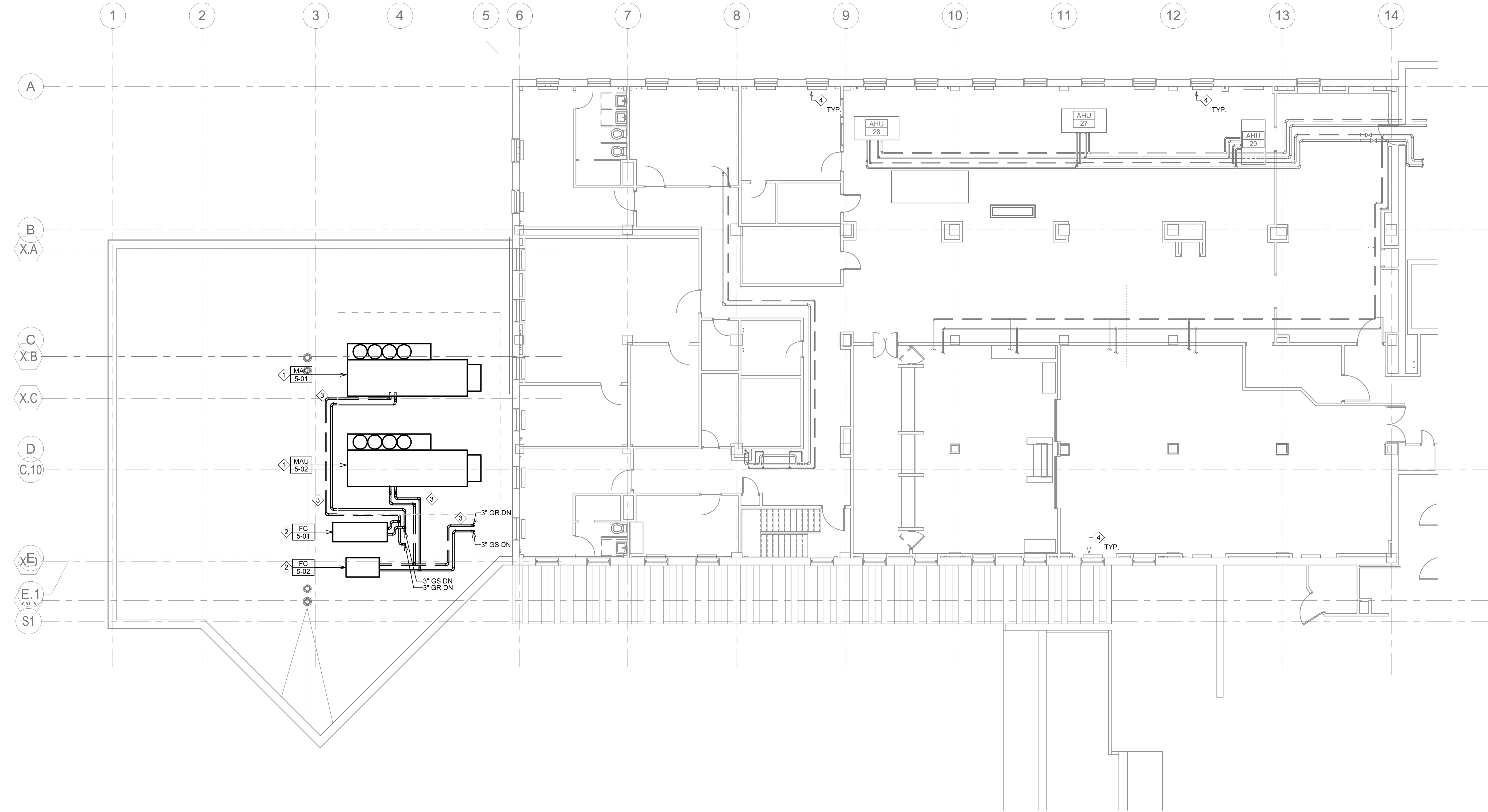
Phase	Project Title		Project Number
	RENOVATE FIRST FLOOR FOR NEW KITCHEN FOR THE SIOUX FALLS VA MEDICAL CENTER		VA #438-21-403 SGA #201956
	Location		Building Number
	SIOUX FALLS, SOUTH DAKOTA		5
	Issue Date	Checked	Drawing Number
	08-18-2026	JG	MH201
		Drawn	
		EC/TM	

GENERAL NOTES:

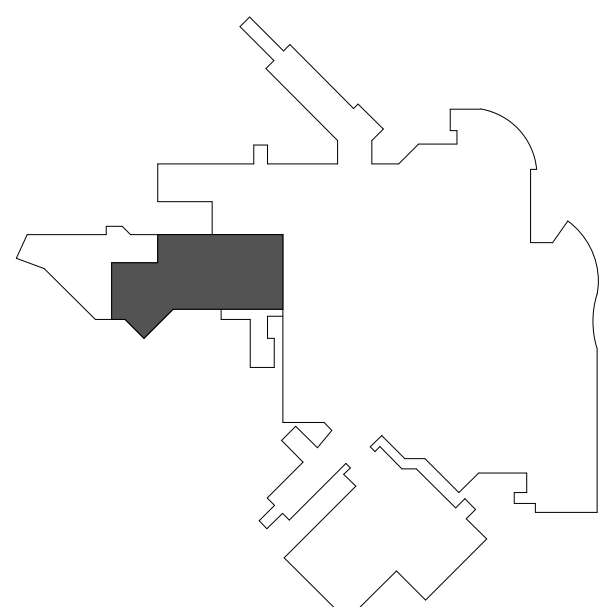
- A. CONTRACTOR SHALL REFER TO THE VA MASTER SPECIFICATION MANUAL, EDITED FOR THIS PROJECT ALONG WITH ANY APPLICABLE STANDARDS WITHIN THE VA DESIGN GUIDES. ALL REQUIREMENTS OF THOSE MANUALS SHALL BE MAINTAINED IN ADDITION TO ALL NOTES AND DESCRIPTIONS INDICATED WITHIN THESE DRAWINGS. ANY CONFLICTS BETWEEN 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. SUPPORT ALL PIPING DIRECTLY TO STRUCTURE. DO NOT SUPPORT ANY PIPING FROM DUCTWORK, CONDUIT OR OTHER PIPING ENCOUNTERED.
- G. 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.
- H. ALL EXISTING PIPING THROUGH NEW FIRE RATED WALLS SHALL BE ADEQUATELY FIRE SEALED AS REQUIRED. PIPING PENETRATIONS THROUGH INTERSTITIAL FLOOR SHALL BE DRILLED OR CUT BY THE CONTRACTOR AND FIRE SEALED AS REQUIRED.
- I. 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.
- J. THE SMALLEST ALLOWABLE PIPE SIZE FOR HEATING WATER SUPPLY AND RETURN WILL BE 3/4" DIAMETER. UNLESS NOTED OTHERWISE, HEATING WATER SUPPLY AND RETURN PIPING TAKE-OFFS TO INDIVIDUAL REHEAT COILS SHALL BE A MINIMUM OF 3/4" DIAMETER.
- K. PROVIDE 1/2" DRAIN VALVE AT NEW HEATING WATER SUPPLY AND RETURN PIPE LOWPOINTS, DOWNSTREAM OF ISOLATION VALVES. LARGER EQUIPMENT SUCH AS AHU COILS AND HEAT EXCHANGERS SHALL BE PROVIDED WITH LARGER 2" DRAINS TO EXPEDITE PROCESS.
- L. ALL STEAM PIPING TAKE-OFFS TO INDIVIDUAL PIECES OF EQUIPMENT SHALL BE OFF THE TOP OF STEAM MAINS. HEATING WATER SUPPLY AND RETURN PIPING TAKE-OFFS SHALL ALSO BE OFF THE TOP OR SIDE OF PIPING WHEREVER POSSIBLE.
- M. THERMOSTATS AND HUMIDISTATS SHOWN ARE ALL TO BE NEW DDC DEVICES AND BE INTEGRATED INTO BAS BY THE CONTROL CONTRACTOR. EXISTING PNEUMATIC DEVICES NO LONGER IN USE SHALL HAVE ALL TUBING REMOVED COMPLETELY.
- N. ALL CONTRACTORS TO REFERENCE THE INFECTION CONTROL NOTES IDENTIFIED WITHIN THE VENTILATION GENERAL NOTES ON THESE DRAWINGS. CONFORM TO ALL ICRA REQUIREMENTS.
- O. CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ALL DISCREPANCIES WITH ANY EXISTING PIPING INDICATED OR REVISIONS TO THE HVAC PIPING LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN THE FINAL RECORD DRAWING SET.

KEY NOTES:

- ① MAKE-UP AIR UNIT.
- ② DRY COOLER.
- ③ SUPPORT PIPING ON ROOF AT MAXIMUM 5'-0" SPACING AND AT CHANGE IN DIRECTION.
- ④ EXISTING STEAM RADIATORS AT WINDOWS TO REMAIN. OPERATION OF STEAM RADIATORS TO PROVIDE TEMPORARY HEAT TO SHELL SPACE.



② SECOND FLOOR PIPING PLAN
1/8" = 1'-0"



KEYPLAN
NTS



Revision#	Issue Set	Date
1	ISSUE SET	08/18/2026
	Description	Date:

CONSULTANTS

CIVIL:
Ulteig
Ulteig Engineers, Inc.
5701 South Corporate Place
Sioux Falls, SD 57105
Phone: 605-323-2306

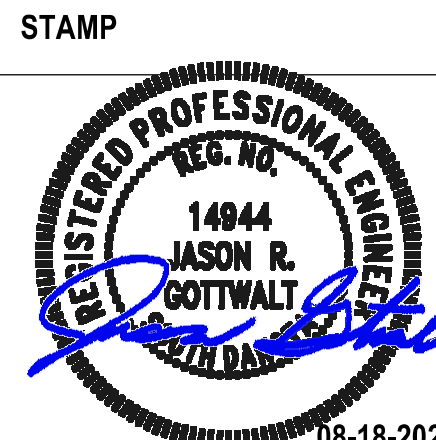
STRUCTURAL:
ERA
ERICKSEN ROED
Ericksen Roed Associates
2550 University Ave W
Suite 423-S
St. Paul, MN 55402
Phone: 651-251-7570

MEP:
DUNHAM
Dunham Associates, Inc.
50 South Sixth St
Suite 1100
Minneapolis, MN 55402
Phone: 612-465-7550

FOOD SERVICE:
RIPPE ASSOCIATES
Foodservice Design + Consulting
Rippe Associates
10400 Yellow Circle Dr
Suite 100
Minneapolis, MN 55343
Phone: 952-933-0313

ARCHITECT OF RECORD

STONE GROUP
ARCHITECTS
Stone Group Architects, Inc.
600 East 7th Street
Sioux Falls, SD 57103
Phone: 605-271-1144



Office of
Construction
and Facilities
Management



U.S. Department
of Veterans Affairs

Drawing Title
SECOND FLOOR PIPING PLAN

Approved:

Phase

Project Title
RENOVATE FIRST FLOOR FOR
NEW KITCHEN FOR THE SIOUX
FALLS VA MEDICAL CENTER

Location
SIOUX FALLS, SOUTH DAKOTA

Issue Date
08-18-2026

Checked
JG

Drawn
ECTM

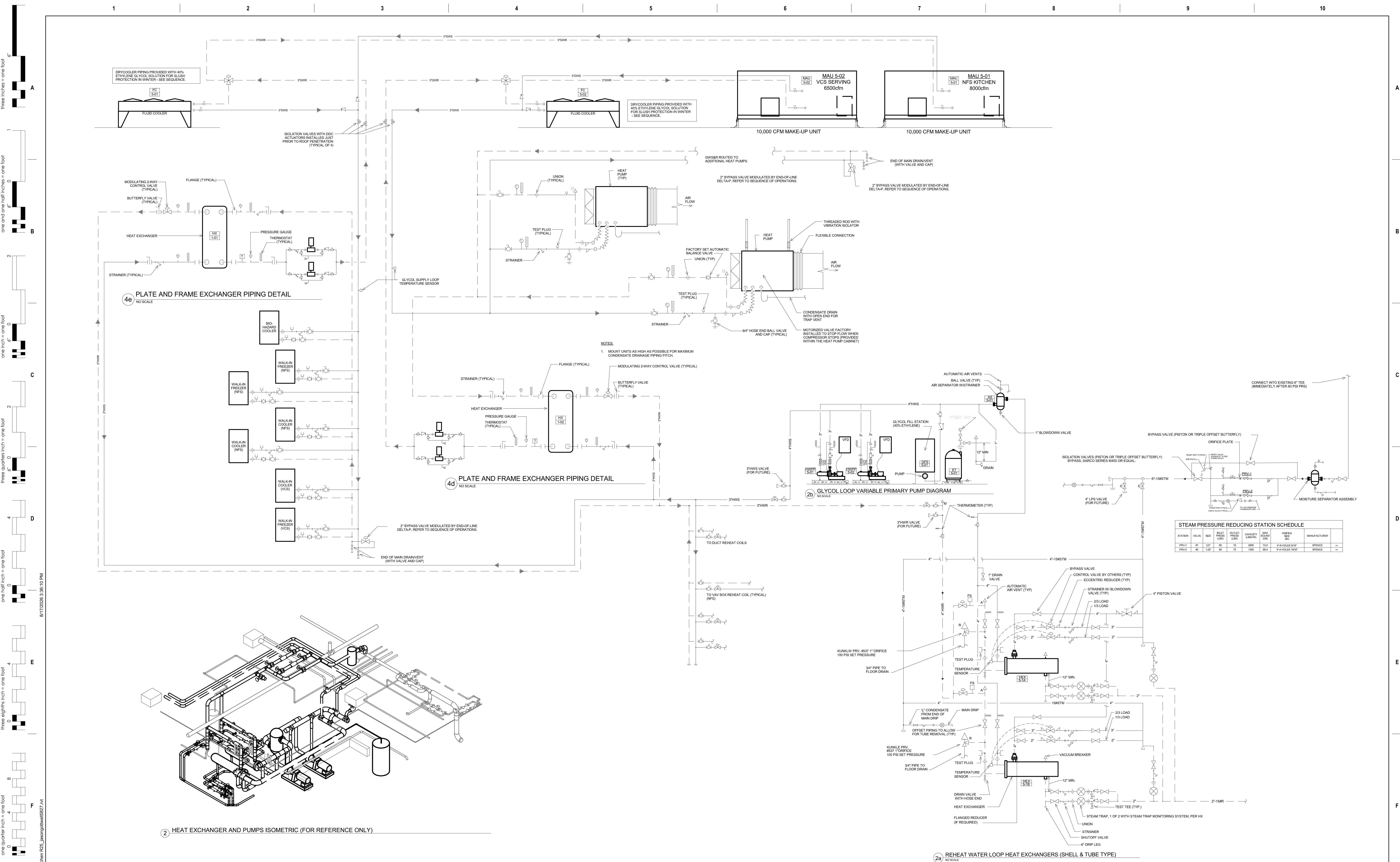
Project Number
VA #438-21-403
SGA #201956

Building Number
5

Drawing Number

MP201

C:\Users\jgottwalt\Documents\10 - Renovate New Kitchen F22_jasonphtwall3827.rvt 8/17/2026 3:36:08 PM



1

ISSUE SET

08/18/2026

Revision#

Description

Date:

CONSULTANTS

CIVIL:
Ulteig
Ulteig Engineers, Inc.
5701 South Corporate Place
Sioux Falls, SD 57108
Phone: 605-323-2306

STRUCTURAL:
ERA
ERICKSEN ROED
2550 University Ave W
Suite 423-S
St. Paul, MN 55402
Phone: 612-251-7570

MEP:
DUNHAM
Dunham Associates, Inc.
30 South Sixth St
Suite 100
Minneapolis, MN 55402
Phone: 612-465-7550

FOOD SERVICE:
RIPPE ASSOCIATES
Foodservice Design + Consulting
Rippe Associates
10400 Yellow Circle Dr
Suite 100
Minneapolis, MN 55343
Phone: 952-933-0313

ARCHITECT OF RECORD

STONE GROUP
ARCHITECTS
Stone Group Architects, Inc.
600 East 7th Street
Sioux Falls, SD 57103
Phone: 605-271-1144

STAMP

14944
JASON R. GOTTMALT
REGISTERED PROFESSIONAL ENGINEER
08-18-2026

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

PIPING FLOW DIAGRAM AND DETAILS

Approved:

Phase

Project Title

RENOVATE FIRST FLOOR FOR NEW KITCHEN FOR THE SIOUX FALLS VA MEDICAL CENTER

Location

SIOUX FALLS, SOUTH DAKOTA

Issue Date

08-18-2026

Checked

JG

Drawn

EC/TM

Project Number

**VA #438-21-403
SGA #201956**

Building Number

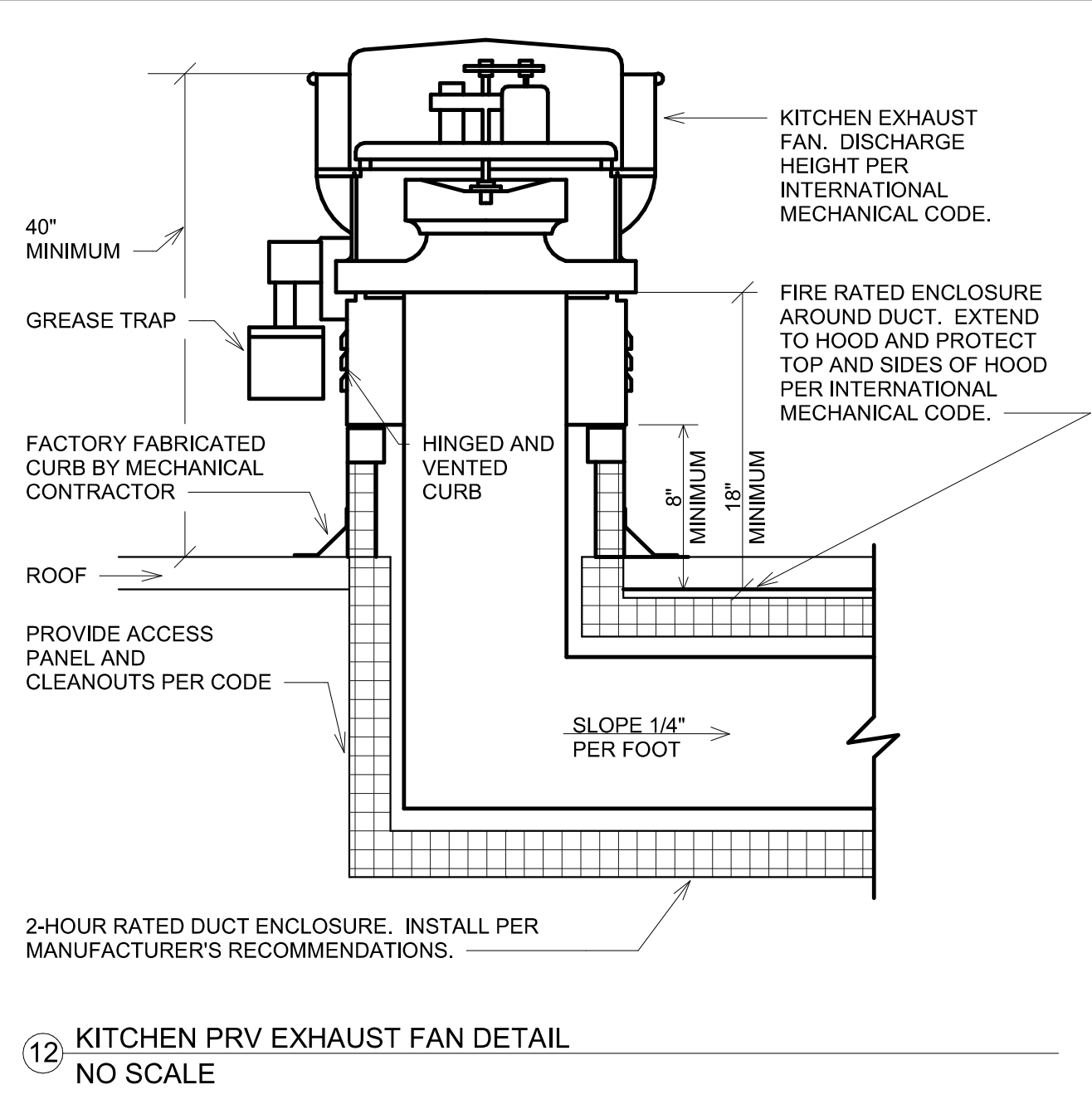
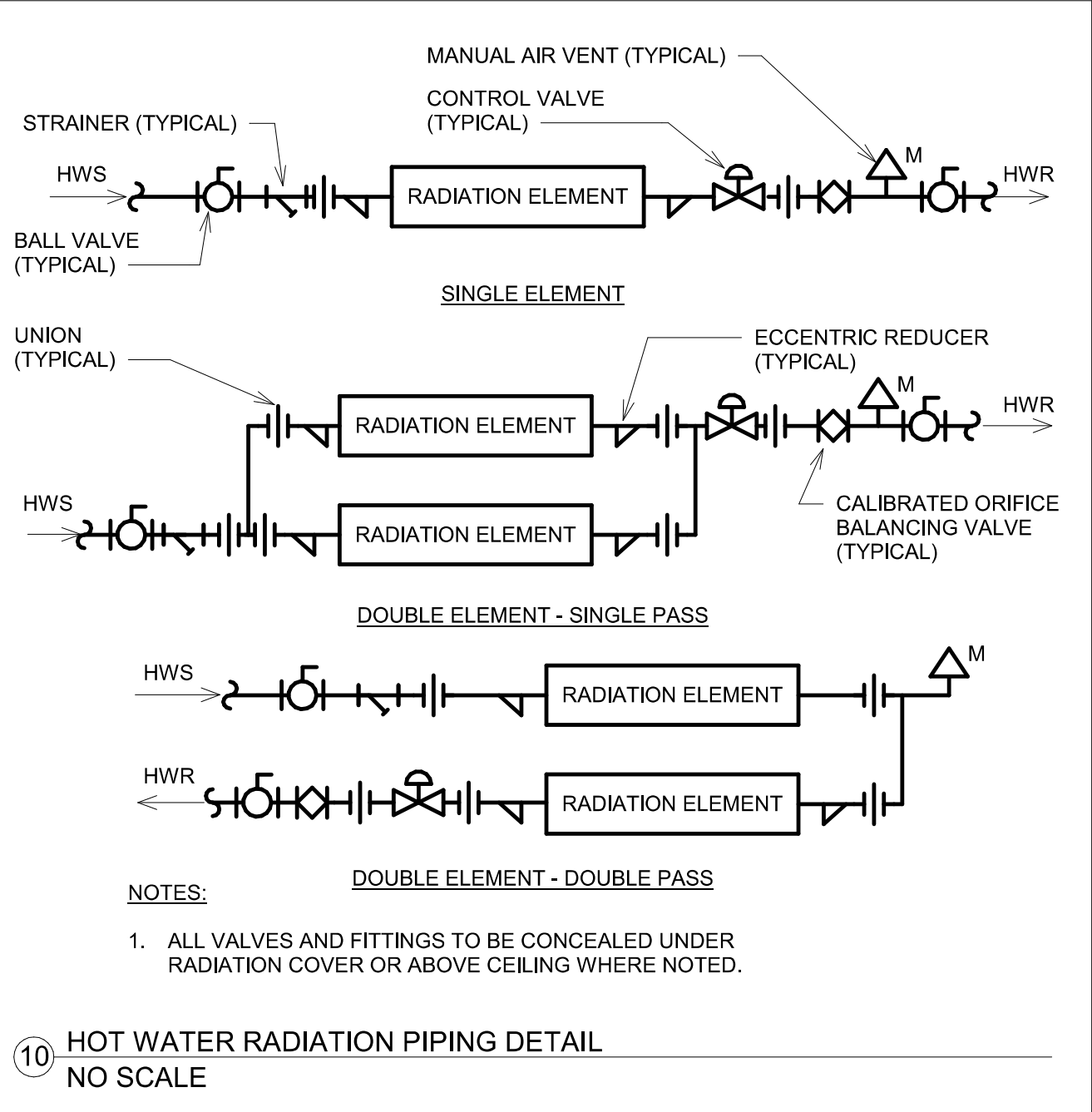
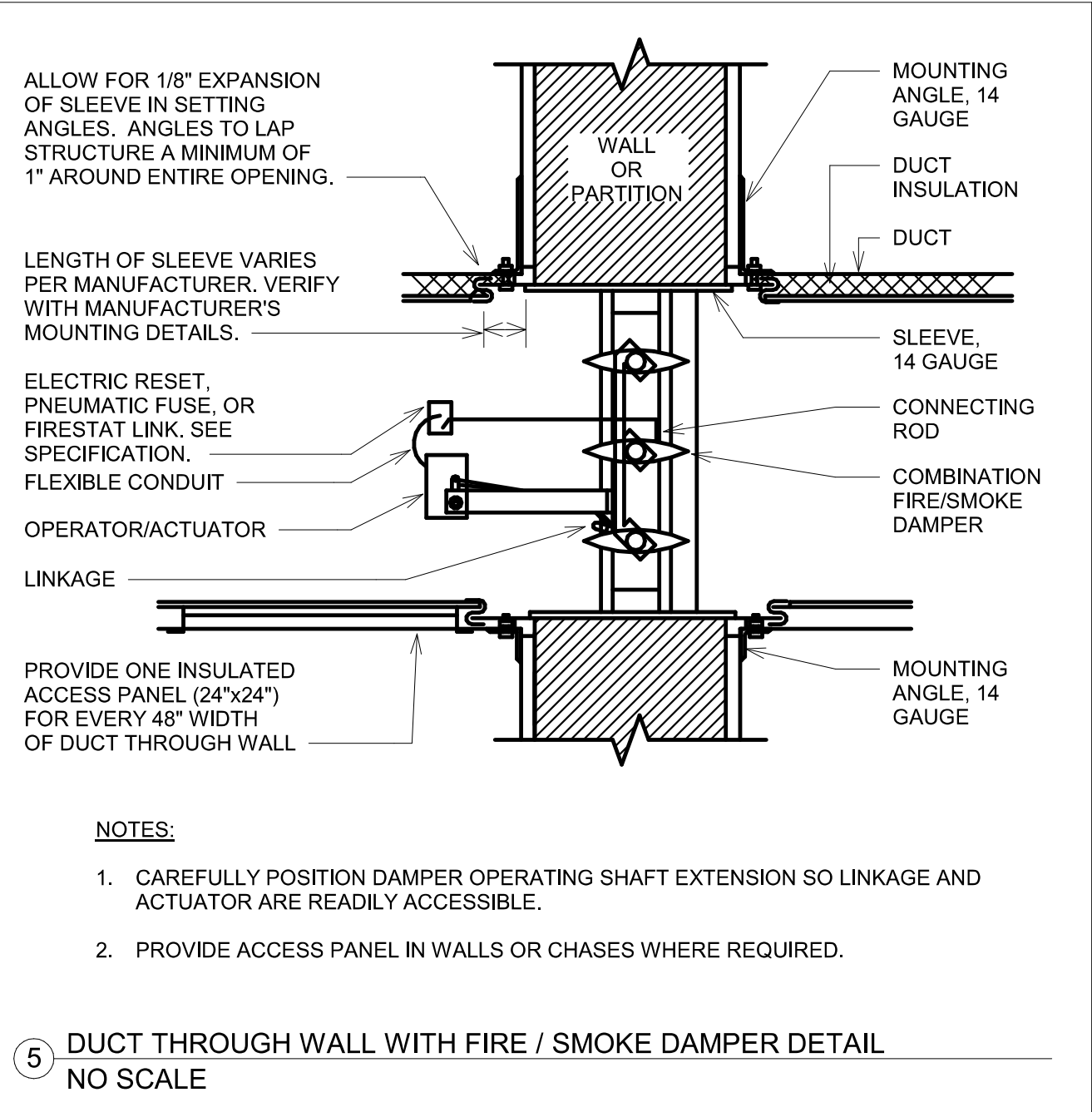
5

Drawing Number

M300



Project Number VA #438-21-403 SGA #201956
Building Number 5
Drawing Number M301



Project Number VA #438-21-403 SGA #201956
Building Number 5
Drawing Number M400