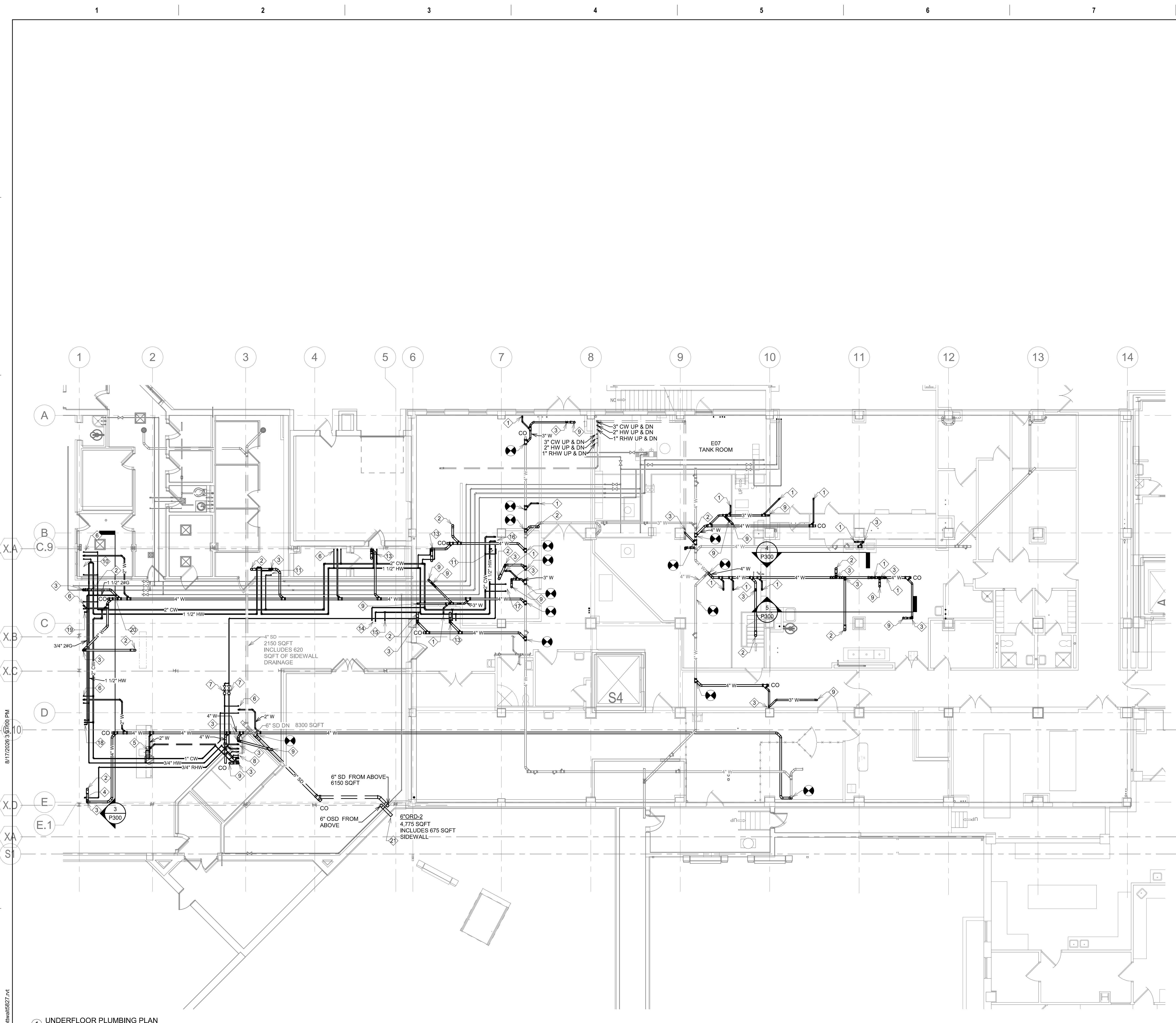


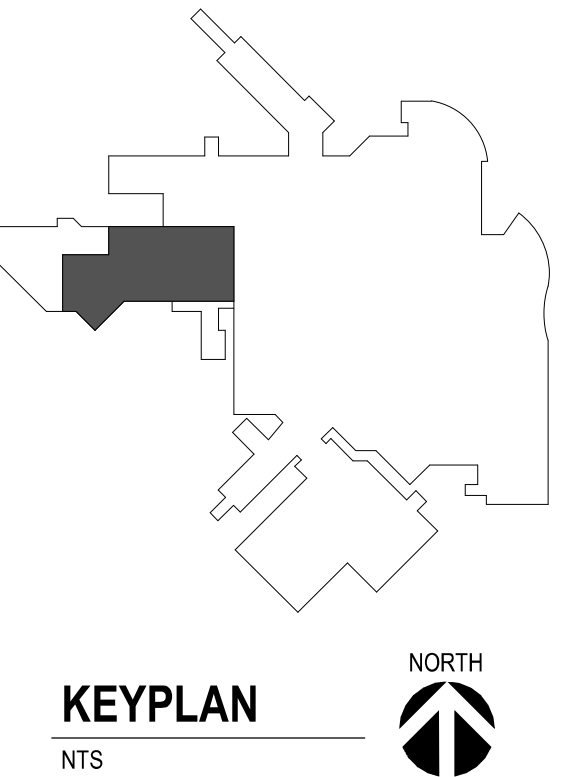
three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



- KEY NOTES:**
- 1 2" WASTE FROM ABOVE.
 - 2 4" WASTE FROM ABOVE.
 - 3 2" VENT UP.
 - 4 3/4" RECIRCULATING HOT WATER FROM ABOVE.
 - 5 1/2" HOT WATER UP, 1/2" COLD WATER UP, 2" WASTE FROM ABOVE AND 2" VENT FROM ABOVE.
 - 6 1/2" HOT WATER UP, 1/2" COLD WATER UP, AND 2" WASTE FROM ABOVE.
 - 7 PROVIDE IN THE DIRECTION OF FLOW, CIRCUIT BALANCING VALVE AND ISOLATION SHUTOFF VALVE, BALANCE TO 1 GPM.
 - 8 (2) 1/2" HOT WATER UP, 1/2" COLD WATER UP, 3/4" COLD WATER UP, AND (2) 2" WASTE FROM ABOVE.
 - 9 3" WASTE FROM ABOVE.
 - 10 1/2" COLD WATER UP.
 - 11 1/2" COLD WATER UP AND 1/2" HOT WATER UP.
 - 12 3/4" COLD WATER UP AND 1/2" HOT WATER UP.
 - 13 1/2" HOT WATER UP, 1/2" COLD WATER UP, 4" WASTE FROM ABOVE AND 2" VENT FROM ABOVE.
 - 14 1" HOT WATER UP AND 1" COLD WATER UP.
 - 15 1/2" HOT WATER UP.
 - 16 x/x" HOT WATER FROM ABOVE, x/x" COLD WATER FROM ABOVE, x/x" RECIRCULATING WATER UP.
 - 17 3/4" COLD WATER UP AND 3/4" HOT WATER UP.
 - 18 3/4" HOT WATER UP, 1" COLD WATER UP, AND 3/4" NATURAL GAS UP.
 - 19 3/4" NATURAL GAS UP.
 - 20 REFER TO 1/M001 FOR CONTINUATION OF NATURAL GAS PIPING.
 - 21 PROVIDE CAST BRONZE 6" DOWNSPOUT NOZZLE, JOSAM MODEL 25016-2 OR EQUAL, CORE DRILL EXTERIOR WALL AS REQUIRED AND SEAL AROUND DOWNSPOUT NOZZLE AS REQUIRED.

- 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 PLUMBING PIPING 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.
 - 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 WITHIN ADJACENT AREAS. COORDINATE WITH VA REPRESENTATIVE AS REQUIRED.
 - J. FIELD VERIFY EXISTING WATER, WASTE, VENT OR OTHER PIPING SYSTEMS FOR CONNECTIONS TO FIXTURES THAT MAY NOT BE IDENTIFIED ON PLANS PRIOR TO SERVICE OUTAGES, DEMOLITION OR ALTERATIONS OF EXISTING PIPE ROUTING. COORDINATE UNKNOWN SERVICE WITH FACILITIES AND ENGINEER OF RECORD.
 - K. CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ALL DISCREPANCIES WITH ANY EXISTING PIPING INDICATED OR REVISIONS TO THE NEW PLUMBING OR FIRE PROTECTION LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN THE FINAL RECORD DRAWING SET.
 - L. ALL CONTRACTORS TO REFERENCE THE INFECTION CONTROL NOTES IDENTIFIED WITHIN THE VENTILATION GENERAL NOTES ON THESE DRAWINGS. CONFORM TO ALL ICRA REQUIREMENTS.
 - M. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL PIPING, FITTINGS, VALVES & ACCESSORIES AS REQUIRED FOR INSTALLATION OF OWNER PROVIDED EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
 - N. REFER TO PLUMBING FIXTURE SCHEDULE AND PLUMBING RISER DIAGRAMS FOR INDIVIDUAL BRANCH SIZES TO FIXTURES.
 - O. ALL VALVES TO BE LOCATED ABOVE LAY-IN CEILING FOR ACCESSIBILITY. WHERE VALVES MUST BE LOCATED ABOVE GYPSUM BOARD CEILINGS, MECHANICAL CONTRACTOR SHALL COORDINATE LOCATIONS OF 24"x24" ACCESS PANELS WITH GENERAL CONTRACTOR.
 - P. PROVIDE CLEANOUTS AT BASE OF EVERY STORM DRAIN LEADER.

1 UNDERFLOOR PLUMBING PLAN
1/8" = 1'-0"



CONSULTANTS		ARCHITECT OF RECORD		Office of Construction and Facilities Management		Project Title		Project Number	
CIVIL: Ulteig Ulteig Engineers, Inc. 5701 South Corporate Place Sioux Falls, SD 57105 Phone: 605-323-2306	STRUCTURAL: ERA ERICKSEN ROED Erickson Reed Associates 2550 University Ave W Suite 423-S St. Paul, MN 55402 Phone: 612-251-7570	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	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 VA U.S. Department of Veterans Affairs	RENOVATE FIRST FLOOR FOR NEW KITCHEN FOR THE SIOUX FALLS VA MEDICAL CENTER		VA #438-21-403 SGA #201956	
Revision# Description		Issue Date		Approved:		Location		Drawing Number	
1 ISSUE SET		08/18/2026		[Signature]		SIOUX FALLS, SOUTH DAKOTA		P001	
						Issue Date		Checked	
						08-18-2026		JG	
								Drawn	
								ECTM	

three inches = one foot
one and one half inches = 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

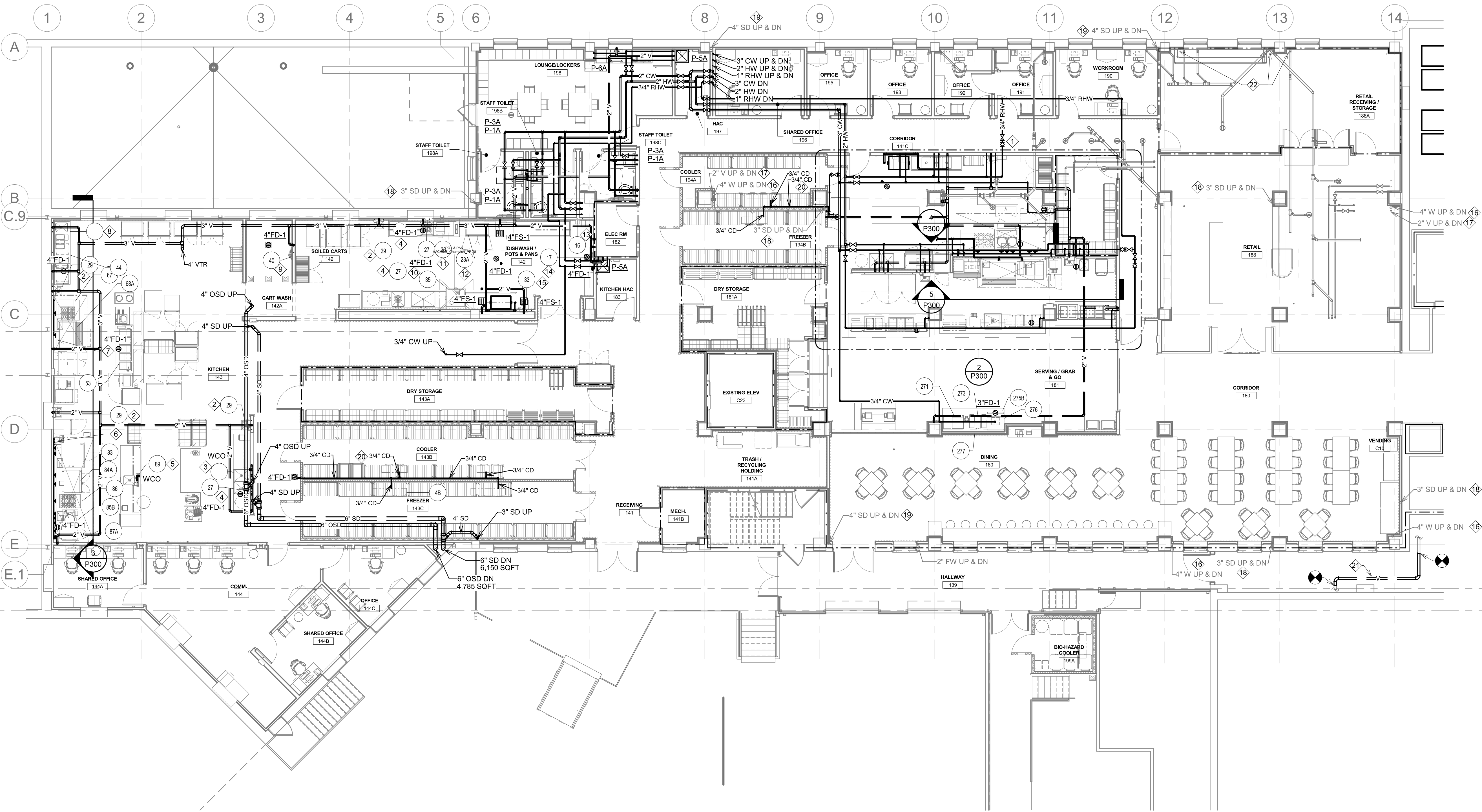
A
B
C
D
E
F

KEY NOTES:

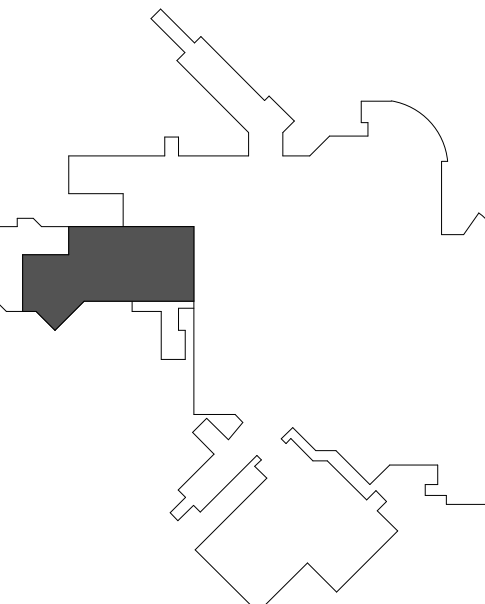
1. PROVIDE IN THE DIRECTION OF FLOW: CIRCUIT BALANCING VALVE AND ISOLATION SHUTOFF VALVE. BALANCE TO 1 GPM.
2. FOOD SERVICE VENDOR PROVIDED HAND SINK. EXTEND 1/2" CW AND 1/2" HW FROM BELOW. REFER TO FSM100 FOR ROUGH-IN SIZING.
3. FOOD SERVICE VENDOR PROVIDED 2-COMPARTMENT FOOD PREP SINK. EXTEND 1/2" CW AND 1/2" HW FROM BELOW. REFER TO FSM100 FOR ROUGH-IN SIZING.
4. FOOD SERVICE VENDOR PROVIDED SPRAYER. EXTEND 1/2" CW AND 1/2" HW FROM BELOW. REFER TO FSM100 FOR ROUGH-IN SIZING.
5. FOOD SERVICE VENDOR PROVIDED SINK. EXTEND 1/2" CW AND 1/2" HW FROM BELOW. ISLAND VENTED SINK. REFER TO FSM100 FOR ROUGH-IN SIZING.
6. FIELD FABRICATED UTILITY CHASE TO ENCLOSE 1" COLD WATER, 3/4" HOT WATER, AND 3/4" GAS FROM BELOW. PROVIDE VALVE FOR ROUGH-INS FOR EACH PIECE OF EQUIPMENT UNDER KITCHEN EXHAUST HOOD. REFER TO FSM100 FOR ROUGH-IN SIZING.
7. FIELD FABRICATED UTILITY CHASE TO ENCLOSE 3/4" GAS FROM BELOW. PROVIDE VALVE FOR ROUGH-INS FOR EACH PIECE OF EQUIPMENT UNDER KITCHEN EXHAUST HOOD. REFER TO FSM100 FOR ROUGH-IN SIZING.
8. FOOD SERVICE VENDOR PROVIDED BEVERAGE SINK. EXTEND 1/2" CW AND 1/2" HW FROM BELOW. REFER TO FSM100 FOR ROUGH-IN SIZING.
9. FOOD SERVICE VENDOR PROVIDED HOSE STATION. EXTEND 1/2" CW AND 1/2" HW FROM BELOW. REFER TO FSM100 FOR ROUGH-IN SIZING.
10. FOOD SERVICE VENDOR PROVIDED POT AND PAN DISH MACHINE. EXTEND 1-1/4" CW AND 3/4" HW FROM BELOW. REFER TO FSM100 FOR ROUGH-IN SIZING.
11. FOOD SERVICE VENDOR PROVIDED MINI WASTE XPRESS SYSTEM. EXTEND 1/2" CW AND 1/2" HW FROM BELOW. REFER TO FSM100 FOR ROUGH-IN SIZING.
12. FOOD SERVICE VENDOR PROVIDED DISHWASHER. EXTEND 1/2" HW FROM BELOW. REFER TO FSM100 FOR ROUGH-IN SIZING.
13. FOOD SERVICE VENDOR PROVIDED DETERGENT SYSTEM. EXTEND 1/2" CW AND 1/2" HW FROM BELOW. REFER TO FSM100 FOR ROUGH-IN SIZING.
14. FOOD SERVICE VENDOR PROVIDED HOSE REEL. EXTEND 1/2" CW AND 1/2" HW FROM BELOW. REFER TO FSM100 FOR ROUGH-IN SIZING.
15. 2" CW, 1-1/2" HW, AND 3/4" RHW DOWN.
16. EXISTING 4" WASTE STACK TO REMAIN. OFFSET IF REQUIRED TO FIT WITHIN NEW WALL CAVITY INDICATED. PROVIDE NEW FLOOR CORE DRILL FOR ANY OFFSET CONDITION AND PATCH OLD PENETRATION.
17. EXISTING 2" VENT STACK TO REMAIN. OFFSET IF REQUIRED TO FIT WITHIN NEW WALL CAVITY INDICATED. PROVIDE NEW FLOOR CORE DRILL FOR ANY OFFSET CONDITION AND PATCH OLD PENETRATION.
18. WITHIN CEILING SPACE OFFSET EXISTING 3" STORM DRAIN LEADER AS REQUIRED TO FIT WITHIN WALL CAVITY SHOWN. PROVIDE NEW FLOOR PENETRATION AS REQUIRED AND RECONNECT TO EXISTING SERVICE PIPING ON FLOOR BELOW.
19. EXISTING 4" STORM DRAINAGE STACK TO REMAIN. COORDINATE WITH G.C. TO ADJUST WALL FURRING IF REQUIRED.
20. ROUTE 3/4" CONDENSATE DRAIN THROUGH COOLER TO FLOOR DRAIN. SLOPE PIPING TOWARDS DRAIN.
21. ROUTE NEW VENT PIPING TO COORDINATE WITH NEW ARCHITECTURAL FEATURES. RECONNECT TO EXISTING VENT AT POINTS INDICATED. PIPE SIZE TO MATCH EXISTING.
22. EXISTING PIPING WITHIN STORAGE ROOM MAY BE LEFT EXPOSED. REPLACE ALL INSULATION FOR EXPOSED PIPING PER SPECIFICATION REQUIREMENT FOR THAT SERVICE.

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 PLUMBING PIPING 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.
- 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 WITHIN ADJACENT AREAS. COORDINATE WITH VA REPRESENTATIVE AS REQUIRED.
- J. FIELD VERIFY EXISTING WATER, WASTE, VENT OR OTHER PIPING SYSTEMS FOR CONNECTIONS TO FIXTURES THAT MAY NOT BE IDENTIFIED ON PLANS PRIOR TO SERVICE OUTAGES. DEMOLITION OR ALTERATIONS OF EXISTING PIPE ROUTING. COORDINATE UNKNOWN SERVICE WITH FACILITIES AND ENGINEER OF RECORD.
- K. CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ALL DISCREPANCIES WITH ANY EXISTING PIPING INDICATED OR REVISIONS TO THE NEW PLUMBING OR FIRE PROTECTION LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN THE FINAL RECORD DRAWING SET.
- L. ALL CONTRACTORS TO REFERENCE THE INFECTION CONTROL NOTES IDENTIFIED WITHIN THE VENTILATION GENERAL NOTES ON THESE DRAWINGS. CONFORM TO ALL ICRA REQUIREMENTS.
- M. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL PIPING, FITTINGS, VALVES & ACCESSORIES AS REQUIRED FOR INSTALLATION OF OWNER PROVIDED EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
- N. REFER TO PLUMBING FIXTURE SCHEDULE AND PLUMBING RISER DIAGRAMS FOR INDIVIDUAL BRANCH SIZES TO FIXTURES.
- O. ALL VALVES TO BE LOCATED ABOVE LAY-IN CEILING FOR ACCESSIBILITY. WHERE VALVES MUST BE LOCATED ABOVE GYPSUM BOARD CEILINGS, MECHANICAL CONTRACTOR SHALL COORDINATE LOCATIONS OF 24"x24" ACCESS PANELS WITH GENERAL CONTRACTOR.
- P. PROVIDE CLEANOUTS AT BASE OF EVERY STORM DRAIN LEADER.



1 FIRST FLOOR PLUMBING PLAN
1/8" = 1'-0"

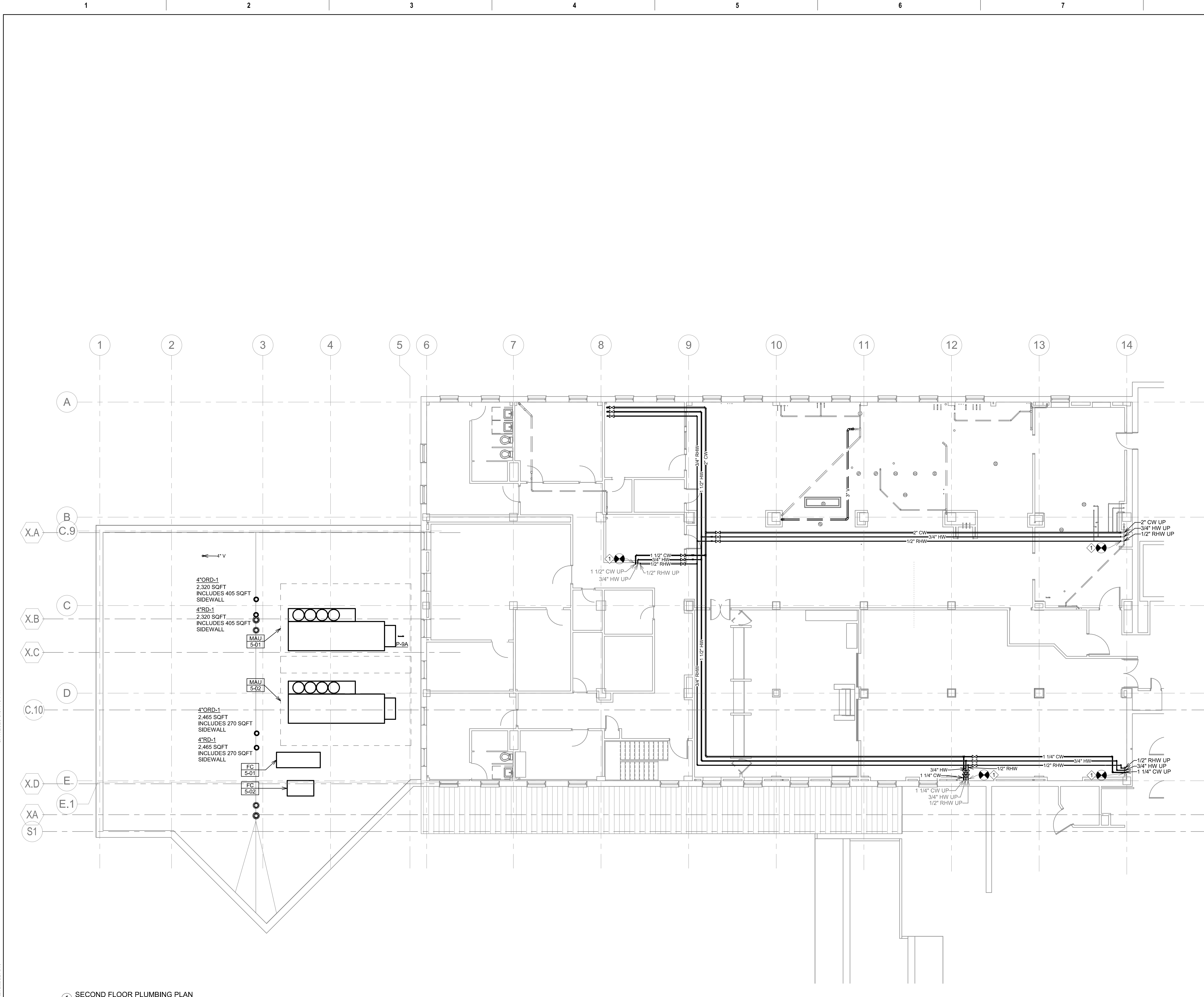


KEYPLAN
NTS

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

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

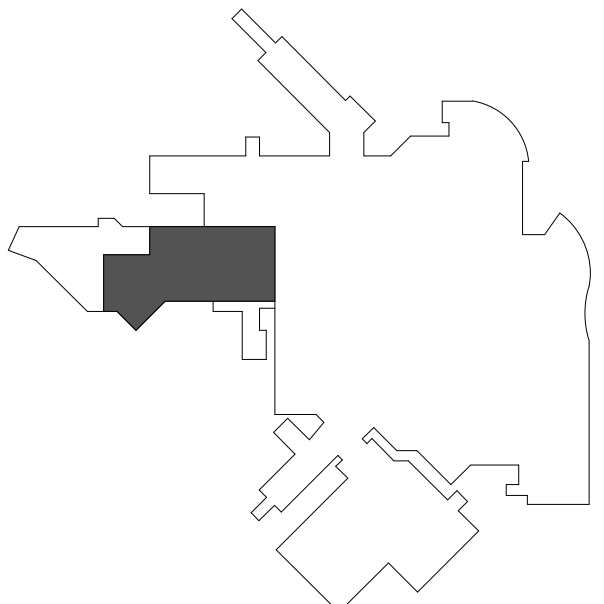
8/17/2026 3:37:10 PM
C:\Users\jason\Documents\10 - Renovate New Kitchen P22_jasonphillips27.rvt



1 SECOND FLOOR PLUMBING PLAN
1/8" = 1'-0"

- 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 PLUMBING PIPING 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.
 - 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 WITHIN ADJACENT AREAS. COORDINATE WITH VA REPRESENTATIVE AS REQUIRED.
 - J. FIELD VERIFY EXISTING WATER, WASTE, VENT OR OTHER PIPING SYSTEMS FOR CONNECTIONS TO FIXTURES THAT MAY NOT BE IDENTIFIED ON PLANS PRIOR TO SERVICE OUTAGES. DEMOLITION OR ALTERATIONS OF EXISTING PIPE ROUTING. COORDINATE UNKNOWN SERVICE WITH FACILITIES AND ENGINEER OF RECORD.
 - K. CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ALL DISCREPANCIES WITH ANY EXISTING PIPING INDICATED OR REVISIONS TO THE NEW PLUMBING OR FIRE PROTECTION LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN THE FINAL RECORD DRAWING SET.
 - L. ALL CONTRACTORS TO REFERENCE THE INFECTION CONTROL NOTES IDENTIFIED WITHIN THE VENTILATION GENERAL NOTES ON THESE DRAWINGS. CONFORM TO ALL ICRA REQUIREMENTS.
 - M. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL PIPING, FITTINGS, VALVES & ACCESSORIES AS REQUIRED FOR INSTALLATION OF OWNER PROVIDED EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
 - N. REFER TO PLUMBING FIXTURE SCHEDULE AND PLUMBING RISER DIAGRAMS FOR INDIVIDUAL BRANCH SIZES TO FIXTURES.
 - O. ALL VALVES TO BE LOCATED ABOVE LAY-IN CEILING FOR ACCESSIBILITY. WHERE VALVES MUST BE LOCATED ABOVE GYPSUM BOARD CEILINGS, MECHANICAL CONTRACTOR SHALL COORDINATE LOCATIONS OF 24"x24" ACCESS PANELS WITH GENERAL CONTRACTOR.
 - P. PROVIDE CLEANOUTS AT BASE OF EVERY STORM DRAIN LEADER.

- KEY NOTES:**
- 1. EXTEND DOMESTIC COLD WATER, DOMESTIC HOT WATER, AND RECIRCULATING HOT WATER TO EXISTING DOMESTIC WATER RISERS THAT SERVE LEVELS ABOVE. CONTRACTOR SHALL NOT DEMOLISH EXISTING PIPING UNTIL THIS NEW PIPING IS IN POSITION FOR SWITCH-OVER DURING OVERTIME OUTAGE NOT TO EXCEED 8 HOURS IN DURATION. COORDINATE THIS OUTAGE AFFECTING FLOORS ABOVE AT LEAST 4-WEEKS IN ADVANCE TO ALLOW VA FACILITIES TO PROVIDE TEMPORARY SERVICES AND PRECAUTIONS AS REQUIRED.



KEYPLAN
NTS



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

CONSULTANTS

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

STRUCTURAL:
ERA ERICKSEN ROED
Erickson Reed Associates
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 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. GOTTWALT
SOUTH DAKOTA
08-18-2026

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
SECOND FLOOR AND ROOF PLUMBING 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

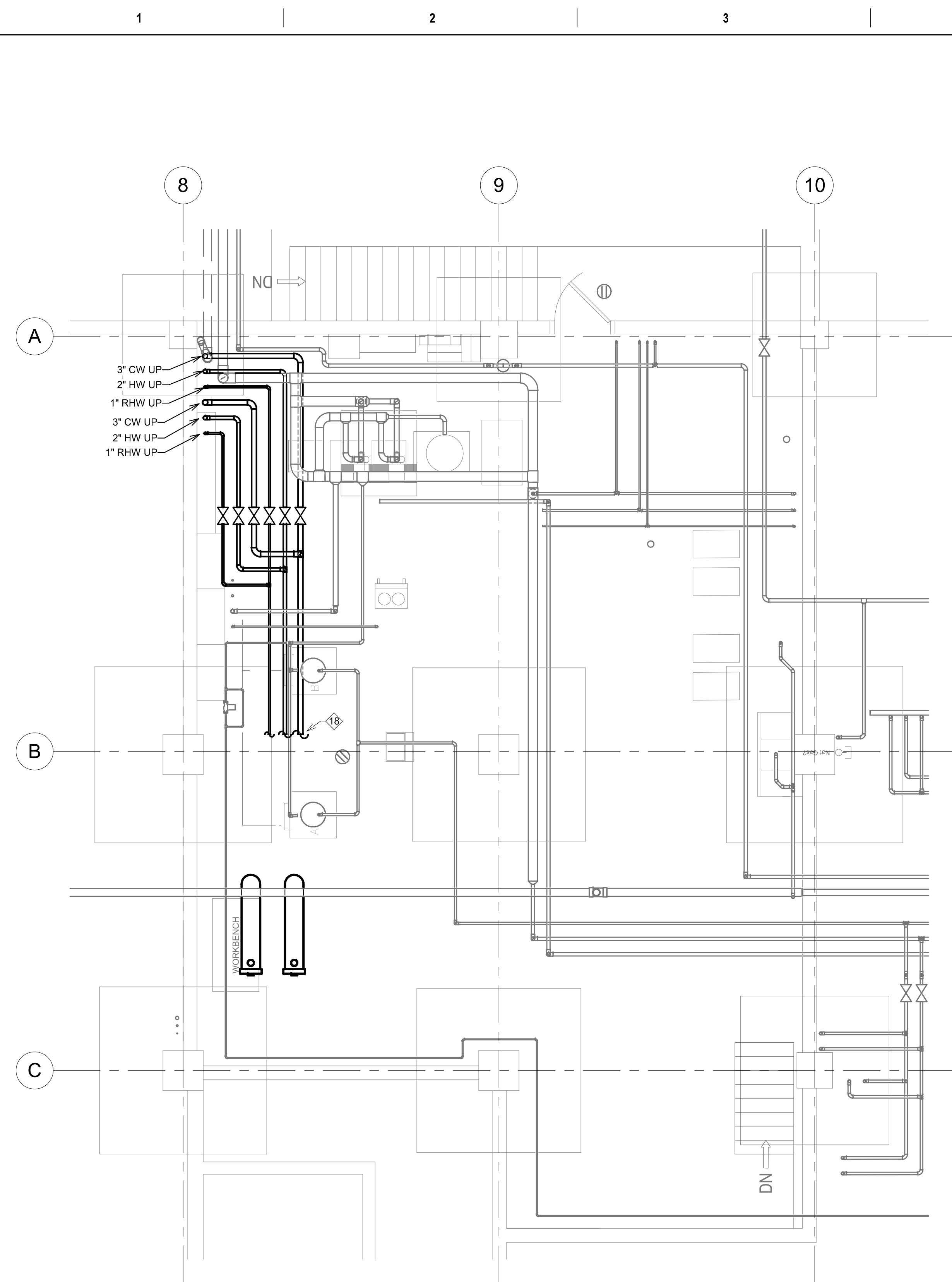
Checked
JG

Drawn
ECTM

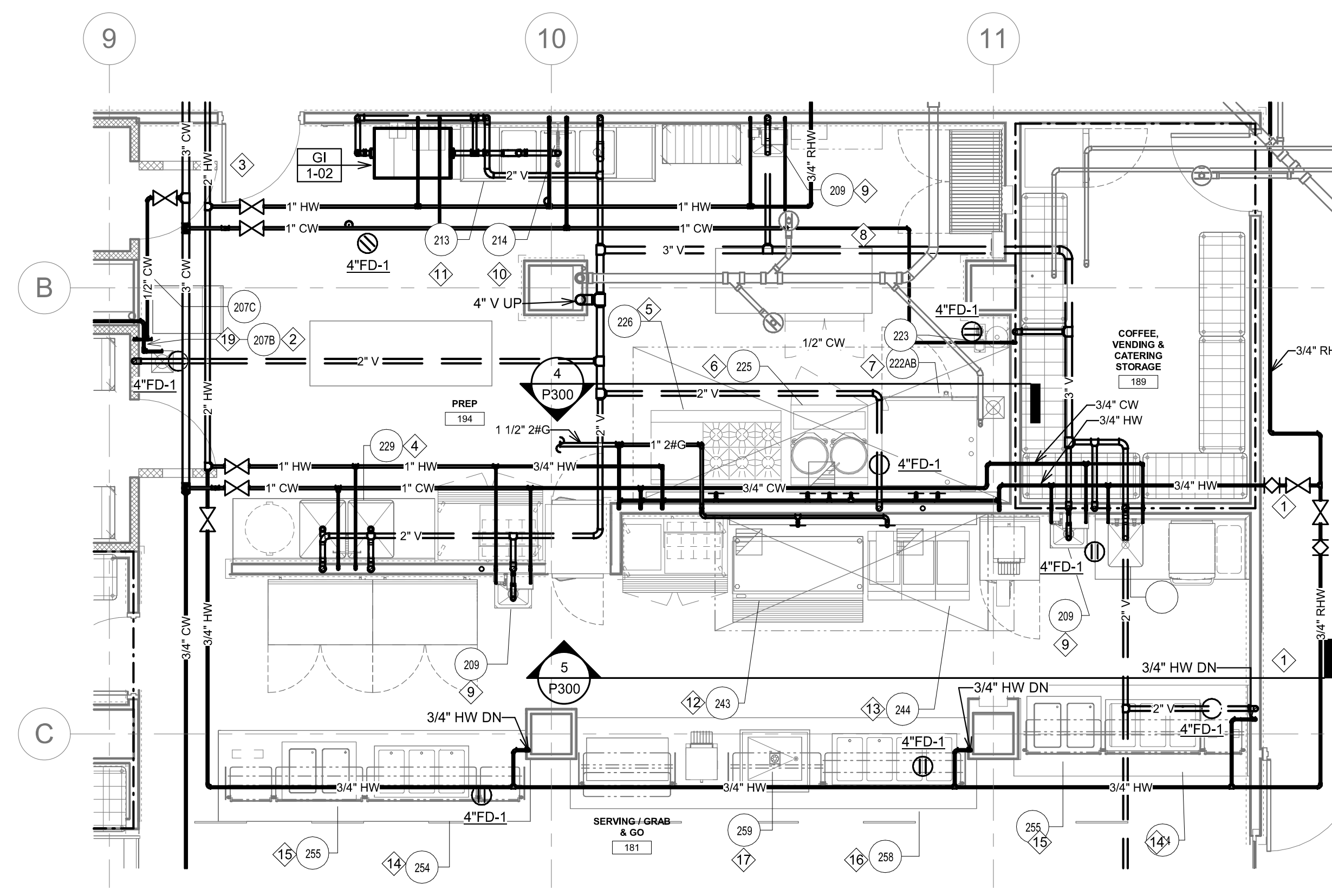
Project Number
**VA #438-21-403
SGA #201956**

Building Number
5

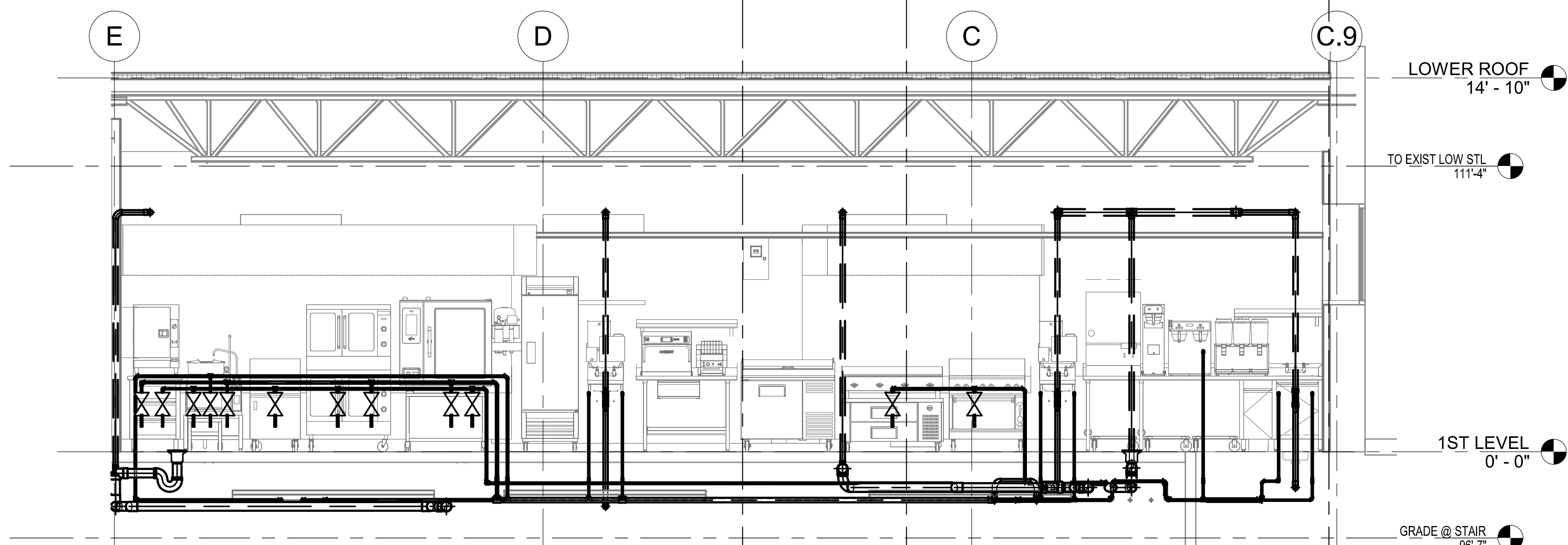
Drawing Number
P201



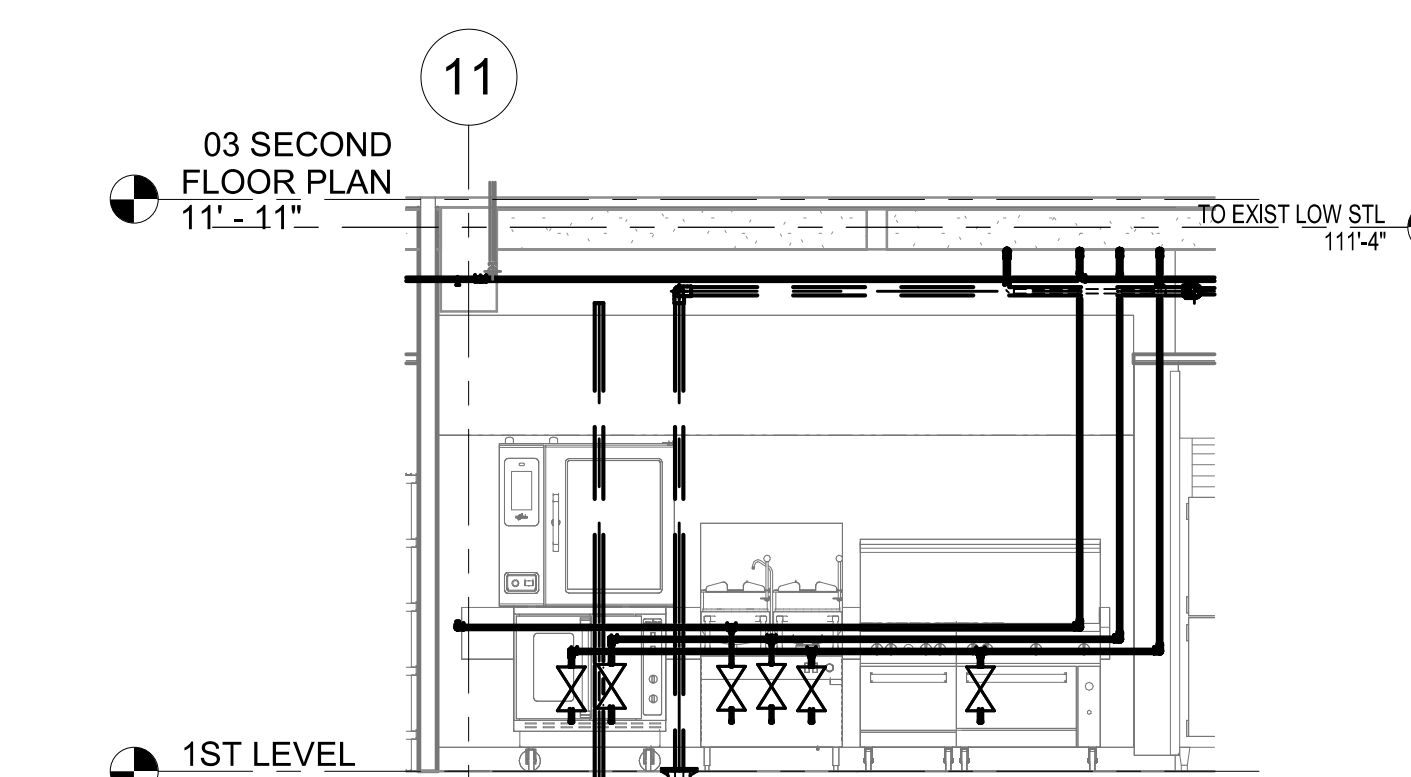
1 PARTIAL ENLARGED PLUMBING PLAN - TANK ROOM
1/4" = 1'-0"



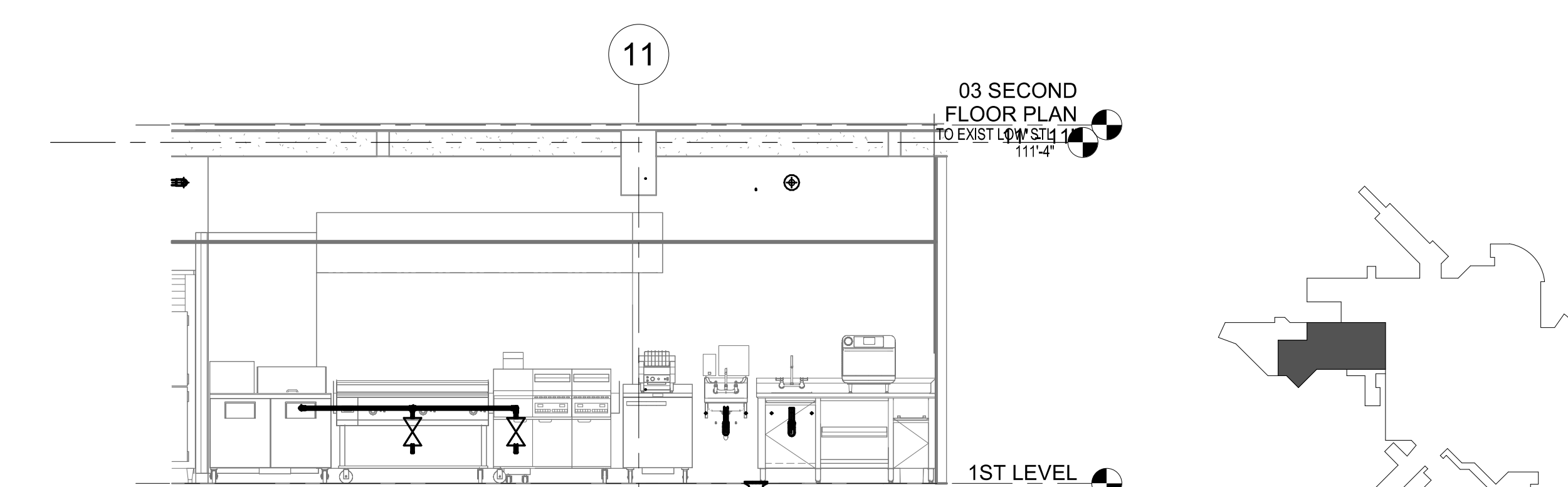
② ENLARGED PLUMBING PLAN - VCS
1/4" = 1'-0"



3 PLUMBING ELEVATION - KITCHEN C20 - SOUTH
1/4" = 1'-0"



4 PLUMBING ELEVATION - SERVING / GRAB & GO C9 - WEST
1/4" = 1'-0"



5 PLUMBING ELEVATION - PREP C6 - EAST
1/4" = 1'-0"

- KEY NOTES:

- ① PROVIDE IN THE DIRECTION OF FLOW: CIRCUIT BALANCING VALVE AND ISOLATION SHUTOFF VALVE. BALANCE TO 1 GPM.
- ② FOOD SERVICE VENDOR PROVIDED ICE MACHINE. EXTEND 1/2" CW TO WATER FILTER AND ROUTE (2) 3/4" DRAINS TO FLOOR DRAIN. REFER TO FSM100 FOR ROUGH-IN SIZING.
- ③ FOOD SERVICE VENDOR PROVIDED WATER FILTRATION SYSTEM. EXTEND 3/4" CW TO WATER FILTRATION SYSTEM. REFER TO FSM100 FOR ROUGH-IN SIZING.
- ④ FOOD SERVICE VENDOR PROVIDED PREPARATION SINK. REFER TO FSM100 FOR ROUGH-IN SIZING.
- ⑤ FOOD SERVICE VENDOR PROVIDED GRILL AND RANGE. REFER TO FSM100 FOR ROUGH-IN SIZING.
- ⑥ FOOD SERVICE VENDOR PROVIDED MODULAR BASE WITH KETTLES. REFER TO FSM100 FOR ROUGH-IN SIZING.
- ⑦ FOOD SERVICE VENDOR PROVIDED COMBI OVEN. REFER TO FSM100 FOR ROUGH-IN SIZING.
- ⑧ FOOD SERVICE VENDOR PROVIDED REVERSE OSMOSIS SYSTEM. REFER TO FSM100 FOR ROUGH-IN SIZING.
- ⑨ FOOD SERVICE VENDOR PROVIDED HANDWASH SINK. REFER TO FSM100 FOR ROUGH-IN SIZING.
- ⑩ FOOD SERVICE VENDOR PROVIDED SPRAY RINSE. REFER TO FSM100 FOR ROUGH-IN SIZING.
- ⑪ FOOD SERVICE VENDOR PROVIDED POT AND PAN SINK. REFER TO FSM100 FOR ROUGH-IN SIZING.
- ⑫ FOOD SERVICE VENDOR PROVIDED GRILL. REFER TO FSM100 FOR ROUGH-IN SIZING.
- ⑬ FOOD SERVICE VENDOR PROVIDED FRYER/WILTHER. REFER TO FSM100 FOR ROUGH-IN SIZING.
- ⑭ FOOD SERVICE VENDOR PROVIDED HOT FOOD WELL, 3-WELL. REFER TO FSM100 FOR ROUGH-IN SIZING.
- ⑮ FOOD SERVICE VENDOR PROVIDED HOT/COLD FOOD WELL, 2-WELL. REFER TO FSM100 FOR ROUGH-IN SIZING.
- ⑯ FOOD SERVICE VENDOR PROVIDED HOT FOOD WELL, 4-WELL. REFER TO FSM100 FOR ROUGH-IN SIZING.
- ⑰ FOOD SERVICE VENDOR PROVIDED DROP-IN COLD PAN, 2-WELL. REFER TO FSM100 FOR ROUGH-IN SIZING.
- ⑱ EXTEND AND CONNECT 3" COLD WATER, 2" HOT WATER, AND 1" RECIRCULATION HOT WATER TO EXISTING MAINS. SITE VERIFY CONNECTION POINTS TO EXISTING MAINS.
- ⑲ ROUTE 3/4" CONDENSATE DRAIN THROUGH COOLER TO FLOOR DRAIN.

GENERAL NOTES:

- A. CONTRACTOR SHALL REFER TO THE VA MASTER SPECIFICATION MANUAL MANUED FOR THIS PROJECT ALONG WITH ANY APPLICABLE STANDARDS WITHIN THE VA DESIGN GUIDES. ALL REQUIREMENTS OF THESE STANDARDS 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 OR INTERPRETER.
- B. CONTRACTOR WILL BE RESPONSIBLE TO REVIEW ACCESSIBILITY TO APPROXIMATELY 10% OF THE CONDUIT RUNS. LIMITS TO THE APPROXIMATE AMOUNT OF OVERTIME REQUIRED TO PERFORM ALL MECHANICAL WORK INDICATED. COORDINATION OF SCHEDULES WITH ALL AFFECTING TRADES TO BE COMPLETED PRIOR TO ANY 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 PLUMBING PIPING ROUTING WITH ALL OTHER TRADES TO ENSURE ADEQUATE CLEARANCES FOR ELECTRICAL, CONDUIT, HVAC DUCTWORK & PIPING, STRUCTURAL SUPPORTS, ETC. AN APPROVED, COORDINABLE CONSTRUCTION PLAN AND THE SIGNATURE OF THE ARCHITECT/ENGINEER OF RECORD, PROVIDE ALL OFFSETS & TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
- E. THE EXACT LOCATION OF EQUIPMENT ROUGHINS SHALL BE VERIFIED WITH THE STAMPED APPROVED SHOP DRAWINGS PRIOR TO ANY FIELD INSTALLATION.
- F. SUPPORT ALL PIPING DIRECTLY TO STRUCTURE, DO NOT SUPPORT ANY PIPING FROM DUCTWORK, CONDUIT OR OTHER PIPING ENGULFMENT.
- G. WHERE MECHANICAL SYSTEMS TO REMAIN ARE DAMAGED OR DISRUPTED DURING THE CONSTRUCTION OF THE PROJECT, 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 FIRE RESISTANT FLOORS, CEILING OR CURT 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 WITHIN ADJACENT AREAS. COORDINATE WITH VA REPRESENTATIVE AS REQUIRED.
- J. FIELD VERIFY EXISTING WATER, WASTE, VENT OR OTHER PIPING SYSTEMS FOR CONNECTIONS TO FIXTURES THAT MAY NOT BE IDENTIFIED ON PLANS PRIOR TO SERVICE OUTAGES, DEMOLITION OF EXISTING OR EXTERIOR WORK. COORDINATE WITH UNKNOWN SERVICE WITH FACILITIES AND ENGINEER OF RECORD.
- K. CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ALL DISCREPANCIES WITH ANY EXISTING PIPING, FITTINGS, VALVES & ACCESSORIES AS REQUIRED FOR INSTALLATION OF OWNER PROVIDED EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
- L. ALL CONTRACTORS TO REFERENCE THE INFECTION CONTROL NOTES IDENTIFIED WITHIN THE VENTILATION GENERAL NOTES ON THESE DRAWINGS, CONFORM TO ALL ICRA REQUIREMENTS.
- M. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL PIPING, FITTINGS, VALVES & ACCESSORIES AS REQUIRED FOR INSTALLATION OF OWNER PROVIDED EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
- N. REFER TO PLUMBING FIXTURE SCHEDULE AND PLUMBING RISER DIAGRAMS FOR INDIVIDUAL BRANCH SIZES TO FIXTURES.
- O. ALL VALVES TO BE LOCATED ABOVE LAY-IN CEILING FOR ACCESSIBILITY TO ACCESSORIES MUST BE LOCATED WITHIN 10' OF THE HORIZONTAL GROUND. MECHANICAL CONTRACTOR SHALL COORDINATE LOCATIONS OF 24"X24" ACCESS PANELS WITH GENERAL CONTRACTOR.
- P. PROVIDE CLEANOUTS AT BASE OF EVERY STORM DRAIN LEADER.



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

CONSULTANTS			
CIVIL:	STRUCTURAL:	MEP:	FOOD SERVICE:
 Ulteig Utley Engineers, Inc. 170 South Corporate Place Sioux Falls, SD 57108 Phone: 605-329-2306	 ERA ERICKSON ROED & ASSOCIATES Erickson Roed Associates 2550 Valley Avenue W Suite 423S St. Paul, MN 55402 Phone: 651-251-7570	 DUNHAM Dunham Associates, Inc. 92 South Sixth St. Suite 1100 Minneapolis, MN 55402 Phone: 612-465-7590	 RIPPE ASSOCIATES Foodservice Design & Consulting Rippe Associates 10500 Valley Circle Dr Suite 100 Minneapolis, MN 55343 Phone: 652-933-0313

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
REG. NO. 14944
JASON R. GOTTWALT
ELECTRICAL ENGINEERING
STATE OF TEXAS
02-18-2026

Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title
ENLARGED PLUMBING PLANS AND PLUMBING ELEVATIONS
Approved:

Phase	

Project Title		
RENOVATE FIRST FLOOR FOR NEW KITCHEN FOR THE SIOUX FALLS VA MEDICAL CENTER		
Location		
SIOUX FALLS, SOUTH DAKOTA		
Issue Date	Checked	Drawn
08-18-2026	JG	EC/TM

Project Number VA #438-21-403 SGA #201956
Building Number 5
Drawing Number P300

one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot
four inches = one foot
five inches = one foot
six inches = one foot
seven inches = one foot
eight inches = one foot
nine inches = one foot
ten inches = one foot
eleven inches = one foot
twelve inches = one foot
thirteen inches = one foot
fourteen inches = one foot
fifteen inches = one foot
sixteen inches = one foot
seventeen inches = one foot
eighteen inches = one foot
nineteen inches = one foot
twenty inches = one foot
twenty one inches = one foot
twenty two inches = one foot
twenty three inches = one foot
twenty four inches = one foot
twenty five inches = one foot
twenty six inches = one foot
twenty seven inches = one foot
twenty eight inches = one foot
twenty nine inches = one foot
thirty inches = one foot
thirty one inches = one foot
thirty two inches = one foot
thirty three inches = one foot
thirty four inches = one foot
thirty five inches = one foot
thirty six inches = one foot
thirty seven inches = one foot
thirty eight inches = one foot
thirty nine inches = one foot
forty inches = one foot
forty one inches = one foot
forty two inches = one foot
forty three inches = one foot
forty four inches = one foot
forty five inches = one foot
forty six inches = one foot
forty seven inches = one foot
forty eight inches = one foot
forty nine inches = one foot
fifty inches = one foot
fifty one inches = one foot
fifty two inches = one foot
fifty three inches = one foot
fifty four inches = one foot
fifty five inches = one foot
fifty six inches = one foot
fifty seven inches = one foot
fifty eight inches = one foot
fifty nine inches = one foot
sixty inches = one foot
sixty one inches = one foot
sixty two inches = one foot
sixty three inches = one foot
sixty four inches = one foot
sixty five inches = one foot
sixty six inches = one foot
sixty seven inches = one foot
sixty eight inches = one foot
sixty nine inches = one foot
seventy inches = one foot
seventy one inches = one foot
seventy two inches = one foot
seventy three inches = one foot
seventy four inches = one foot
seventy five inches = one foot
seventy six inches = one foot
seventy seven inches = one foot
seventy eight inches = one foot
seventy nine inches = one foot
eighty inches = one foot
eighty one inches = one foot
eighty two inches = one foot
eighty three inches = one foot
eighty four inches = one foot
eighty five inches = one foot
eighty six inches = one foot
eighty seven inches = one foot
eighty eight inches = one foot
eighty nine inches = one foot
ninety inches = one foot
ninety one inches = one foot
ninety two inches = one foot
ninety three inches = one foot
ninety four inches = one foot
ninety five inches = one foot
ninety six inches = one foot
ninety seven inches = one foot
ninety eight inches = one foot
ninety nine inches = one foot
one hundred inches = one foot

1 DOMESTIC WATER RISER DIAGRAM - FIRST LEVEL TOILET ROOMS AND KITCHEN HAC

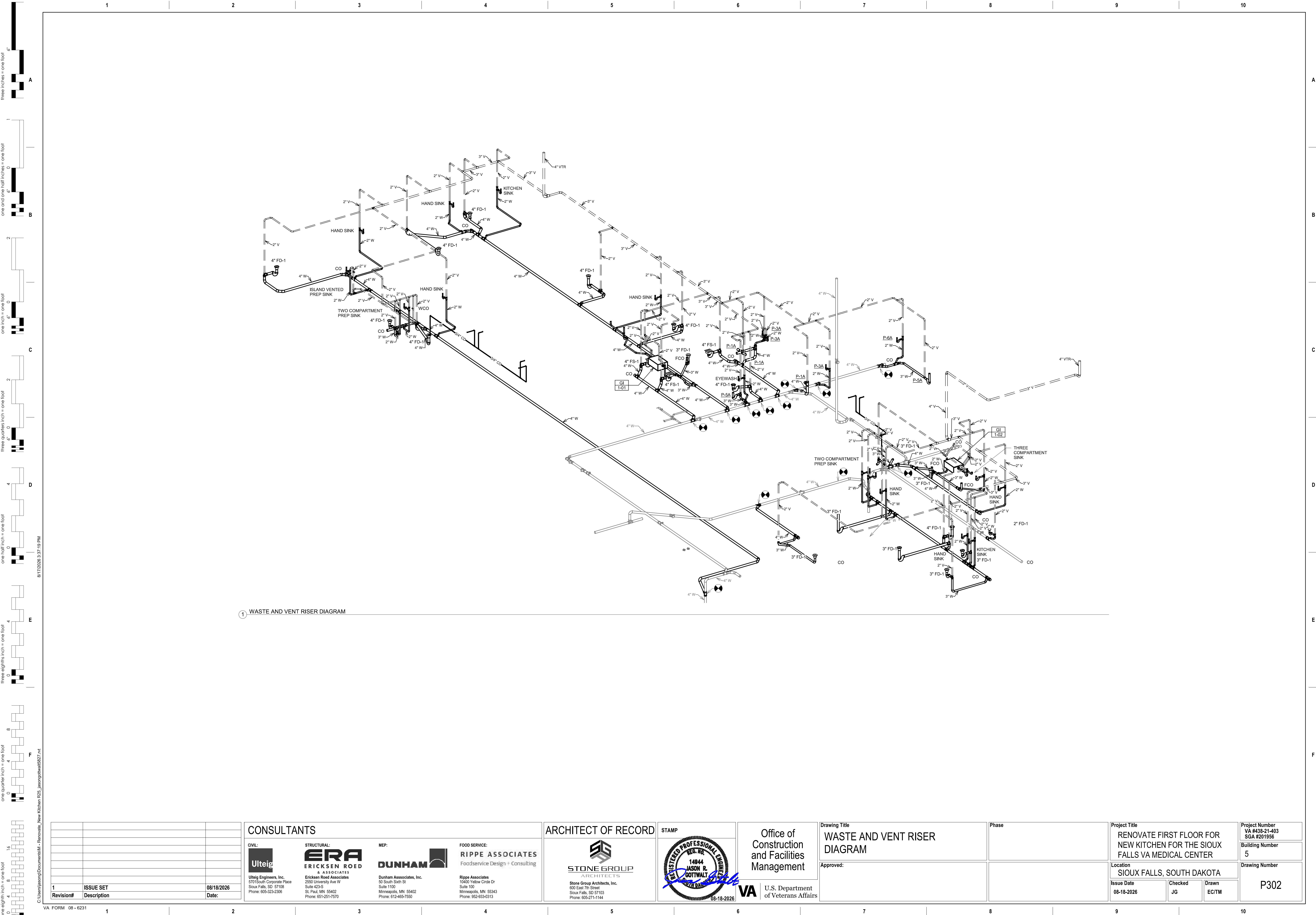
3 DOMESTIC WATER RISER DIAGRAM - SECOND FLOOR PLUMBING RISER CONNECTIONS

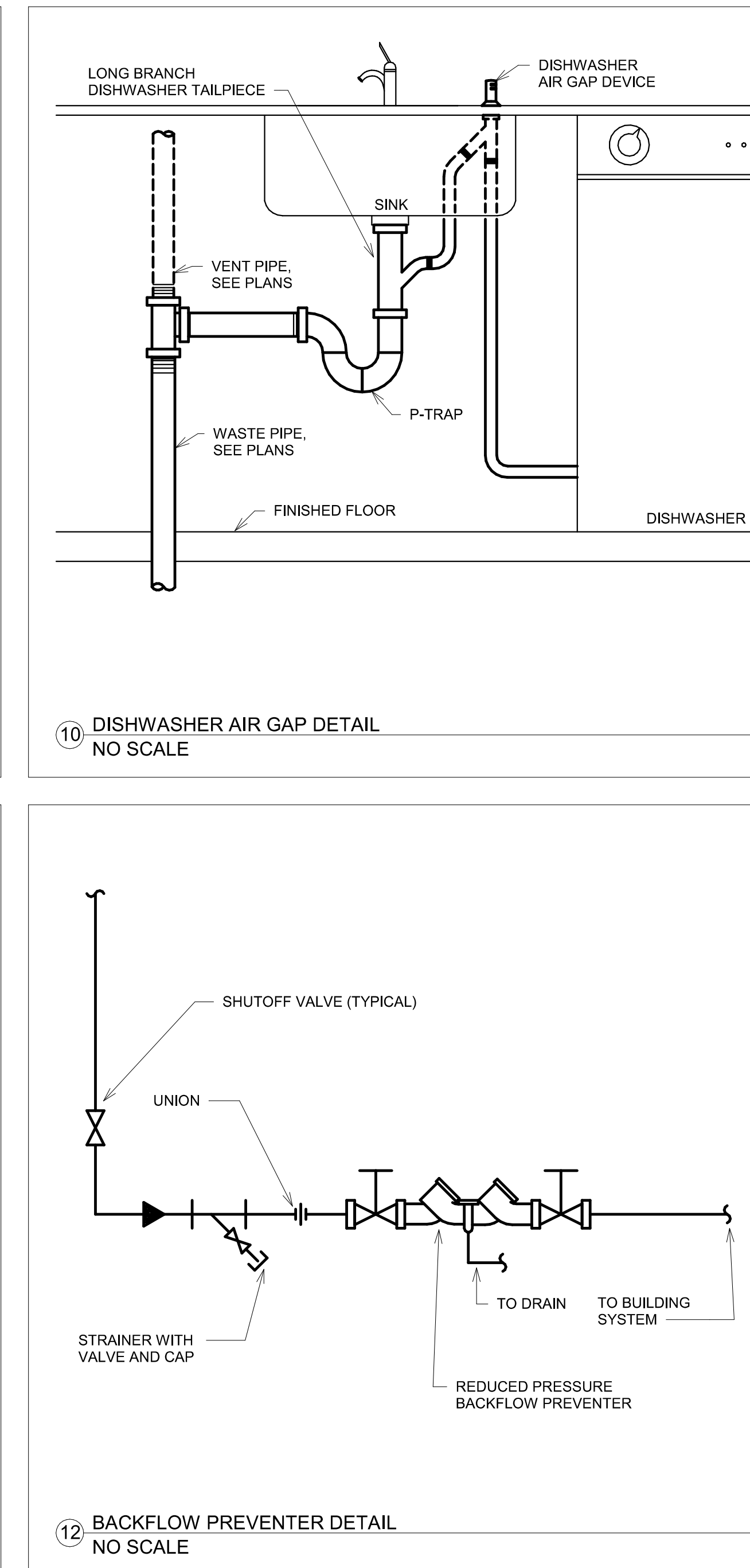
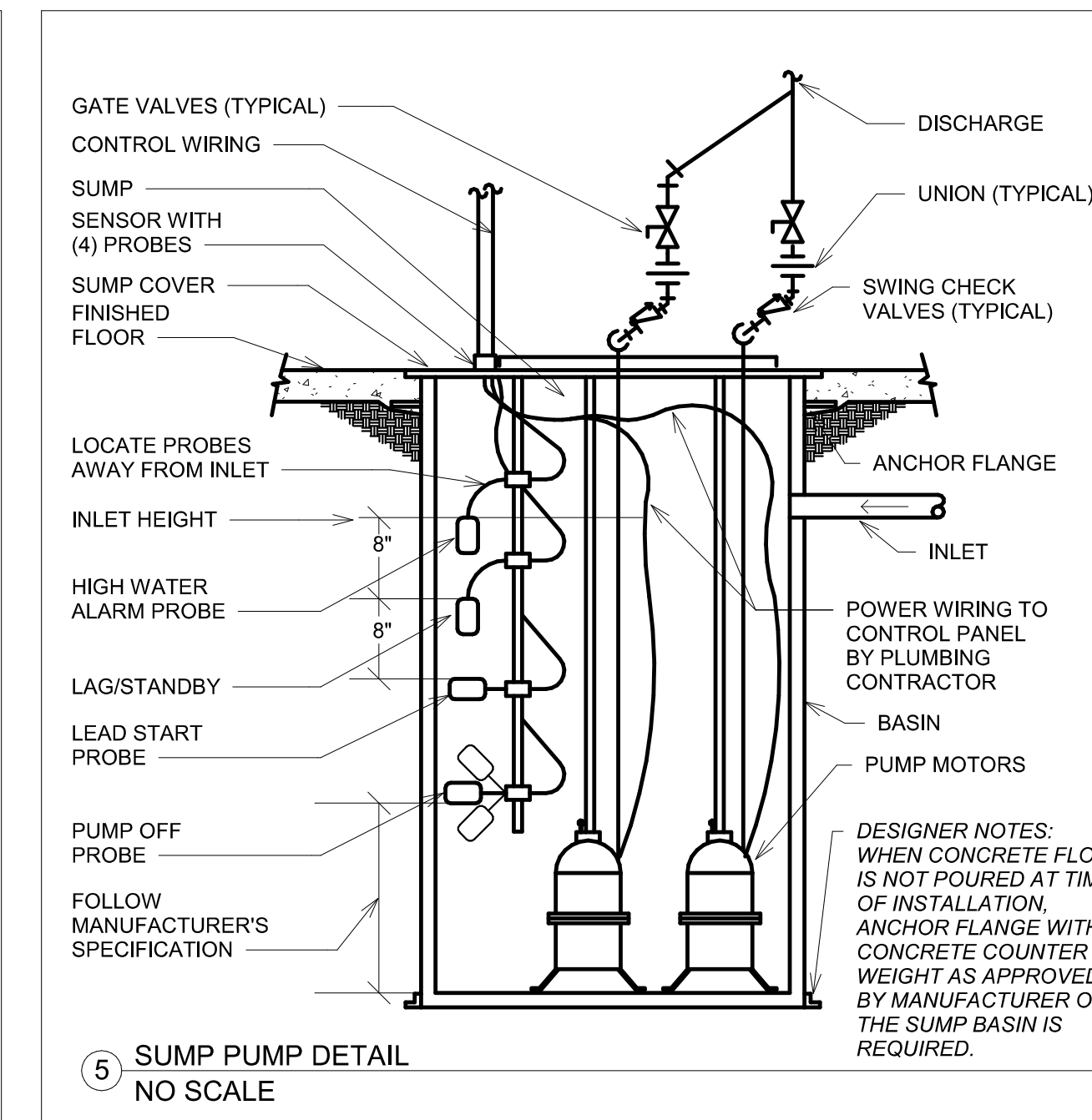
2 DOMESTIC WATER RISER DIAGRAM - FIRST LEVEL NFS KITCHEN

4 DOMESTIC WATER RISER DIAGRAM - PLUMBING RISER

5 DOMESTIC WATER RISER DIAGRAM - FIRST LEVEL VCS KITCHEN

1 ISSUE SET 08/18/2026			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. 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			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 DOMESTIC WATER RISER DIAGRAM			Phase			Project Title RENOVATE FIRST FLOOR FOR NEW KITCHEN FOR THE SIOUX FALLS VA MEDICAL CENTER			Project Number VA #438-21-403 SGA #201956					
Revision# Description Date:									Approved:						Location SIOUX FALLS, SOUTH DAKOTA			Issue Date 08-18-2026			Checked JG			Drawn EC/TM			Drawing Number P301		





Project Number VA #438-21-403 SGA #201956
Building Number 5
Drawing Number P400

