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D

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F

REGISTER - GRILLE - DIFFUSER SCHEDULE												
MARK	FUNCTION	TYPE	CFM RANGE	MAX N.C.	SIZE (INCHES)	BORDER OR FRAME	MATERIAL		FINISH	ACCESS	MANUFACTURER & MODEL NO.	REMARKS
							ALUM.	STEEL				
D-1	SUPPLY	SQUARE FACE NOMINAL PNL.	250 - 350	25	10" Ø NECK	24 x 24 LAY-IN	X			3	KRUEGER SERIES 51190	1, 2
G-1	RETURN	SQUARE FACE NOMINAL PNL.	650 - 1350	20	18 x 18 NECK	24 x 24 LAY-IN	X			3	KRUEGER SERIES 51190	1, 2

REMARKS:  
 1. PROVIDE SPECIFIC NOISE CRITERIA (NC) DATA FOR EACH LINE ITEM WITH SHOP DRAWINGS.  
 2. MANUFACTURER & MODEL NO. SHOWN AS BASIS OF DESIGN. PROVIDE SPECIFIED MODEL OR UNIT EQUAL IN PERFORMANCE AND CONSTRUCTION.

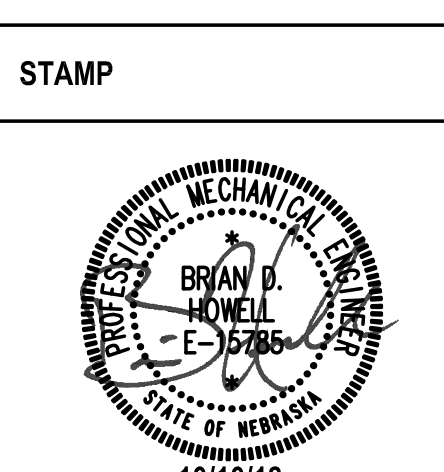
VAV TERMINAL UNIT SCHEDULE									
MARK	AIRFLOW MIN / MAX (CFM)	MINIMUM FLOW (GPM)	MAX. ΔPS	MANUFACTURER & MODEL NO.	INLET SIZE	OUTLET SIZE	REHEAT COIL	REMARKS	
								VAV-A03	450
VAV-A08B	200 - 700	-	0.338	TITUS MODEL ESV SINGLE DUCT BOX, 10 INCH INLETSIZE	10"	12"x14"	NONE	1,2,3,5	

REMARKS:  
 1. PROVIDE DOUBLE WALL TERMINAL UNITS.  
 2. PROVIDE TERMINAL UNITS WITH FACTORY MOUNTED CONTROLS AND ACTUATORS.  
 3. AIR-FLOW SENSOR TO BE FACTORY MOUNTED AND FIELD CONNECTED TO BAS SYSTEM.  
 4. HOT WATER REHEAT COIL TO BE INTEGRAL SIZE HEATING COIL FOR A 180°F EWT, 30°F DELTA T AND A MINIMUM AIRFLOW AS SCHEDULED. PROVIDE ACCESS DOOR IN DUCT BETWEEN REHEAT COIL AND UNIT.  
 5. MANUFACTURER & MODEL NO. SHOWN AS BASIS OF DESIGN. PROVIDE SPECIFIED MODEL OR UNIT EQUAL IN PERFORMANCE AND CONSTRUCTION.

BID DOCUMENTS	10/10/2018
CONSTRUCTION DOCUMENTS 100% SUBMITTAL - UPDATE	9/28/2018
CONSTRUCTION DOCUMENTS 100% SUBMITTAL	9/7/2018
DESIGN DEVELOPMENT 90% SUBMITTAL	8/3/2018
SCHEMATIC DESIGN 36% SUBMITTAL 2	7/5/2018
SCHEMATIC DESIGN 35% SUBMITTAL	6/6/2018
Revisions:	Date:

CONSULTANT	
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ARCHITECT/ENGINEER OF RECORD	
<b>A/E:</b> CLH Architects 3705 N 200th St Elkhorn, NE 68022 (402) 291-6941 Tim Werner	



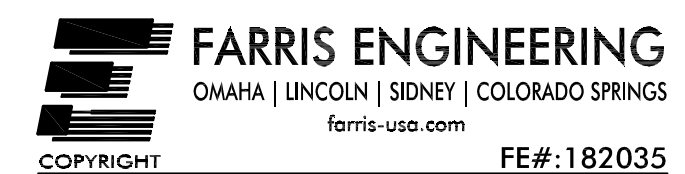
Office of Construction and Facilities Management  


Drawing Title Mechanical Details
Approved: Project Director

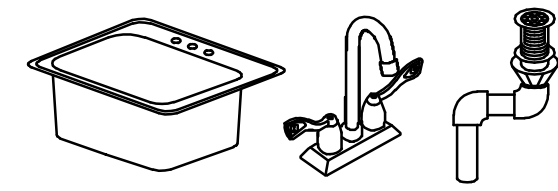
Phase BID DOCUMENTS
FULLY SPRINKLERED

Project Title Second CT Scanner Site Prep Design		
Location Sioux Falls, SD		
Issue Date October 10, 2018	Checked BDH	Drawn AMM

Project Number 438-18-103
Building Number 5
Drawing Number M-501



**SINK: S-1**



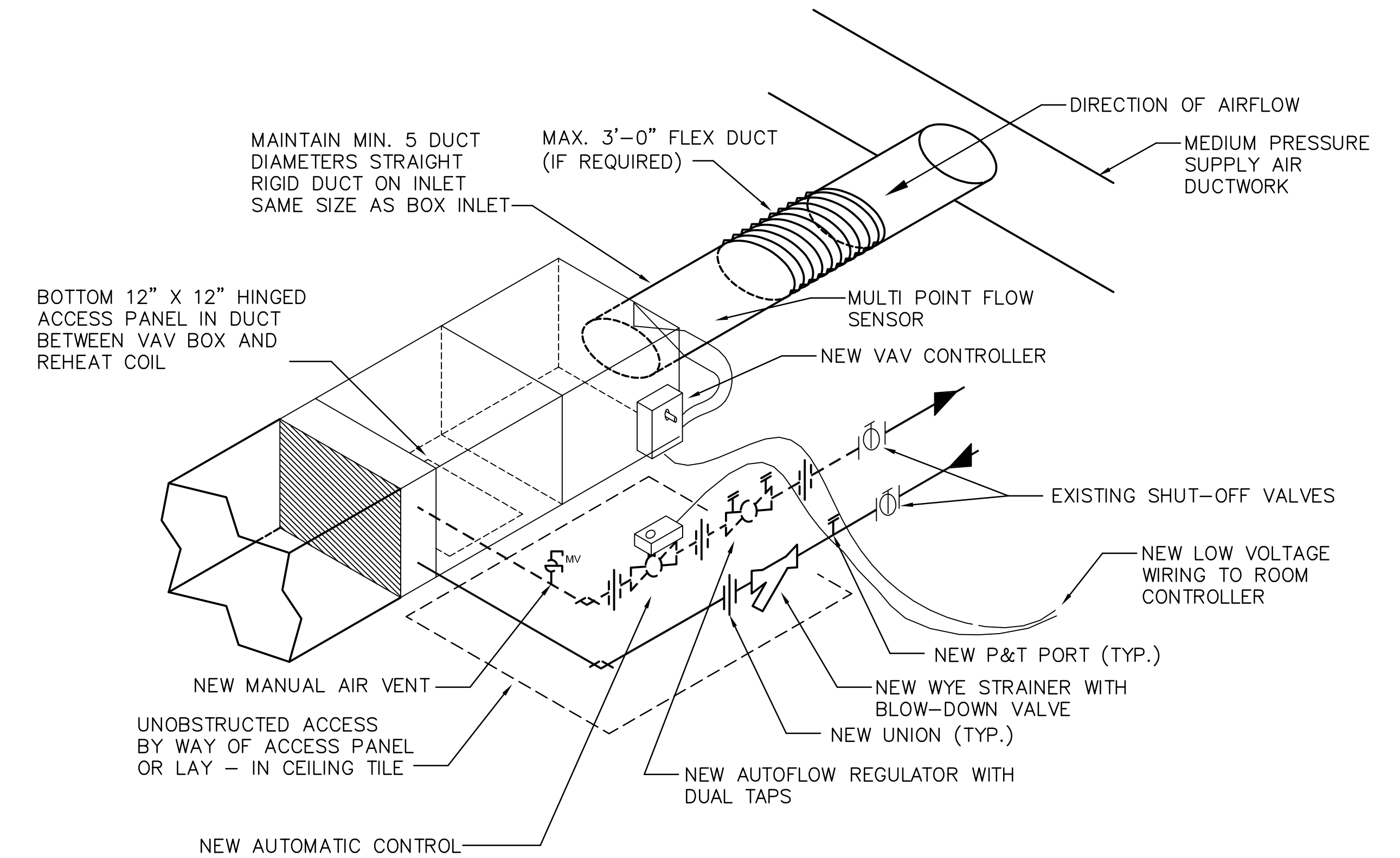
**FIXTURE**  
 18 GAUGE TYPE 304 STAINLESS STEEL SINK, SINGLE COMPARTMENT COUNTERTOP SELF RIMMING, 2-1/4" RADIUS COVERED CORNERS, UNDERSIDE FULLY UNDERCOATED. COMPARTMENT AND FAUCET DECK ARE RECESSED 3/16" BELOW OUTSIDE EDGE OF SINK, 3 FAUCET HOLES, 2" DRAIN OPENING. OVERALL DIMENSIONS 17" LONG X 19" WIDE. BOWL DIMENSIONS 14" LONG X 14" WIDE X 6-1/8" DEEP. ELKAY "DAYTON" D11719 OR APPROVED EQUAL.

**TRIM**  
 BRASS CONSTRUCTION WITH CHROME PLATED FINISH, GRID DRAIN, 4" CENTERSET VANDAL RESISTANT LAVATORY FAUCET WITH 1.5 GPM (5.7 LPM), LAMINAR FLOW INSERT, RIGID GOOSENECK SPOUT (8" REACH, 6-1/8" OUTLET HEIGHT, 11-1/4" OVERALL HEIGHT), WRIST BLADE HANDLES AND 1/2" IPS CONNECTIONS, CERAMIC DISC CARTRIDGE WITH 1/4 TURN OPERATION. CHICAGO FAUCET 786-GNBFCKABCP OR APPROVED EQUAL.

COMPLETE WITH SOLID BRASS STOPS WITH ALL BRASS STEMS AND CHLORAMINE-CHLORINE RESISTANT WASHERS, CHLORAMINE-CHLORINE RESISTANT BRAIDED STAINLESS STEEL FLEXIBLE CONNECTORS (SUPPLY TUBES), STAINLESS STEEL BASKET STRAINER WITH STAINLESS STEEL BASKET AND CAST BRASS LOCK AND COUPLING NUTS, BRASS 1/2" GAUGE TAILPIECE, HEAVY CAST BRASS ADJUSTABLE P-TRAP WITH 17 GAUGE TUBULAR WALL BEND, BRASS ESCUTCHEONS. (ALL BRASS MATERIALS SHALL BE CHROME PLATED)

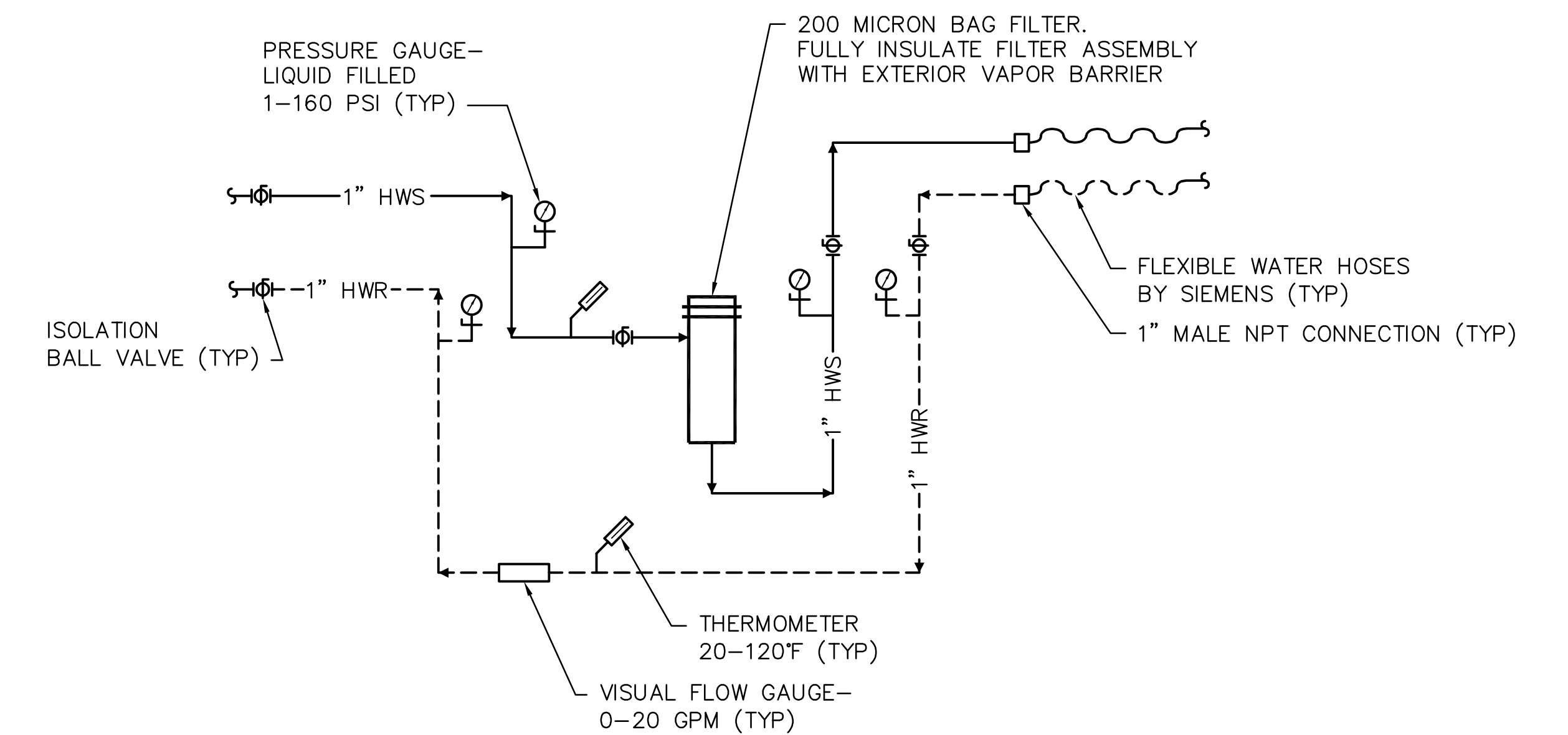
**PLUMBING FIXTURE GENERAL NOTES:**

1. PLUMBING FIXTURES SHALL BE OF ONE OF THE MANUFACTURERS INDICATED AND IN ACCORDANCE WITH THE INFORMATION AND MANUFACTURER'S CATALOG NO'S INDICATED. WHERE MANUFACTURER'S CATALOG NO'S HAVE BEEN UPDATED OR DELETED, FIXTURES SHALL BE OF SIMILAR CONFIGURATION AND OF SIMILAR OR BETTER QUALITY THAN THAT INDICATED.
2. VERIFY ALL MOUNTING HEIGHTS OF PLUMBING FIXTURES PRIOR TO ORDERING EQUIPMENT. MOUNTING HEIGHTS SHALL BE AS INDICATED ON ARCHITECTURAL DRAWINGS AND COMPLY WITH ADA REQUIREMENTS.
3. VERIFY FIXTURE COLORS WITH ARCHITECT PRIOR TO ORDERING EQUIPMENT.
4. FOR ALL COUNTERTOP SINKS, CONTRACTOR SHALL COORDINATE WITH CABINET WORK TO INSURE THAT SINK WILL FIT IN CABINET PRIOR TO ORDERING FIXTURE.
5. FIXTURE DRAWINGS DEPICTED MAY NOT NECESSARILY BE AN ACCURATE DEPICTION OF ACTUAL MODELS DUE TO RECENT PRODUCT UPDATES.
6. ALL FIXTURE STOPS SHALL BE LOOSE KEY.



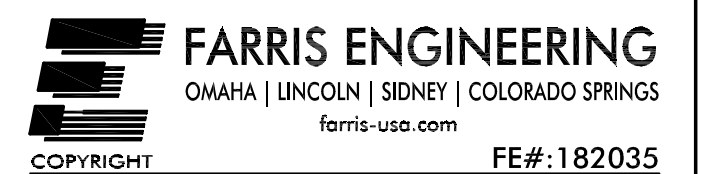
- NOTES:**
1. LOCATE VAV CONTROLLER, TERMINAL PANEL, AND HEATING CONTROL VALVE IN PROXIMITY OF EACH OTHER FOR EASY ACCESSIBILITY.

**NEW VAV BOX DETAIL 1**  
 NO SCALE



- GENERAL NOTES:**
1. INSTALL BAG FILTER AT MAX. 5' TO TOP OF FILTER ASSEMBLY.
  2. CONTRACTOR TO SUPPLY ALL COMPONENTS. REFER TO SIEMENS DRAWINGS FOR PREFERRED VENDOR ORDERING INFORMATION FOR ALL COMPONENTS LISTED ABOVE.

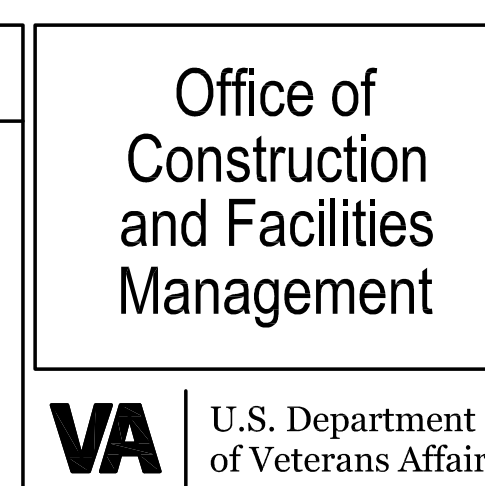
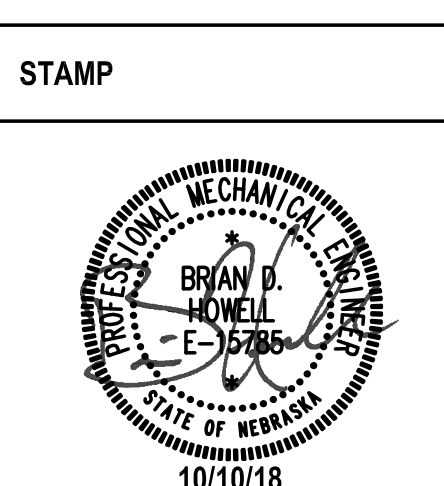
**CHILLED WATER PIPING DETAIL 2**  
 NO SCALE



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Drawing Title <b>Mechanical Schedules</b>
Approved: Project Director

Phase <b>BID DOCUMENTS</b>
<b>FULLY SPRINKLERED</b>

Project Title Second CT Scanner Site Prep Design	Location Sioux Falls, SD	
Issue Date October 10, 2018	Checked BDH	Drawn AMM

Project Number 438-18-103
Building Number 5
Drawing Number M-701