


BLDG. 23, 4 AND C WATER FILTERS
PROJECT NUMBER: 554-16-05S

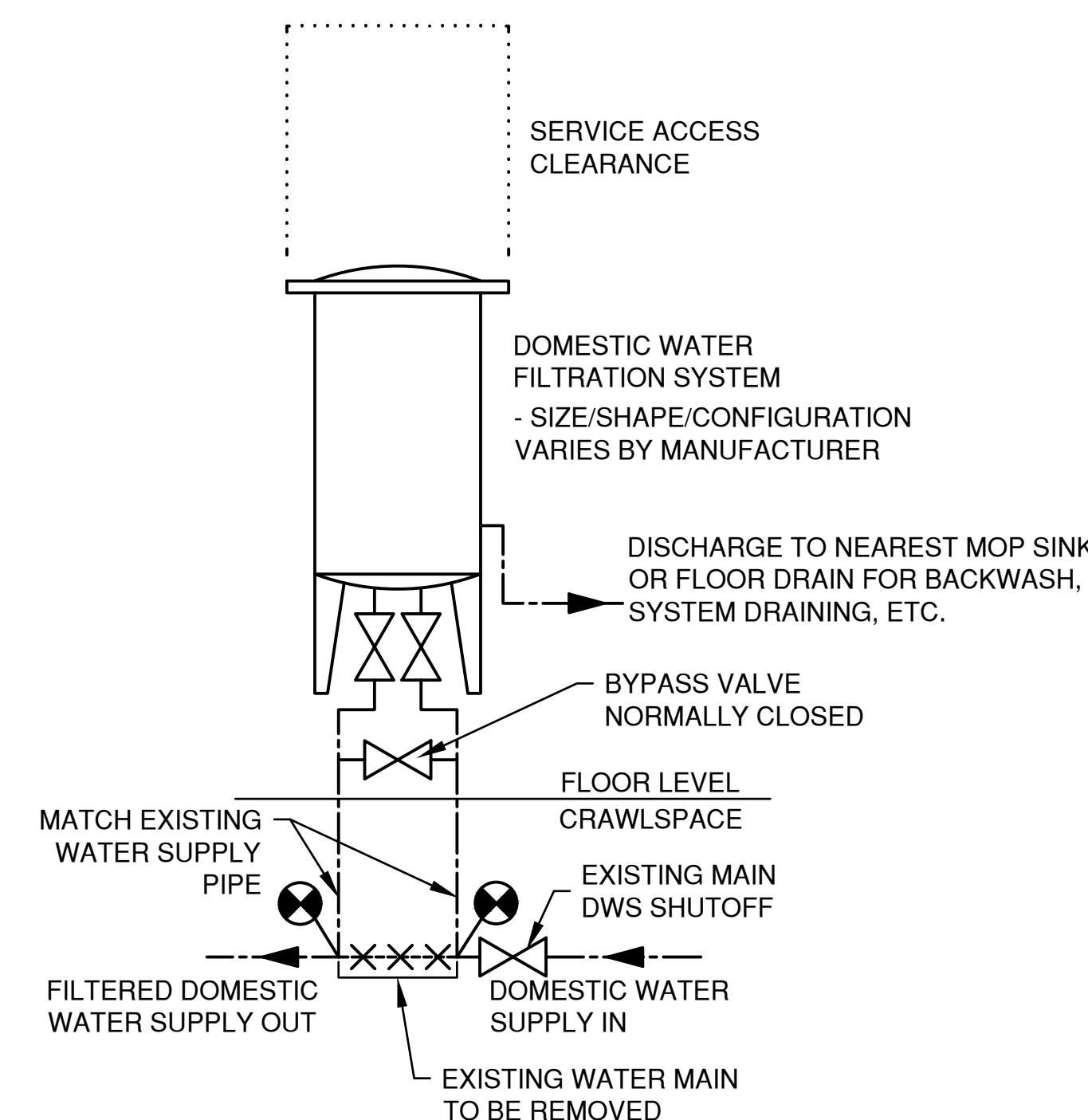
SHEET INDEX		GENERAL NOTES	ABBREVIATIONS	FIRE PROTECTION NOTES
DRAWING NUMBER	SHEET NAME	<p>1. THE INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON VISUAL OBSERVATION OF THE AREAS AND IT WAS NECESSARY TO MAKE CERTAIN ASSUMPTIONS REGARDING EXISTING CONDITIONS. THE EXTENT OF NECESSARY WORK IS IDENTIFIED ON THESE PLANS TO THE BEST ABILITY OF THE DESIGN CONTRACTOR. IF ADDITIONAL WORK IS IDENTIFIED DURING CONSTRUCTION, COORDINATE WITH THE VA COR BEFORE COMMENCING WITH WORK OUTSIDE THE ORIGINAL SCOPE.</p> <p>2. CONTRACTOR SHALL SUPPLY ALL TOOLS, LABOR, MATERIAL, EQUIPMENT, AND SUPERVISION REQUIRED TO COMPLETE A MULTI SCOPE PROJECT INVOLVING INTERIOR FINISHES, REPAIRS AND/OR UPGRADES AT LOCATIONS IDENTIFIED ON CONTRACT DRAWINGS AND IN THE SPECIFICATIONS.</p> <p>3. CONTRACTOR SHALL PROVIDE CONSTRUCTION SERVICES FOR WORK TO INCLUDE BUT NOT LIMITED TO: GENERAL CONSTRUCTION, DEMOLITION, AND PAINTING AT THE DENVER VA MEDICAL CENTER.</p> <p>4. CONTRACTOR SHALL FOLLOW ALL VA POLICY, DRAWINGS, INFECTION CONTROL REQUIREMENTS, AND SPECIFICATIONS TO COMPLETE THE WORK PER CONTRACT DOCUMENTS.</p> <p>5. CONTRACTOR MUST HAVE EXPERIENCE WORKING IN AN OCCUPIED MEDICAL CENTER ENVIRONMENT.</p> <p>6. ALL KEYNOTES ARE CONSISTENTLY NUMBERED THROUGHOUT THE DRAWING SET. NOTE THAT NOT ALL KEYNOTES ARE USED ON EACH SHEET.</p> <p>7. CONTRACTOR SHALL PATCH, AND REPAIR WALL AND CEILING SURFACES TO A "LIKE NEW" FINISH. IF ANY ADJACENT FINISH SURFACES ARE DAMAGED, PROVIDE A SEAMLESS TRANSITION AND FINISH LEVEL. COORDINATE WITH COR.</p> <p>8. CONTRACTOR SHALL CLEAN ALL AREAS OF WORK UPON COMPLETION, INCLUDING BUT NOT LIMITED TO: ALL EXISTING EQUIPMENT, FIXTURES, LIGHTS, WINDOWS, BLINDS, AND REGISTERS. CONTRACTOR SHALL REPLACE ANY CEILING TILES DAMAGED IN THE COURSE OF WORK.</p> <p>9. CONTRACTOR IS ENCOURAGED TO VISIT ALL AREAS OF WORK, INCLUDING WALKING THE SITE, MEASURING EXISTING FEATURES AND OBSERVING EXISTING CONDITIONS BEFORE SUBMITTING A BID, ORDERING MATERIALS, AND/OR STARTING ANY CONSTRUCTION WORK.</p> <p>10. UNLESS NOTED OTHERWISE, ALL MATERIALS TO BE REMOVED SHALL BE THE PROPERTY OF THE CONTRACTOR. DISPOSE OF ALL WASTE MATERIAL IN APPROVED MANNER AND LOCATION, COORDINATE MATERIALS FOR SALVAGE AND RECYCLING WITH COR. THE CONTRACTOR SHALL USE ONLY DESIGNATED PATHWAYS AS ESTABLISHED BY THE VA TO REMOVE ITEMS AND MATERIALS FROM THE PROJECT BUILDING AND SITE.</p> <p>11. THE CONTRACTOR SHALL PROVIDE TRAINING IN PROPER MAINTENANCE OF THE SYSTEM INCLUDING FILTER REPLACEMENT. THE TIME REQUIRED FOR TRAINING SHALL BE INCLUDED IN THE PROPOSED SCHEDULE ALONG WITH AN OUTLINE FOR THE TRAINING.</p> <p>12. CONTRACTOR SHALL COMPLY WITH ALL CURRENT APPLICABLE CODES AND STANDARDS.</p> <p>13. ALL ASPECTS OF THIS CONSTRUCTION SHALL COMPLY WITH THE VA GUIDELINES AND STANDARDS FOR DESIGN AND CONSTRUCTION PROJECTS AT THE DENVER VA.</p> <p>14. COORDINATE WITH COR AND COMPLY WITH VA REGULATIONS FOR UTILITY SHUT DOWN, NOISE AND VIBRATION.</p> <p>15. CONTRACTOR SHALL PROVIDE TWO (2) ADDITIONAL FILTERS, PER FILTRATION UNIT, FOR HOSPITAL M&R STOCK WHICH SHALL BECOME PROPERTY OF THE VA AFTER PROJECT COMPLETION.</p>	<p>A-AMP AMPERE ABV ABBREVIATION A/E ARCHITECT/ENGINEER ANSI AMERICAN NATIONAL STANDARDS INSTITUTE AWG AMERICAN WIRE GAGE</p> <p>BLDG BUILDING</p> <p>C CONDUIT CKT CIRCUIT COR CONTRACTING OFFICER'S REPRESENTATIVE CV CONTROL VALVE</p> <p>DCW DOMESTIC COLD WATER DET DETAIL DN DOWN DWG DRAWING DWR DRINKING WATER RETURN DWS DRINKING WATER SUPPLY</p> <p>ELEC ELECTRICAL OR ELECTRIC EPA ENVIRONMENTAL PROTECTION AGENCY EX EXISTING</p> <p>FCW FILTERED COLD WATER FD FLOOR DRAIN FM FLOW METER</p> <p>GAL GALLON GFI GROUND FAULT INTERRUPTER GRD GROUND GOVT GOVERNMENT GPD GALLONS PER DAY GPH GALLONS PER HOUR GPM GALLONS PER MINUTE</p> <p>HB HOSE BIB HZ HERTZ</p> <p>IPC INTERNATIONAL PLUMBING CODE</p> <p>KW KILOWATT KWH KILOWATT HOURS</p> <p>MCB MAIN CIRCUIT BREAKER MLO MAIN LUG ONLY M&R MAINTENANCE AND REPAIR MSB MOP SERVICE BASIN MTD MOUNTED</p> <p>NC NORMALLY CLOSED NEC NATIONAL ELECTRICAL CODE NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NIC NOT IN CONTRACT NO NORMALLY OPEN NPW NON POTABLE WATER NSF NATIONAL SANITATION FOUNDATION NTS NOT TO SCALE</p> <p>PNL PANEL PH PHASE PPM PARTS PER MILLION PVC POLYVINYL CHLORIDE PW POTABLE WATER</p> <p>RECP RECEPTACLE REF REFERENCE</p> <p>SPEC SPECIFICATIONS ST STREET SYS SYSTEM</p> <p>TEMP TEMPERATURE TYP TYPICAL</p> <p>UPC UNIFORM PLUMBING CODE</p> <p>V VOLT VA VETERANS AFFAIRS</p> <p>W WASTE W/ WITH WC WATER CLOSET WL WATER LINE WPF WATER PROOF</p>	<p>1. MAINTAIN FIRE AND/OR SMOKE BARRIERS AROUND ALL PENETRATIONS OCCURRING THROUGH FLOORS, WALLS, AND CEILINGS AT FIRE AND/OR SMOKE-RATED ASSEMBLIES. COORDINATE WITH COR.</p>
GI001	COVER SHEET AND INDEX SHEET			
BUILDING 4				
PL-4-110	1ST FLOOR PLUMBING PLAN BUILDING 4 AND FILTER CONNECTION DETAIL			
BUILDING 23				
PL-23-110	1ST FLOOR PLUMBING PLAN BUILDING 23			
BUILDING C				
PL-C-110	1ST FLOOR PLUMBING PLAN BUILDING C			
ELECTRICAL				
EP110	ELECTRICAL PLANS BUILDINGS C, 4, AND 23			
SITE PLAN				
GRAPHICS SYMBOLS				
INTERIM LIFE SAFETY MEASURES NOTES (ILSM)				
1. ALL BUILDING SYSTEMS SERVING OCCUPIED AREAS OF THE HOSPITAL SHALL REMAIN FULLY OPERATIONAL AT ALL TIMES. CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING BUILDING SYSTEMS INCLUDING ALL SYSTEMS PASSING THROUGH AND ADJACENT TO AREAS REQUIRED; INCLUDING, BUT NOT LIMITED TO, WIRING, CONDUITS, PIPING, DUCTWORK, AND OTHER UTILITIES TO SERVE OCCUPIED AREAS.				

CONSULTANT:		CONSULTANT:		ARCHITECT/ENGINEERS:		Drawing Title COVER SHEET AND INDEX SHEET		Project Title BLDG. 23, 4 AND C WATER FILTERS		Project Number 554-16-05S		Office of Construction and Facilities Management
						Approved: Project Director MICHELE KAYEN - COR PHONE: 303-399-8020x2664		Location DENVER, COLORADO		Building Number 23, 4 & C		
Revisions:		Date				Date MAY 2016		Checked JTK		Drawn MMM		
										Dwg. of		Department of Veterans Affairs

100% DESIGN SUBMITTAL

1. CONTRACTOR SHALL FIELD VERIFY DRAWINGS AND/OR EXISTING CONDITIONS AND LAYOUT PRIOR TO COMMENCEMENT OF WORK.
2. INSTALL NEW WATER FILTER THAT MEETS OR EXCEEDS EPA'S NATIONAL SECONDARY DRINKING WATER REGULATIONS NSF/ANSI 42, AND NSF/ANSI 53 AT THE POINT OF WATER CONSUMPTION/USE.
3. ANY WORK IS TO AVOID CREATING DEAD LEGS IN WATER SUPPLY LINES. CAP REMOVED BRANCHES AT THE MAIN SUPPLY, LEAVING NO EXTENDED LEG OF PIPE WITH NO CIRCULATION.

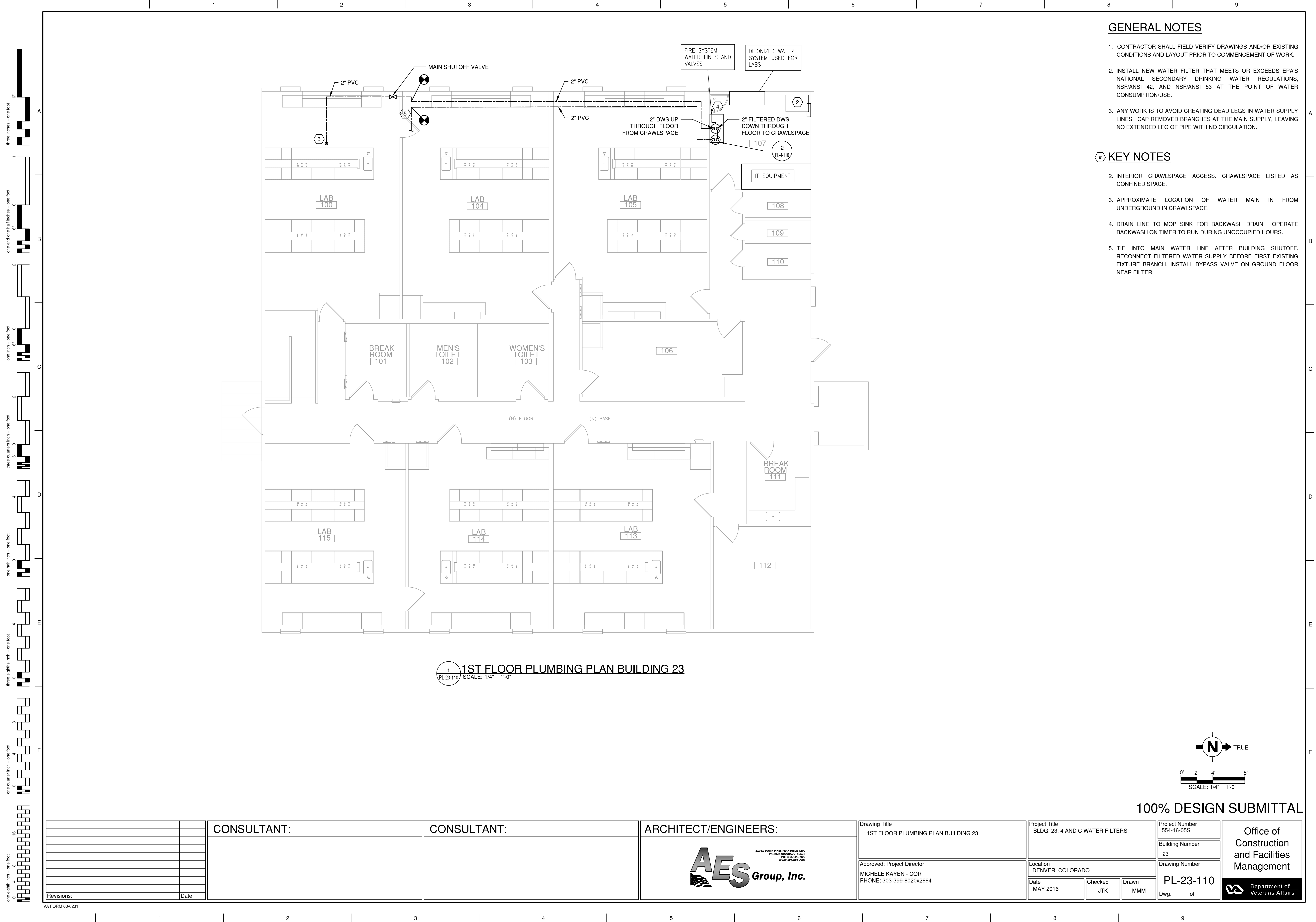
1. EXTERIOR CRAWLSPACE ACCESS. CRAWLSPACE LISTED AS UNOCCUPIED SPACE.
3. APPROXIMATE LOCATION OF WATER MAIN IN FRONT UNDERGROUND IN CRAWLSPACE.
4. DRAIN LINE TO MOP SINK FOR BACKWASH DRAIN. OPERATE BACKWASH ON TIMER TO RUN DURING UNOCCUPIED HOURS.
5. TIE INTO MAIN WATER LINE AFTER BUILDING SHUTOFF. RECONNECT FILTERED WATER SUPPLY BEFORE FIRST EXISTING FIXTURE BRANCH. INSTALL BYPASS VALVE ON GROUND FLOOR NEAR FILTER.
6. CURRENT POINT OF CONNECTION FOR EXISTING HOSE BIBB. CAP EXISTING BRANCH AT MAIN AND RECONNECT HOSE BIBB LEG TO MAIN PRIOR TO NEW SPLIT FOR WATER FILTER.
7. NEW POINT OF CONNECTION FOR HOSE BIB BRANCH LINE.



2 WATER FILTER CONNECTION DETAIL
PL-4-110 SCALE: NTS

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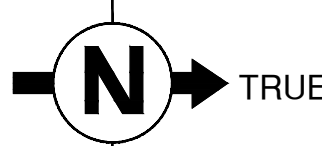
GENERAL NOTES

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KEY NOTES

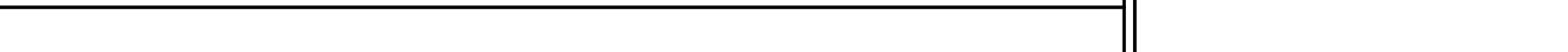

2. INTERIOR CRAWLSPACE ACCESS. CRAWLSPACE LISTED AS CONFINED SPACE.
3. APPROXIMATE LOCATION OF WATER MAIN IN FROM UNDERGROUND IN CRAWLSPACE.
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1 1ST FLOOR PLUMBING PLAN BUILDING 23
PL-23-110 SCALE: 1/4" = 1'-0"



0' 2' 4' 8'
SCALE: 1/4" = 1'-0"

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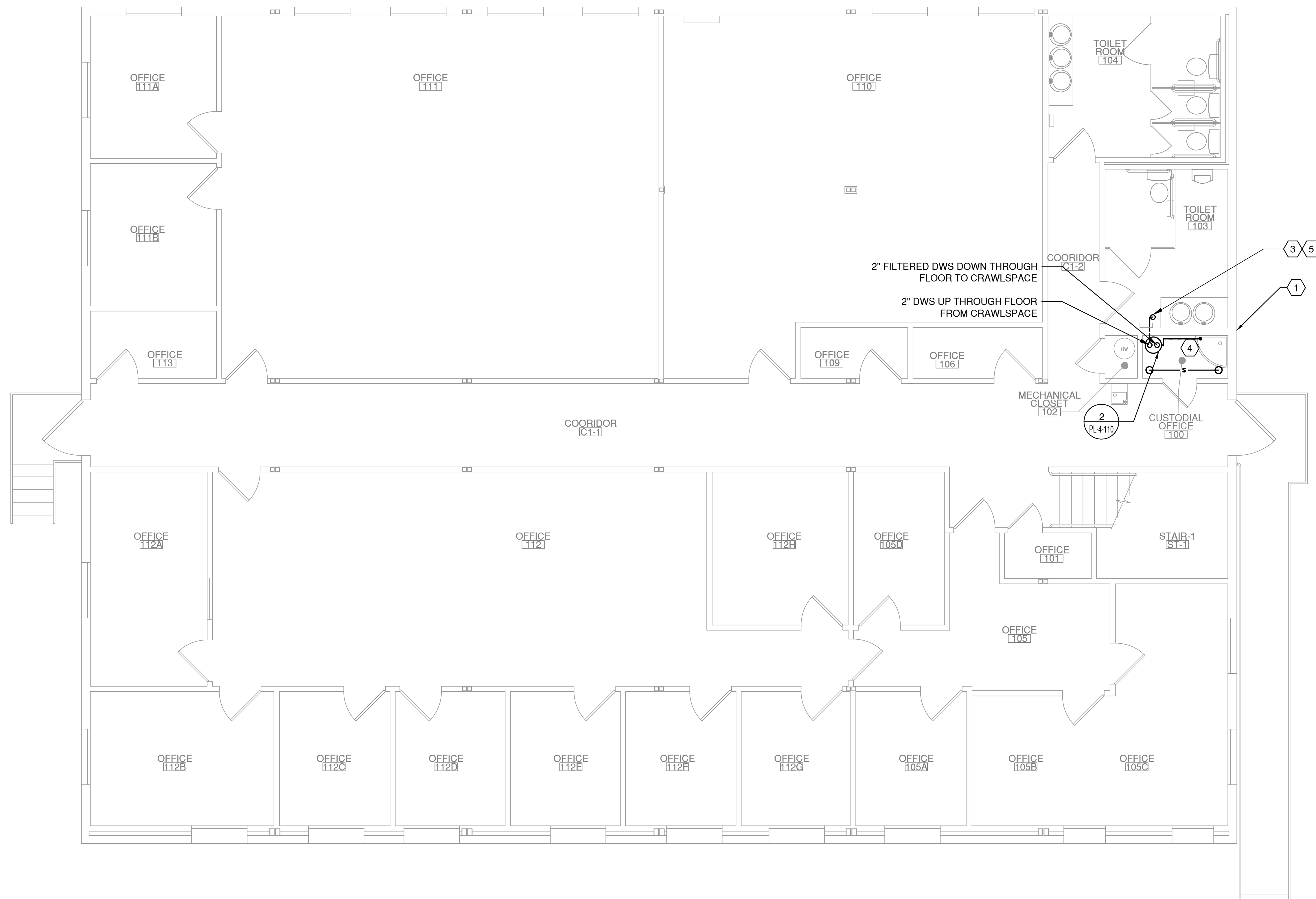
		CONSULTANT:	CONSULTANT:	ARCHITECT/ENGINEERS:	Drawing Title 1ST FLOOR PLUMBING PLAN BUILDING 23	Project Title BLDG. 23, 4 AND C WATER FILTERS	Project Number 554-16-05S	Office of Construction and Facilities Management				
				 <div>11011 SOUTH PIKES PEAK DRIVE #202 PARKER, COLORADO 80138 PH: 303-842-9922 WWW.AES-GRP.COM</div>			Building Number 23		Drawing Number PL-23-110			
					Approved: Project Director MICHELE KAYEN - COR PHONE: 303-399-8020x2664	Location DENVER, COLORADO	Date MAY 2016			Checked JTK	Drawn MMM	Dwg. of
Revisions:	Date								 Department of Veterans Affairs			

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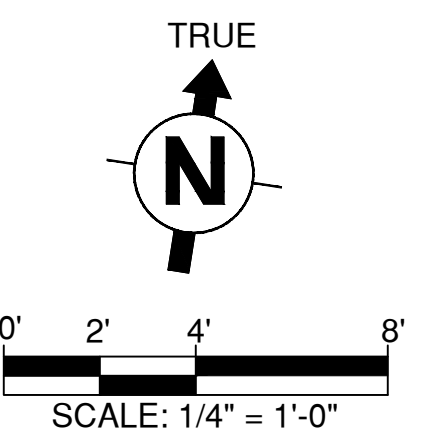
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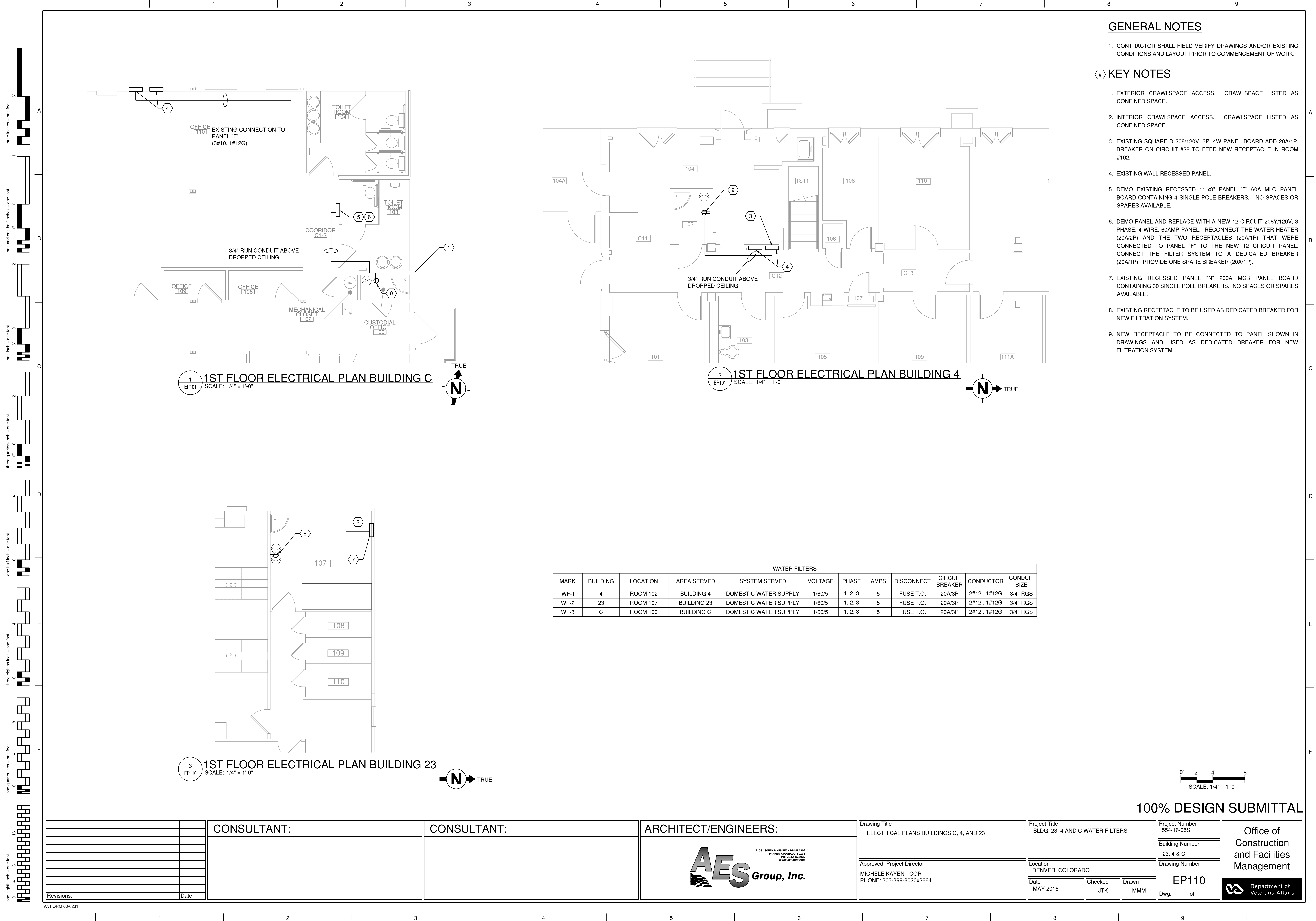
1
PL-C-110

1ST FLOOR PLUMBING PLAN BUILDING C
SCALE: 1/4" = 1'-0"



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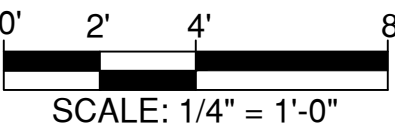
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2. INTERIOR CRAWLSPACE ACCESS. CRAWLSPACE LISTED AS CONFINED SPACE.
3. EXISTING SQUARE D 208/120V, 3P, 4W PANEL BOARD ADD 20A/1P BREAKER ON CIRCUIT #28 TO FEED NEW RECEPTACLE IN ROOM #102.
4. EXISTING WALL RECESSED PANEL.
5. DEMO EXISTING RECESSED 11"x9" PANEL "F" 60A MLO PANEL BOARD CONTAINING 4 SINGLE POLE BREAKERS. NO SPACES OR SPARES AVAILABLE.
6. DEMO PANEL AND REPLACE WITH A NEW 12 CIRCUIT 208Y/120V, 3 PHASE, 4 WIRE, 60AMP PANEL. RECONNECT THE WATER HEATER (20A/2P) AND THE TWO RECEPTACLES (20A/1P) THAT WERE CONNECTED TO PANEL "F" TO THE NEW 12 CIRCUIT PANEL. CONNECT THE FILTER SYSTEM TO A DEDICATED BREAKER (20A/1P). PROVIDE ONE SPARE BREAKER (20A/1P).
7. EXISTING RECESSED PANEL "N" 200A MCB PANEL BOARD CONTAINING 30 SINGLE POLE BREAKERS. NO SPACES OR SPARES AVAILABLE.
8. EXISTING RECEPTACLE TO BE USED AS DEDICATED BREAKER FOR NEW FILTRATION SYSTEM.
9. NEW RECEPTACLE TO BE CONNECTED TO PANEL SHOWN IN DRAWINGS AND USED AS DEDICATED BREAKER FOR NEW FILTRATION SYSTEM.

WATER FILTERS											
MARK	BUILDING	LOCATION	AREA SERVED	SYSTEM SERVED	VOLTAGE	PHASE	AMPS	DISCONNECT	CIRCUIT BREAKER	CONDUCTOR	CONDUIT SIZE
WF-1	4	ROOM 102	BUILDING 4	DOMESTIC WATER SUPPLY	1/60/5	1, 2, 3	5	FUSE T.O.	20A/3P	2#12 , 1#12G	3/4" RGS
WF-2	23	ROOM 107	BUILDING 23	DOMESTIC WATER SUPPLY	1/60/5	1, 2, 3	5	FUSE T.O.	20A/3P	2#12 , 1#12G	3/4" RGS
WF-3	C	ROOM 100	BUILDING C	DOMESTIC WATER SUPPLY	1/60/5	1, 2, 3	5	FUSE T.O.	20A/3P	2#12 , 1#12G	3/4" RGS



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		CONSULTANT:	CONSULTANT:	ARCHITECT/ENGINEERS:	Drawing Title ELECTRICAL PLANS BUILDINGS C, 4, AND 23	Project Title BLDG. 23, 4 AND C WATER FILTERS	Project Number 554-16-05S	Office of Construction and Facilities Management Department of Veterans Affairs
					Approved: Project Director MICHELE KAYEN - COR PHONE: 303-399-8020x2664	Location DENVER, COLORADO	Building Number 23, 4 & C	
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