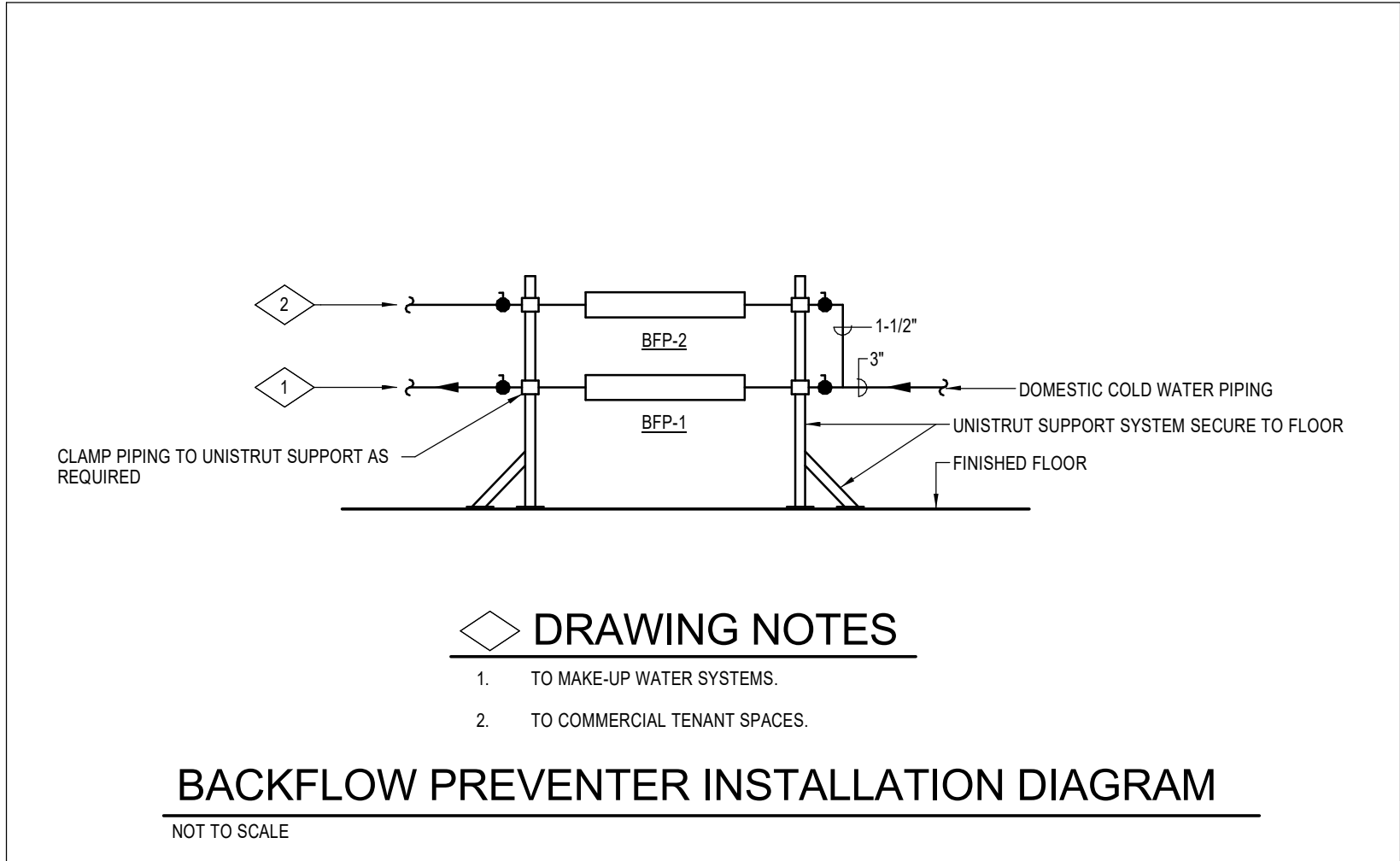
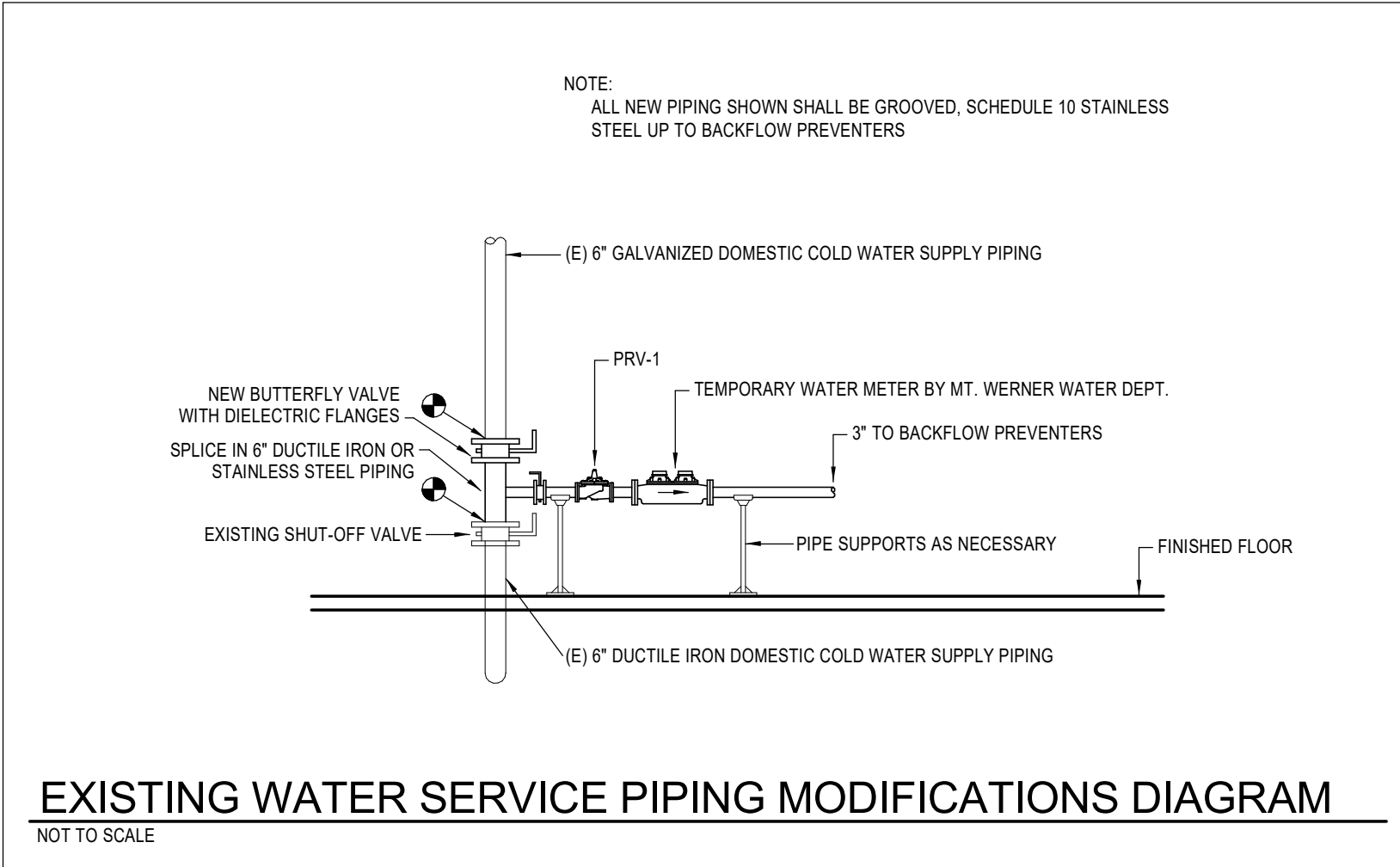
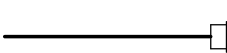

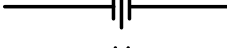

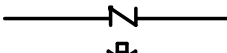

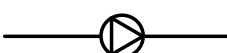

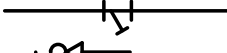



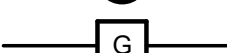



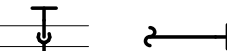



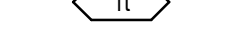

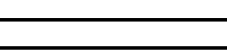


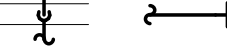
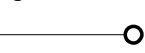



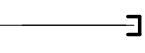
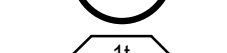




BACKFLOW PREVENTER SCHEDULE										
SYMBOL	SERVICE	MODEL	TYPE	MINIMUM FLOW (GPM)	MAXIMUM FLOW (GPM)	DESIGN FLOW (GPM)	PRESSURE DROP DESIGN (PSI)	SIZE (IN)	LENGTH (IN)	NOTES
BFP-1	MAKE-UP WATER	FCIS 375	REDUCED PRESSURE	10	250	200	8	3	45	1, 2, 3, 4
BFP-2	DOMESTIC WATER	FCIS 975XL2	REDUCED PRESSURE	1	80	60	8	1-1/2	26	1, 2, 3, 4
NOTES: 1. SCHEDULE BASED ON WILKINS. 2. ACCEPTABLE MANUFACTURERS INCLUDE: ZURN-WILKINS, WATTS, FEBCO, AMES. 3. CONNECTIONS TO DOMESTIC WATER SYSTEM SHALL BE LEAD FREE AND MEET THE REQUIREMENTS OF NSF/ANSI 61. 4. LENGTH INCLUDES STRAINER AND SHUT-OFF VALVE.										

WATER PRESSURE REDUCING VALVE SCHEDULE							
SYMBOL	MODEL	SIZE (IN)	DESIGN FLOW GPM	MINIMUM FLOW GPM	INLET PRESSURE (PSIG)	OUTLET PRESSURE (PSIG)	FALLOFF PRESSURE (PSIG)
PRV-1	ACV-115	3	200	1	110	65	5
NOTES: 1. EQUIPMENT SCHEDULE BASED ON: WATTS. 2. ACCEPTABLE MANUFACTURERS INCLUDE: WILKINS.							
SPECIFICATION: ALL BRONZE. SPRING AND DIAPHRAGM. MANUAL ADJUSTMENT FOR OUTLET WATER PRESSURE. 2" AND SMALLER SHALL HAVE FEMALE. THREAD CONNECTIONS. 2-1/2" AND LARGER SHALL HAVE FLANGED CONNECTIONS. PROVIDE WITH IN-LINE INLET STRAINER. VALVES SHALL BE SUITABLE FOR WATER PRESSURES UP TO 300PSI.							



PLUMBING LEGEND									
NOT ALL ITEMS LISTED BELOW ARE USED ON THIS SET OF PLUMBING DRAWINGS									
PLUMBING PIPING					PIPING SYMBOLS				
SYMBOL	ABBV.	DESCRIPTION			SYMBOL	DESCRIPTION			
---	DCW	DOMESTIC COLD WATER				WALL HYDRANT			
---	DHW	DOMESTIC HOT WATER				HOSE BIBB			
---	HWC	DOMESTIC HOT WATER CIRCULATION				BALL VALVE			
180	HW	DOMESTIC HOT WATER AT TEMP. SHOWN				BUTTERFLY VALVE			
SAN	SAN	SANITARY WASTE				CALIBRATED BALANCING VALVE			
---	LP DCW	LOW PRESSURE DOMESTIC COLD WATER				GATE VALVE			
---	HP DCW	HIGH PRESSURE DOMESTIC COLD WATER				CHECK VALVE			
---	LP DHW	LOW PRESSURE DOMESTIC HOT WATER				SOLENOID VALVE			
---	HP DHW	HIGH PRESSURE DOMESTIC HOT WATER				PRESSURE REDUCING VALVE			
---	SHWS	SOFT HEATING WATER SUPPLY				PUMP			
---	SHWR	SOFT HEATING WATER RETURN				ATMOSPHERIC VACUUM BREAKER			
---	LP DRHW	LOW PRESSURE DOMESTIC HEATING WATER RETURN				STRAINER			
---	HP DRHW	HIGH PRESSURE DOMESTIC HEATING WATER RETURN				RELIEF VALVE			
D	D	DRAIN				DOWNSPOUT NOZZLE			
V	V	SANITARY VENT				WATER HAMMER ARRESTER			
RD	RD	ROOF DRAIN				UNION			
OD	OD	OVERFLOW STORM DRAIN				REDUCER			
F	F	FIRE SPRINKLER				WATER METER			
FDC	FDC	FIRE DEPT. CONNECTION				GAS METER			
G	G	NATURAL GAS				PRESSURE GAUGE			
MPG	MPG	NATURAL GAS LOW PRESSURE				THERMOMETER			
LPG	LPG	NATURAL GAS MEDIUM PRESSURE				FLOOR SINK			
CA	CA	COMPRESSED AIR				AREA/FLOOR DRAIN			
PLUMBING PIPING SYMBOLS					PIPING SYMBOLS				
SYMBOL	DESCRIPTION				PIPING SYMBOLS				
	ARROW IN LINE INDICATES DIRECTION OF FLOW					WALL CLEANOUT			
---	EXISTING TO REMAIN					LINE CLEANOUT			
	BOTTOM PIPE CONNECTION					CONNECT NEW TO EXISTING			
	PIPING UP					RISER NUMBER AND SHEET BUBBLE			
	PIPING DOWN					EQUIPMENT DESIGNATION			
	FIXTURE TRAP OR DRAIN TRAP								
	PIPING CAP OR PLUG								
ABBREVIATIONS									
AFF	ABOVE FINISHED FLOOR	FFE	FINISHED FLOOR ELEVATION	NIC	NOT IN CONTRACT				
AFG	ABOVE FINISHED GRADE	FPC	FIRE PROTECTION CONTRACTOR	NO	NORMALLY OPEN				
AP	ACCESS PANEL	GC	GENERAL CONTRACTOR	NTS	NOT TO SCALE				
BFP	BACKFLOW PREVENTER	IE	INVERT ELEVATION	(R)	RELOCATED				
DN	DOWN	LCO	LINE CLEANOUT	SCO	SURFACE CLEAN OUT				
DNZ	DOWNSPOUT NOZZLE	MC	MECHANICAL CONTRACTOR	TYP	TYPICAL				
(E)	EXISTING	MH	MANHOLE	VIR	VALVE IN RISER				
EC	ELECTRICAL CONTRACTOR	(N)	NEW	VTR	VET THROUGH ROOF				
EL	ELEVATION	NC	NORMALLY CLOSED	WCO	WALL CLEAN OUT				
FCD	FLOOR CLEAN OUT								
NOTE:									
APPLICABLE CODE STANDARDS									
2021 INTERNATIONAL BUILDING CODE					2021 INTERNATIONAL ENERGY CONSERVATION CODE				
2021 INTERNATIONAL FIRE CODE					2021 INTERNATIONAL FUEL GAS CODE				
2021 INTERNATIONAL MECHANICAL CODE									
2021 INTERNATIONAL PLUMBING CODE									



**REVIEWED
FOR
CODE
COMPLIANCE**
02/07/2024

**STEAMBOAT GRAND
COMMERCIAL TENANTS TEMPORARY
DOMESTIC WATER SYSTEM**
2300 MT WERNER CIR,
STEAMBOAT SPRINGS, CO 80487

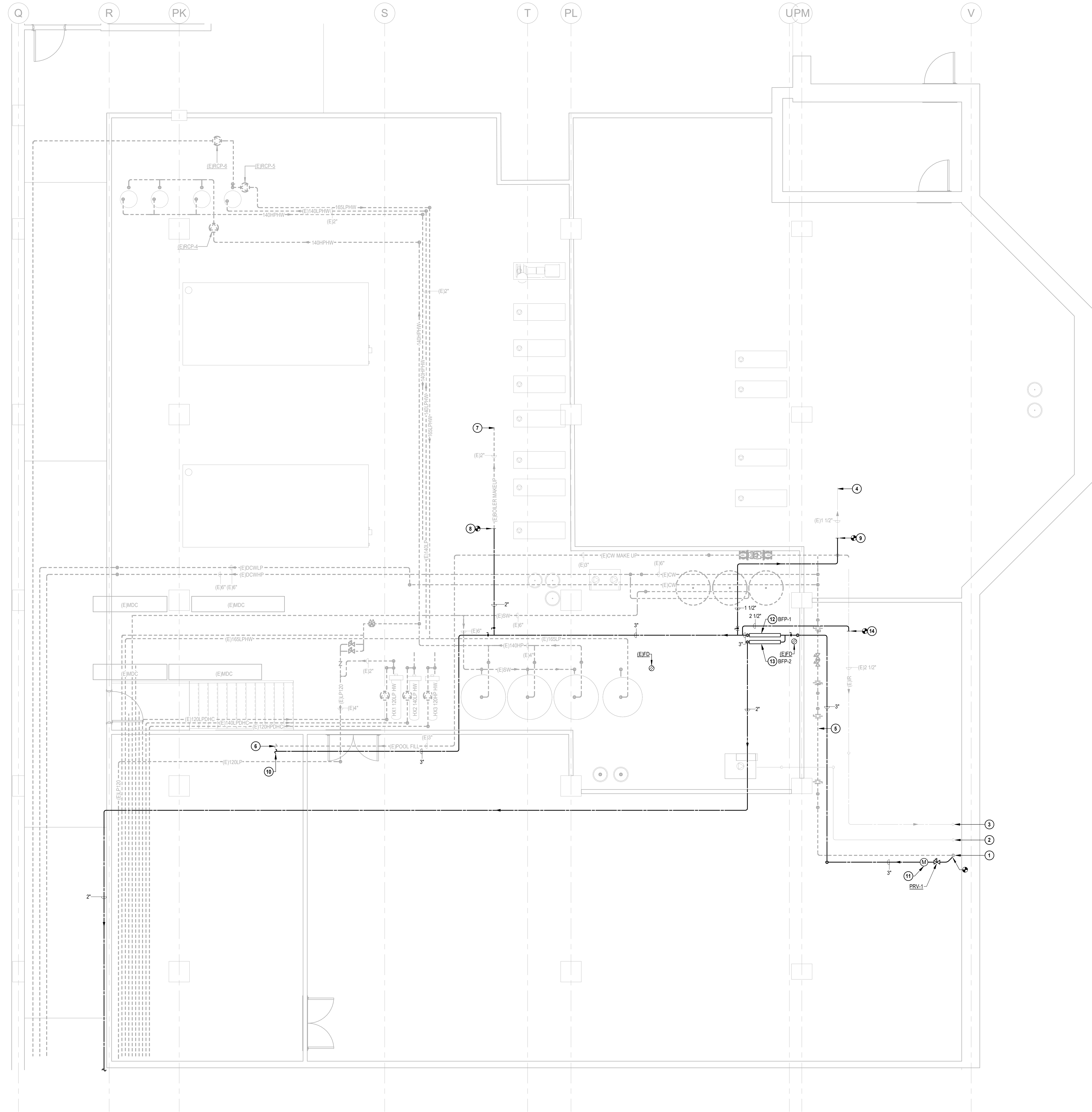
ISSUE: _____ DATE: _____
OWNER REVIEW: 10/13/2023
FOR PERMIT: 01/08/2024

PROJECT #: 23295
DESIGNED: MAB
CHECKED: KVB

**PLUMBING
LEGEND
SCHEDULES AND
DIAGRAMS**



P-001



PLUMBING DOMESTIC WATER PLAN EAST - MECHANICAL ROOM
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- COORDINATE WORK WITH CURRENT FULL BUILDING DOMESTIC COLD AND HOT WATER PIPING REPLACEMENT PROJECT. THAT PROJECT WILL TAKE PLACE FROM APPROXIMATELY APRIL 2024 THRU DECEMBER 2024. DURING THIS CONSTRUCTION, THE BUILDINGS DOMESTIC COLD AND HOT WATER SYSTEM WILL BE SHUT DOWN.
- SCOPE OF WORK TO INCLUDE MAINTAINING DOMESTIC COLD AND HOT WATER SYSTEMS FOR THE COMMERCIAL RETAIL SPACES, DURING THE PIPING REPLACEMENT PROJECT, SO THAT THEY MAY REMAIN OPEN, DURING THE PIPING REPLACEMENT PROJECT.
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS WITH ALL WORK SHOWN ON THIS PLAN, PRIOR TO THE START OF CONSTRUCTION. NOTIFY THE OWNER/ENGINEER OF ANY DISCREPANCIES.
- CONTRACTOR SHALL INSTALL PIPING SO THAT ALL NEW PIPING CAN BE SUPPORTED FROM EXISTING PIPE SUPPORTS, TRAPEZE SUPPORTS, HANGERS, ETC.
- PIPE ROUTING SHOWN FOR INTENT OF PROJECT. CONTRACTOR SHALL DETERMINE BEST POSSIBLE PIPE ROUTING WITH EXISTING CONDITIONS, MATERIAL, BUILDING CONSTRUCTION AND INSTALL ACCORDINGLY.

DRAWING NOTES

- EXISTING DOMESTIC WATER SERVICE UP FROM BELOW SLAB ON GRADE.
- EXISTING FIRE SERVICE UP FROM BELOW SLAB ON GRADE.
- EXISTING IRRIGATION SERVICE UP FROM BELOW SLAB ON GRADE.
- EXISTING MAKE-UP WATER FOR CHILLED WATER SYSTEM TO REMAIN.
- EXISTING DOMESTIC WATER SERVICE.
- EXISTING POOL FILL.
- EXISTING 2" BOILER FILL SYSTEM. FIELD VERIFY.
- CONNECT NEW 2" TO EXISTING BOILER HEATING SYSTEM FILL PIPING. FIELD VERIFY.
- CONNECT NEW 1-1/2" COLD WATER TO EXISTING CHILLED WATER FILL SYSTEM. FIELD VERIFY.
- CONNECT NEW 3" TO EXISTING POOL FILL SYSTEM. FIELD VERIFY. CONTRACTOR SHALL FIELD VERIFY POINT WHERE FILL SYSTEM PIPING CHANGES TO PVC, DOWNSTREAM OF GALVANIZED PIPING.
- TEMPORARY 3" WATER METER. OBTAIN FROM MT. WERNER WATER DISTRICT. SEE DIAGRAM.
- TEMPORARY BFP-1, FOR BLDG FILL SYSTEMS. SEE DIAGRAM.
- TEMPORARY BFP-2, FOR COMMERCIAL SPACES DOMESTIC WATER SYSTEM. SEE DIAGRAM.
- CONNECT TEMPORARY 2-1/2" COLD WATER TO EXISTING IRRIGATION SYSTEM PIPING.



MEP ENGINEERING INC.
6402 S. Troy Circle, Ste 100 (W) 303.936.1623
Centennial, CO 80111 (F) 303.934.3299
info@mepeg-eng.com www.mepeg-eng.com

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02/07/2024

STEAMBOAT GRAND
COMMERCIAL TENANTS TEMPORARY
DOMESTIC WATER SYSTEM
2300 MT WERNER CIR,
STEAMBOAT SPRINGS, CO 80487

ISSUE	DATE
OWNER REVIEW	10/13/2023
FOR PERMIT	01/08/2024

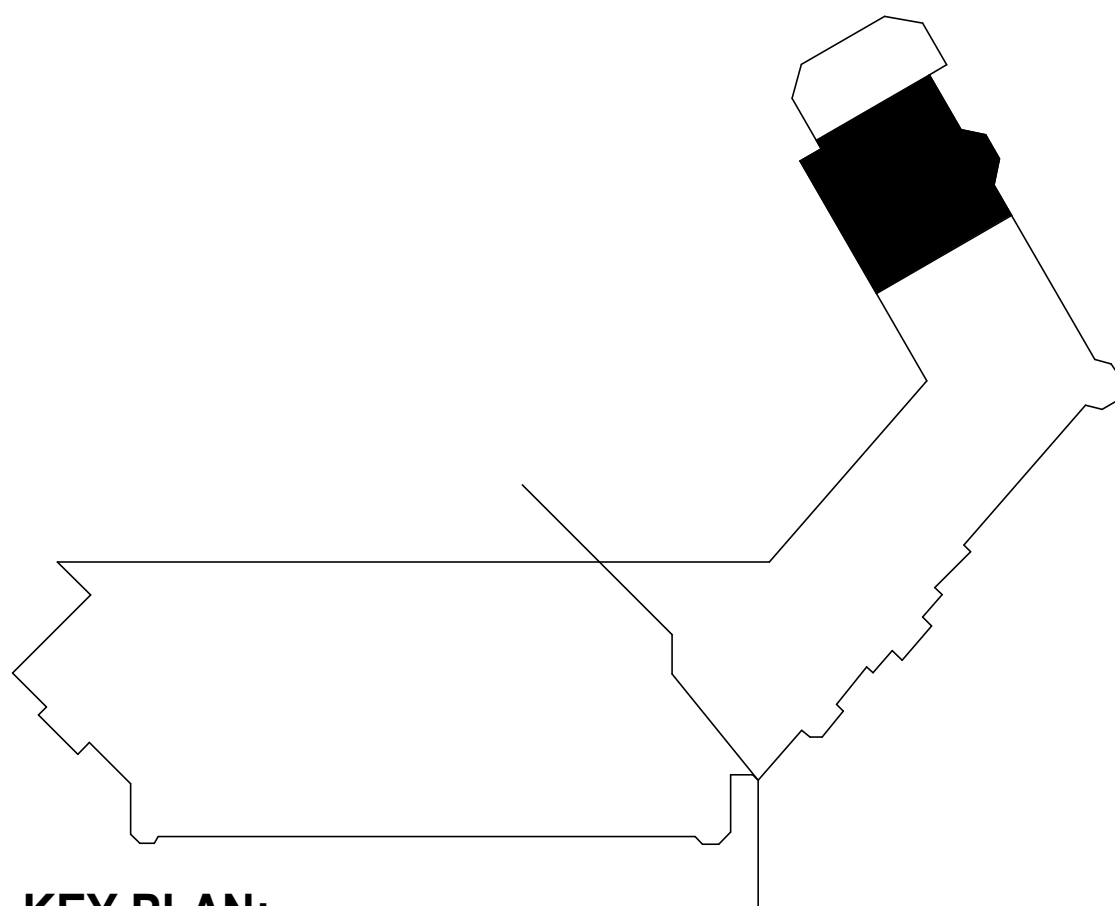
PROJECT #: 23295
DESIGNED: MAB
CHECKED: KVB

ENLARGED
MECHANICAL
ROOM PLUMBING
PLAN



P-100

KEY PLAN:





MEP ENGINEERING INC.
6402 S. Troy Circle, Ste 100 (W) 303.936.1623
Centennial, CO 80111 (F) 303.934.3299
info@meep-eng.com www.meep-eng.com

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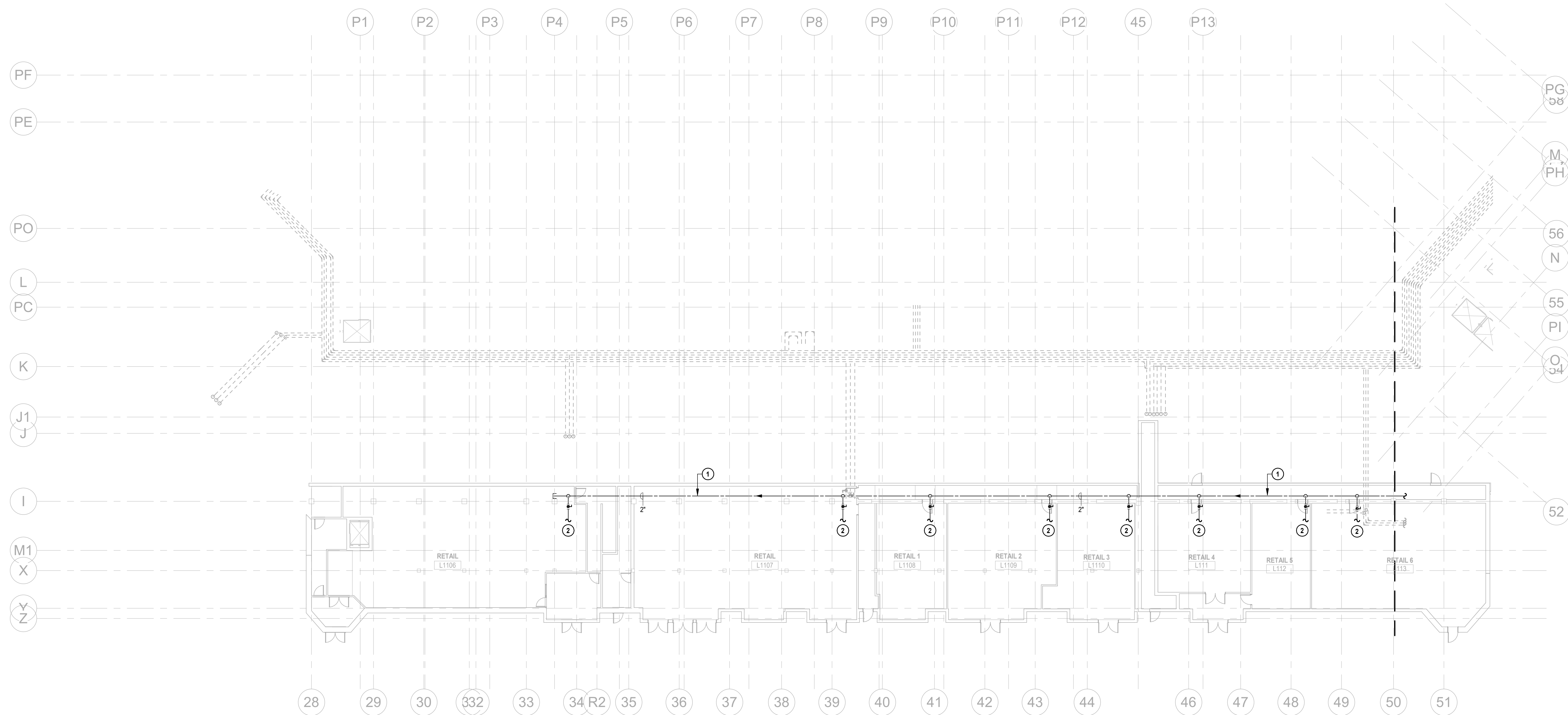
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PLUMBING PLAN -
SOUTH - PARKING
LEVEL



P-200



PLUMBING PLAN SOUTH - PARKING LEVEL
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

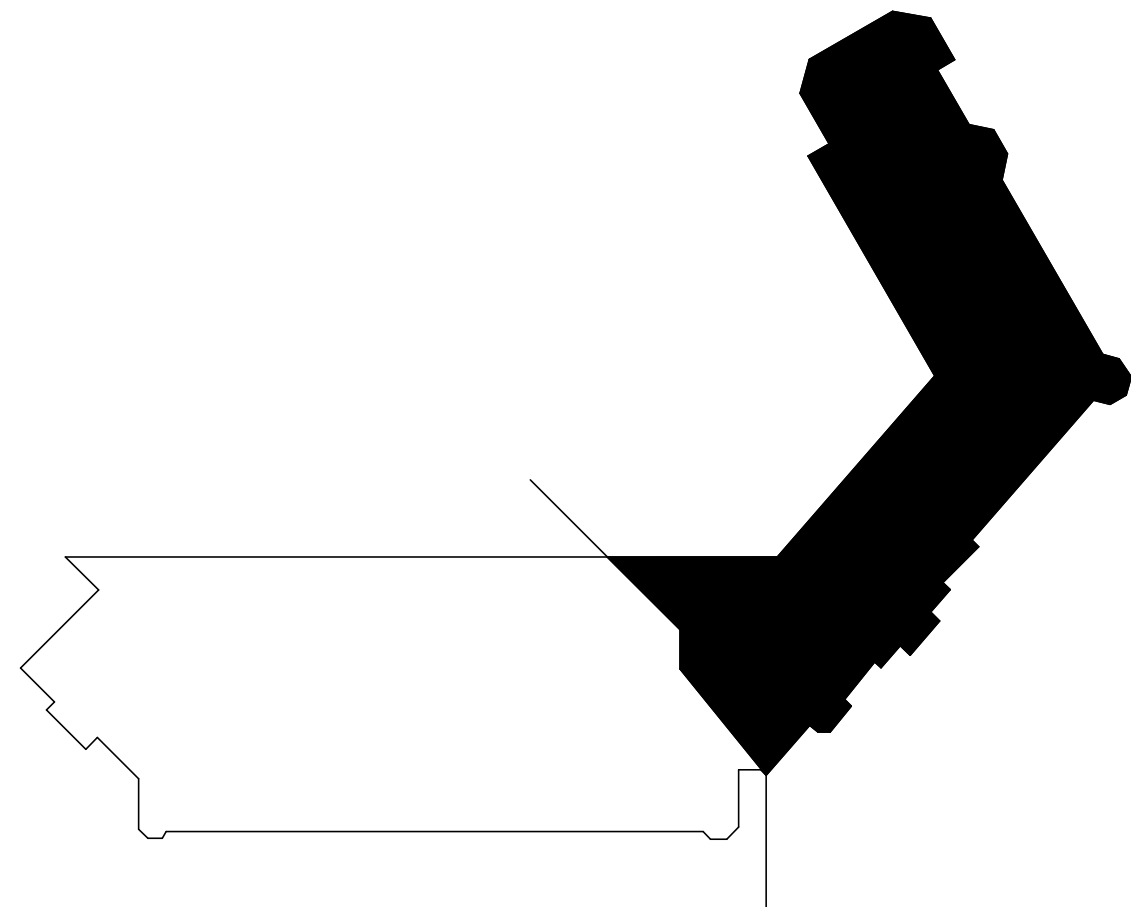
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL CUTTING AND PATCH WITH GENERAL CONTRACTOR.
- CONTRACTOR SHALL FIELD VERIFY ALL PLUMBING SYSTEMS, PIPE SIZES, SLOPES, INVERTS, DIRECTIONS OF FLOW, AND EXACT LOCATIONS PRIOR TO BEGINNING WORK.
- PLANS ARE DIAGRAMMATIC AND ONLY SHOW THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. THE PLANS DO NOT SHOW EVERY OFFSET AND TRANSITION. CONTRACTOR SHALL FOLLOW PLANS IN LAYING OUT WORK AND COORDINATE WITH OTHER TRADES TO VERIFY SPACE IN WHICH WORK IS INSTALLED.
- REFER TO SCHEDULES, DIAGRAMS AND ISOMETRIC DIAGRAMS FOR ALL PIPE SIZES NOT SHOWN ON PLAN. FIELD VERIFY EXISTING PIPE SIZES PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ANY AND ALL SERVICE DOWNTIME WITH AFFECTED TENANT(S) AND PROJECT MANAGER PRIOR TO THE INTERRUPTION OF SERVICE.
- COORDINATE SCHEDULE OF FLOOR PENETRATIONS AND WASTE PIPE INSTALLATION WITH TENANT BELOW AND BUILDING MANAGEMENT PRIOR TO BEGINNING CONSTRUCTION. UTILIZE ANY EXISTING ROUGH-IN AND BUILDING MAIN WASTE AND VENT CONNECTIONS.
- CONTRACTOR SHALL CONFIRM REQUIREMENTS FOR LOCATING STEEL REINFORCING PRIOR TO MAKING FLOOR PENETRATIONS. PERFORM FLOOR X-RAY AS REQUIRED TO LOCATE STEEL.
- CONTRACTOR SHALL FIELD VERIFY THE PIPING CONTINUITY OF SERVICE TO EXISTING FIXTURES TO REMAIN PRIOR TO BEGINNING DEMOLITION OF PIPING.
- NOT ALL PIPING SYSTEMS ARE SHOWN.

DRAWING NOTES

- ROUTE PIPING IN A MANNER THAT FOLLOWS THE EXISTING HEATING SUPPLY AND RETURN PIPING. CONTRACTOR SHALL FIELD VERIFY. SUPPORT TEMPORARY DOMESTIC WATER PIPING FROM EXISTING HEATING SUPPLY AND RETURN PIPING SUPPORTS. CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS AS REQUIRED.
- CONTRACTOR SHALL FIELD VERIFY ACTUAL COLD WATER SUPPLY PIPING SERVING EXISTING RETAIL SPACE. MAKE CONNECTIONS TO EXISTING BRANCHES ACCORDINGLY.

KEY PLAN:





- 1 ROUTE PIPING IN A MANNER THAT FOLLOWS THE EXISTING HEATING SUPPLY AND RETURN PIPING. CONTRACTOR SHALL FIELD VERIFY. SUPPORT TEMPORARY DOMESTIC WATER PIPING FROM EXISTING HEATING SUPPLY AND RETURN PIPING SUPPORTS. CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS.

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