

NOTE: THIS DOCUMENT MAY HAVE BEEN ELECTRONICALLY TRANSMITTED. IF UNSIGNED, IT CANNOT BE FILED FOR PUBLIC RECORD. PUBLIC RECORD FILINGS REQUIRE SIGNED AND SEALED DOCUMENTS.

BRANDT ENGINEERING, INC.  
1800 RHO HINAWAY, SUITE 300  
MIDLOTHIAN, VA 23113  
PHONE: (804)794-8886  
FAX: (804)794-8888  
EMAIL: cadd@beiric.com  
JOHN S. PARKER, PE  
VA PE # 021813

CONSULTANT

A REMODEL FOR:  
**KROGER R-215**  
7480 LEE HIGHWAY  
FAIRLAWN, VA

PROJECT  
**6-1-2020**  
DATE  
**CONSTRUCTION SET**

**WATER PLAN**

SHEET TITLE

NO.	DATE	DESCRIPTION

PROJECT NO: 20049  
CAD DWG FILE: 20049-P1.2.dwg  
DRAWN BY: PC  
CHK'D BY: DM/JJP

**P1.2**

SHEET NO.

**PLUMBING LEGEND**

SYMBOL/ABBREVIATION	DESCRIPTION
---	EXISTING TO BE REMOVED (SHOWN DASHED)
---	EXISTING PIPING (SHOWN LIGHT)
---	COLD WATER PIPING (CW)
---	HOT WATER PIPING (HW)
---	HOT WATER RETURN PIPING (HWR)
---	FILTERED WATER PIPING (FW)
---	RISE THRU FLOOR OR ROOF
---	DROP OR RISE
---	CAPPED PIPE
○	BALL VALVE
→	HOSE BIBB
⊥	YARD HYDRANT
BFP	BACKFLOW PREVENTER
HB	HOSE BIBB
WH	WATER HEATER
WHA	WATER HAMMER ARRESTOR
◆	NEW CONNECTION POINT

**PLAN NOTES**

- 1/2" HOT WATER TO CASETOP HOSE BIBB. SEE DETAIL PSD-21 ON DRAWING P5.1.
- CONNECT NEW COUNTERTOP SINK, ELC-18 OR ELC-28, TO EXISTING PIPING AT REMOVED SINK. PROVIDE AND INSTALL NEW SUPPLIES AND STOPS. SEE PSD-50 ON DRAWING P5.1.
- CONNECT URINAL, PLUR, TO EXISTING COLD WATER.
- CONNECT WATER CLOSET, PLTLE OR PLTLEH, TO EXISTING COLD WATER.
- 1/2" HOT AND COLD WATER TO SINK, PLIBR. TIE INTO EXISTING PIPING IN WALL.
- 3/8" COLD WATER WITH BACKFLOW PREVENTER, BFP-1 TO COFFEE MACHINE, DZOV.
- 1/4" FILTERED WATER WITH BACKFLOW PREVENTER, BFP-2 AND SHUT-OFF VALVE AT 3'-6" A.F.F. TO MINI-COMBINATION OVEN/STEAMER, S-Z, RUN DRAIN TO HUB DRAIN.
- 3/8" FILTERED WATER WITH SHUT-OFF VALVE, BACKFLOW PREVENTER, BFP-2 (RELIEF TO HUB DRAIN), PRESSURE REGULATOR (SEE MANUFACTURER'S REQUIREMENTS FOR SETTING) TO ICE FLAKER, S36TSC-8.
- 1/2" COLD WATER TO PRODUCE REVERSE OSMOSIS SYSTEM, ELPROWS. INSTALL BACKFLOW PREVENTER, BFP-3 AND RUN DRAIN TO HUB DRAIN AND INSTALL A WATTS NO. 909AFA AIR GAP ON DRAIN.
- 1/2" REVERSE OSMOSIS (RO) WATER TO PRODUCE MISTING CONTROLLER, ES4.
- INSTALL OWNER PROVIDED EYEWASH RETROFIT KIT. KIT WILL INCLUDE ASSE 1071 TEMPERING VALVE WITH COLD WATER BY-PASS. HAND HELD EYEWASH/DRENCH HOSE AND WALL BRACKET. REFER TO SPECIFICATION SECTION 224200.
- 3/4" HOT AND COLD WATER TO CONDITIONING SINK, EL3-20. SEE DETAIL PSD-7A ON DRAWING P5.1.
- 3/8" NPT TEE INSTALLED BETWEEN FAUCET AND PRE-RINSE SPRAYER FOR 2 BUTTON PROPORTIONER, GE236-2C.
- 3/4" HOT AND COLD WATER TO CLEANING SINK, EL3-20. SEE DETAIL PSD-7 ON DRAWING P5.1.
- PROPORTIONER, GE235-3 TO HAVE A HOT WATER HOSE BIBB WITHIN 5 FT OF UNIT.
- 1/2" HOT AND COLD WATER TO HAND SINK, PLHSWE. TIE INTO EXISTING 1/2" PIPING IN WALL.
- 3/4" COLD WATER TO HOSE BIBB. MOUNT 2'-0" A.F.F. COORDINATE WITH MILLWORK DRAWINGS.
- 1/2" HOT AND COLD WATER TO 1-COMPARTMENT SINK, ELIPC-18. SEE DETAIL PSD-5A ON DRAWING P5.1.
- PROPORTIONER, GE235-2C. INSTALL A COLD WATER HOSE BIBB UNDER 3-COMPARTMENT SINK IF NOT EXISTING.
- 1/2" HOT AND COLD WATER TO HAND SINK, ELHSW OR ELHSSW.
- 3/4" HOT AND COLD WATER DROPS IN WALL AND RUN TO NEW SINKS.

**GENERAL NOTES :**

- BALL VALVES AND CHECK VALVES SHALL BE 10"-6" A.F.F. AND BRANCH TAKE OFFS.
- INSTALL CHECK VALVES AT ALL 3-COMPARTMENT SINKS.
- AT PREP ROOMS RUN PIPES IN WARM SPACE OUTSIDE INSULATED WALL PANELS, STUB THROUGH WALL TO SINKS INSIDE PREP ROOMS.
- INSTALL A BENT METAL PLATE OVER SUPPLY LINES IN LOCATIONS WHERE THEY MAY BE EXPOSED TO DAMAGE.
- ALL PIPE DROPS IN SALES AREA FROM ROOF FRAMING TO EITHER LOW WALLS OR EQUIPMENT SHALL BE COORDINATED AND GROUPED TOGETHER WITH OTHER PIPES AND CONDUITS.
- INSTALL AS REQUIRED ON ALL APPLIANCES AND EQUIPMENT BACKFLOW PREVENTERS AS REQUIRED BY CODE.

**NOTE TO CONTRACTOR ON EXISTING CONDITIONS**

- CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SURVEY ALL EXISTING CONDITIONS AND EQUIPMENT PRIOR TO SUBMITTING BID FOR WORK REQUIRED BY THESE DOCUMENTS.
- IF AT ANY TIME THERE IS DISCREPANCY BETWEEN THE PLANS AND SPECS, OR CONFUSION/CONCERN OVER REQUIRED WORK, CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT, ENGINEER, AND/OR OWNER AND GET DIRECTION BEFORE PROCEEDING WITH WORK IN QUESTION.
- FOR ALL EXISTING EQUIPMENT TO BE RELOCATED AND OR RE-USED, CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTION, SAFE STORAGE, AND RECONNECTION OF SAID EQUIPMENT COMPLETELY.
- LOCATIONS OF EXISTING SYSTEMS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL SYSTEM LOCATIONS PRIOR TO WORK.

