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DATE:	<b>7-08</b>
REV:	<b>A</b>
PREPARED BY:	<b>ELG</b>
CHECKED BY:	<b>DS</b>
DATE:	<b>3-07</b>

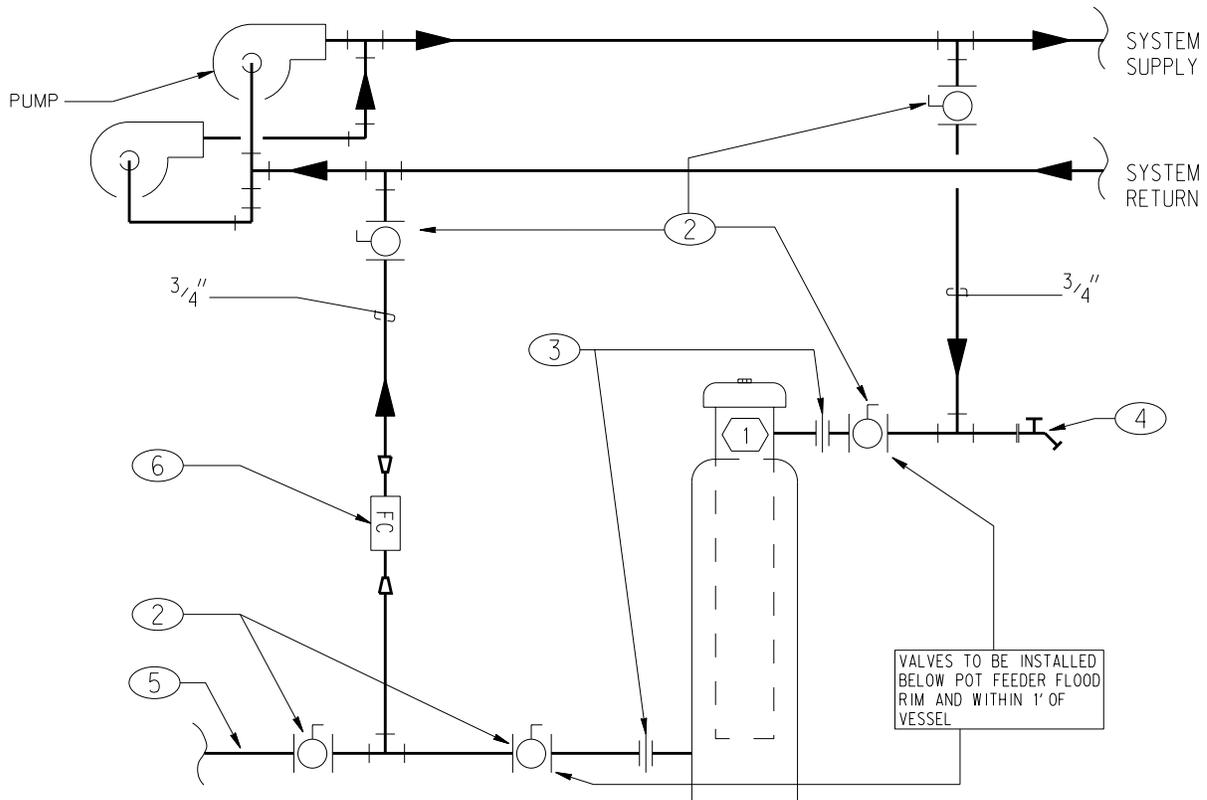
SANDIA NATIONAL LABORATORIES  
FACILITIES ENGINEERING

DRAWING NO.:  
**MP5013**

SCALE:  
**NONE**

**BY-PASS FEEDER**

**MECHANICAL  
DISCIPLINE**



- ① **FILTER / FEEDER:**  
NEPTUNE FTF-5HP 5-GALLON, OPERATING PRESSURE UP TO 300 PSIG, OPERATING TEMPERATURE UP TO 200° F. MAXIMUM FLOW 40 GPM / PRESSURE DROP 3 PSI. STANDARD MODEL TO INCLUDE STAINLESS STEEL FILTER BAG SCREEN. REPLACEMENT FILTER IS A 5 MICRON POLYPROPYLENE BAG FILTER. SUPPORT AT FLOOR OR WALL AT A MAXIMUM HEIGHT OF 5' ABOVE FINISHED FLOOR. UPON COMPLETION OF SYSTEM PRESSURE TESTING AND FLUSHING, WATER TREATMENT CHEMICALS SHALL BE ADDED TO PROVIDE A CONCENTRATION AS DETERMINED BY AN SNL WATER TREATMENT CONSULTANT.
- ② **BALL VALVE:**  
FULL PORT BALL FOR ISOLATION AND REGULATING FLOW THROUGH THE FILTER/FEEDER.
- ③ **UNION:**  
PROVIDE UNIONS AT UNIT FOR SERVICING.
- ④ **HOSE BIBB:**  
PROVIDE HOSE BIBB BETWEEN INLET ISOLATION VALVE AND FILTER / FEEDER FOR CHEMICAL SAMPLING.
- ⑤ **DRAIN LINE:**  
ROUTE DRAIN LINE TO NEAREST FLOOR DRAIN.
- ⑥ **FLOW CONTROL CIRCUIT SETTER**  
SET AT 5% OF TOTAL SYSTEM FLOW.