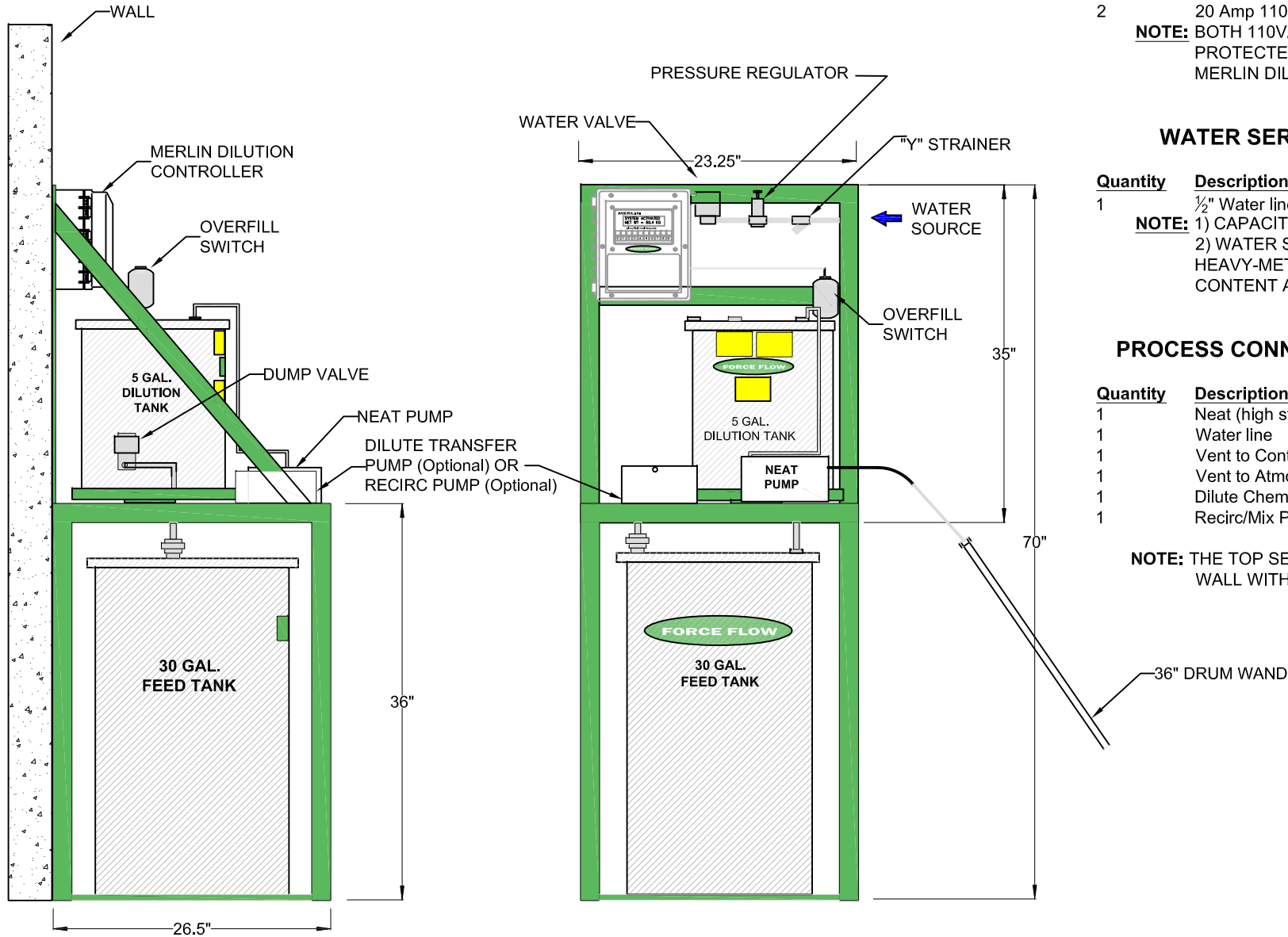


**MODEL MDS-5D-30F**  
**MERLIN DILUTION SYSTEM**

5D = 5 Gallon Dilution Tank  
 30F = 30 Gallon Feed Tank



**ELECTRICAL REQUIREMENTS:**

Quantity	Description
4	2-conductor circuit for 4-20mA signal
1	2-conductor circuit for Alarm signal
2	20 Amp 110VAC 60 Hz

**NOTE:** BOTH 110VAC CIRCUITS MUST BE SURGE PROTECTED AND DEDICATED TO THE MERLIN DILUTION SYSTEM!!

**WATER SERVICE REQUIREMENTS:**

Quantity	Description
1	½" Water line (25 PSI minimum - 100 PSI maximum)

**NOTE:** 1) CAPACITY CALCULATIONS MADE @ 50 PSI  
 2) WATER SOURCE MUST HAVE LOW HEAVY-METAL (Copper, Iron, Manganese, etc.) CONTENT AND LOW TOTAL HARDNESS.

**PROCESS CONNECTIONS REQUIREMENTS:**

Quantity	Description
1	Neat (high strength) Chemical Pump
1	Water line
1	Vent to Containment
1	Vent to Atmosphere
1	Dilute Chemical Pump (Optional)
1	Recirc/Mix Pump (Optional)

**NOTE:** THE TOP SECTION CAN BE MOUNTED TO THE WALL WITHOUT THE LEG SECTION



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MERLIN DILUTION SYSTEM  
 Model MDS-5D-30F

Drawn by: KBV  
 Date: 3/11/09  
 Verified: 7-Nov-11  
 Scale:

Drawing Number

**31409**