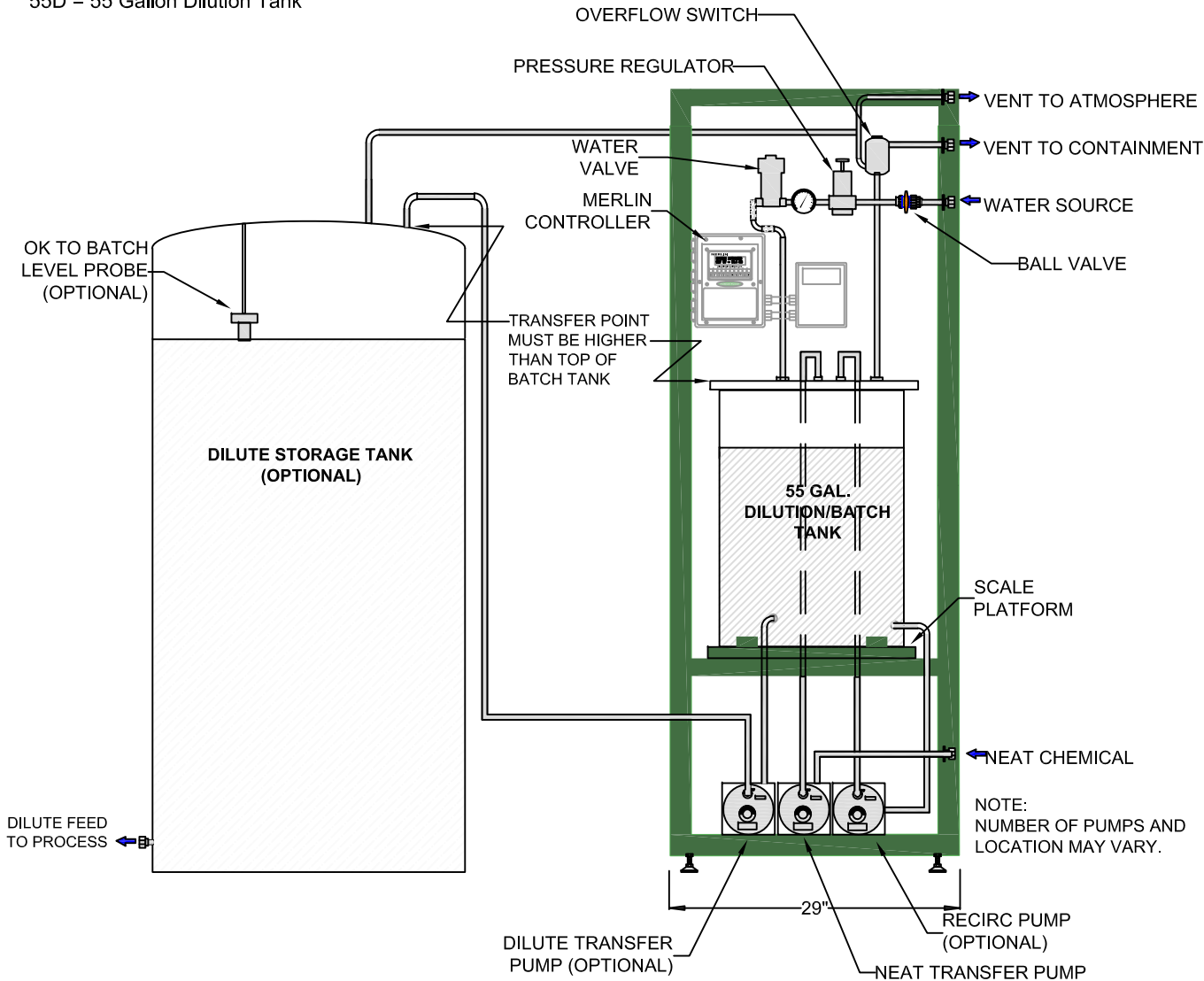


**MODEL MDS-55D**  
**MERLIN DILUTION SYSTEM**

55D = 55 Gallon Dilution 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	1-1/2" 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:** High Strength Chemical tank height MUST NOT exceed the height of the batch tank without special accommodations being made.



2430 Stanwell Dr, Concord, Ca 94520 USA  
 1-800-893-6723 US & Canada, Fax: 925-686-6713  
 WWW.forceflow.com / Info@forceflow.com

MERLIN DILUTION SYSTEM  
 MDS-55D

Drawn by: KBV  
 Date: 10/29/08  
 Revised: 7-Nov-11  
 Scale:

Drawing Number

31410