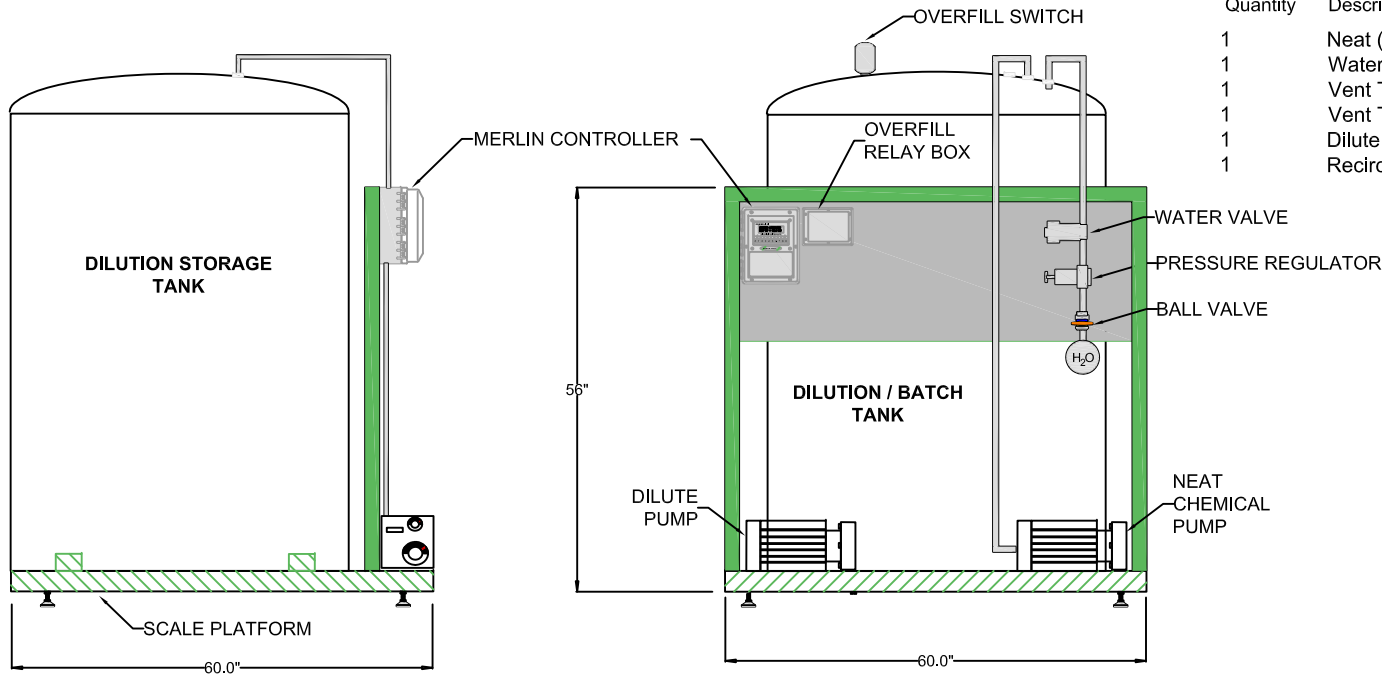
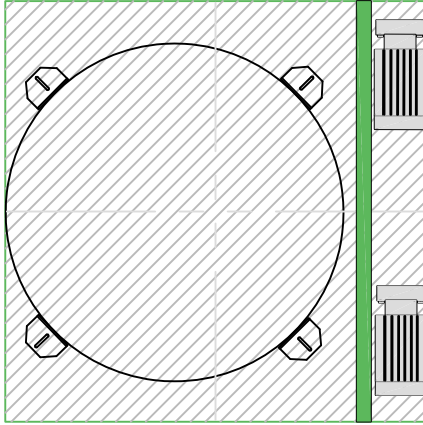


**MODEL: MDS-500D
MERLIN DILUTION SYSTEM**



ELECTRICAL REQUIREMENTS:

Quantity	Description
4	2-Conductor circuit for 4-20mA signal
1	2-Conductor circuit for Alarm signal
2	20 Amp 110VAC 60Hz (1 for controller, 1 for relay box)
2	20 Amp 230VAC 60Hz 1 phase for pump motors

NOTE: The Dilution Controller must be on a separate surge protected circuit from all other equipment. Additional circuits for pump operation to be sized according to pump requirements.

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 WATER HARDNESS.

PROCESS CONNECTION REQUIREMENTS:

Quantity	Description
1	Neat (high strength) Chemical Pump
1	Water Line
1	Vent To Containment
1	Vent To Atmosphere
1	Dilute Transfer Pump (optional)
1	Recirc/Mix Pump (optional)



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-500D

Drawn by: SLP

Date: 12/17/02

Verified: 9-Dec-11

Scale: NONE

Drawing Number

31205