

CALLOUTS

- 1

Main Fuel Storage Tank UL-142 DW or UL-2085 listed
- 2

FOS piping shall be ran 1" off bottom, FOR shall terminate at 50% fuel level.
- 3

FOS shall include N.C., 120 VAC, zero differential pressure solenoid.
- 4

Priming Tee installed at high point and downstream from solenoid valve.
- 5

Incoming power for SSFS control panel shall be dedicated circuit on emergency power.
- 6

Pump Inlet Y-strainer
- 7

Distribution manifold with tank inlet check valve, flow restrictor, float assembly and back-pressure valve.

- 8

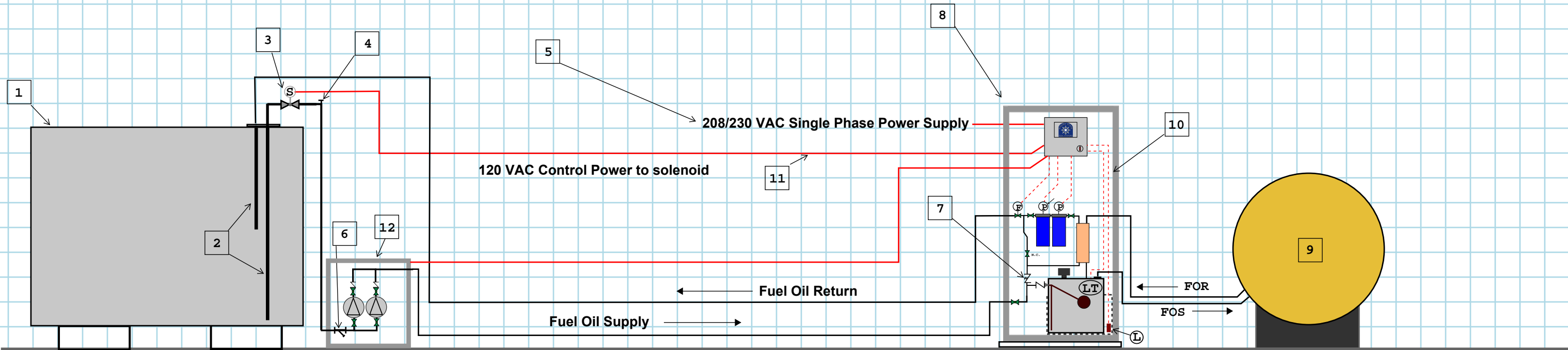
SSFS Fuel Delivery Skid assembly w/ tank, rupture basin, drip tray, filter manifold, heat exchanger, valves and sensors, isolation valves, and UL-508 PLC control panel with NEMA 4 enclosure, disconnect and HMI interface. Refer to SSFS detailed drawings on Sheets 4 & 5 for more information of fuel delivery skid assembly.
- 9

Emergency Generator
- 10






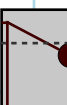






24 VDC sensor wiring, pre-installed on skid assembly.
- 11

120 VAC Anti-siphon solenoid power from control panel (field wired).
- 12

Duplex skid assembly with two 10 gpm, stainless steel, heavy duty, positive displacement rotary vane pumps with 1 HP, 208/230 VAC, Single phase, TEFC, continuous duty motors.



SYMBOLS KEY:

	3 GPM Shuttle Flow Switch		Rotary Vane Pump
	20 PSID Pressure Transducer		High Capacity/Efficiency Fuel Oil Filter (Particulate or Water Absorbing)
	Rupture Basin Leak Switch		14 Gallon Fuel Tank for Generator Fuel Supply
	120 VAC Solenoid Valve		UL-508 PLC Controller in NEMA 4 Enclosure w/ Touchscreen HMI
	4-20 mAmp Level Transducer		
	24 VDC Low Voltage		
	120 or 240 VAC High Voltage		
	Cross-flow Plate Heat Exchanger		

NOTE: Refer to SSFS Detail drawings for more information. SSFS skid assembly can be ordered with a duplex pump set or with remote duplex pumps to maximize configurations to meet system requirements.



DRAWN BY: B. Durkin
REVISION:
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SHEET 3

SSFS Remote Duplex fuel delivery system