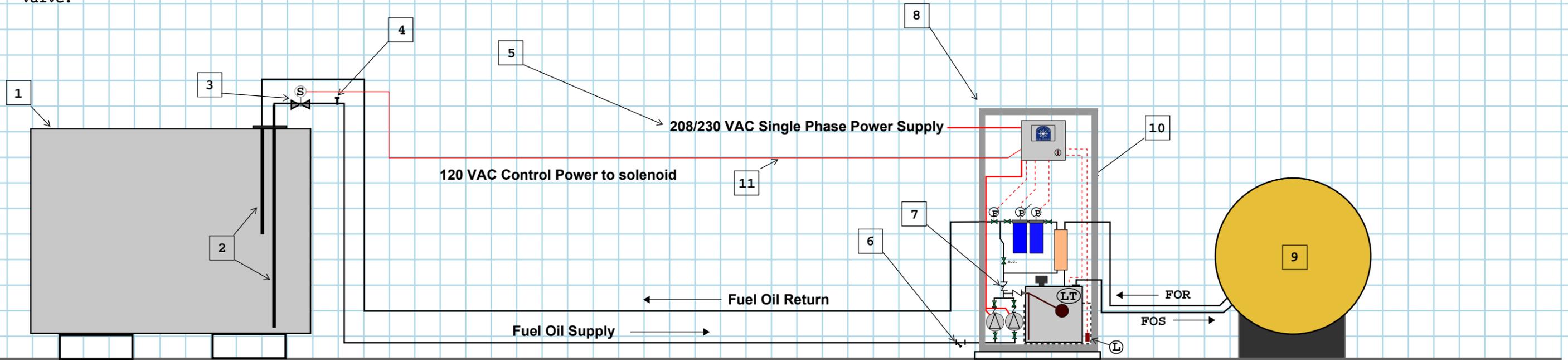


CALLOUTS

- 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, 10 gpm positive displacement pump, heat exchanger, valves and sensors, isolation valves (not illustrated) and UL-508 PLC control panel with NEMA 4 enclosure, disconnect and HMI interface. Refer to SSFS detailed drawings on Sheets 2 & 3 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).



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 mA 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: 2
 DATE: January 28th, 2025

SHEET 2

SSFS Duplex fuel delivery system