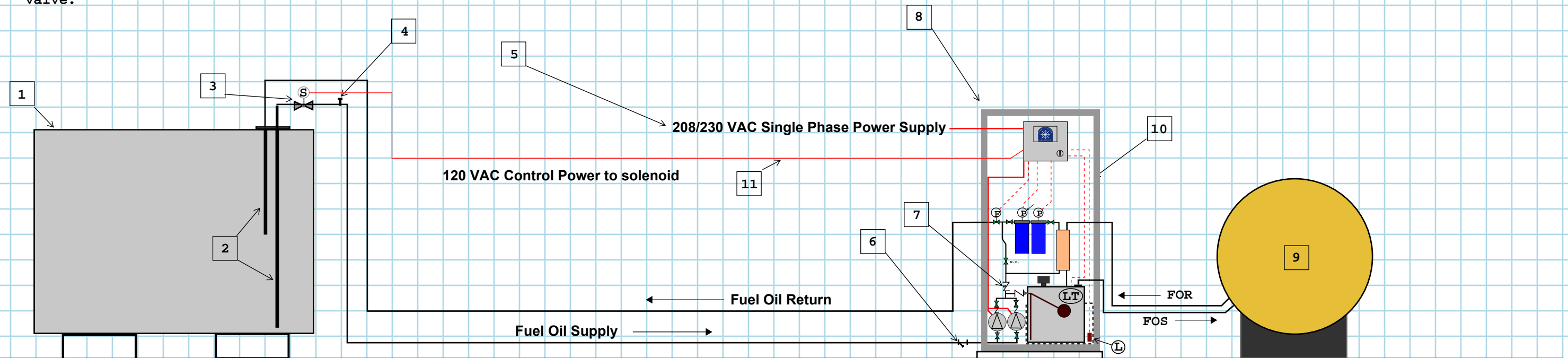






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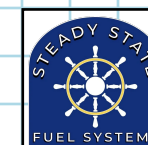
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|---|---|----|---|
| 1 | Main Fuel Storage Tank UL-142 DW or UL-2085 listed | 8 | SSFS Fuel Delivery Skid assembly w/ tank, rupture basin, drip tray, filter manifold, 10 gpm positive displacement pump, heat exchanger, valves and sensors, isolation 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. |
| 2 | FOS piping shall be ran 1" off bottom, FOR shall terminate at 50% fuel level. | 9 | Emergency Generator |
| 3 | FOS shall include N.C., 120 VAC, zero differential pressure solenoid. | 10 | 24 VDC sensor wiring, pre-installed on skid assembly. |
| 4 | Priming Tee installed at high point and downstream from solenoid valve. | 11 | 120 VAC Anti-siphon solenoid power from control panel (field wired). |
| 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. | | |



SYMBOLS KEY:

- | | |
|---|--|
| <p>③ 3 GPM Shuttle Flow Switch</p> <p>② 20 PSID Pressure Transducer</p> <p>① Rupture Basin Leak Switch</p> <p>⑤ 120 VAC Solenoid Valve</p> <p>④ 4-20 mA Level Transducer</p> <p>----- 24 VDC Low Voltage</p> <p>———— 120 or 240 VAC High Voltage</p> <p>① Cross-flow Plate Heat Exchanger</p> |  Rotary Vane Pump
 High Capacity/Efficiency Fuel Oil Filter (Particulate or Water Absorbing)
 14 Gallon Fuel Tank for Generator Fuel Supply
 UL-508 PLC Controller in NEMA 4 Enclosure w/ Touchscreen HMI |
|---|--|

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
