

- 1

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

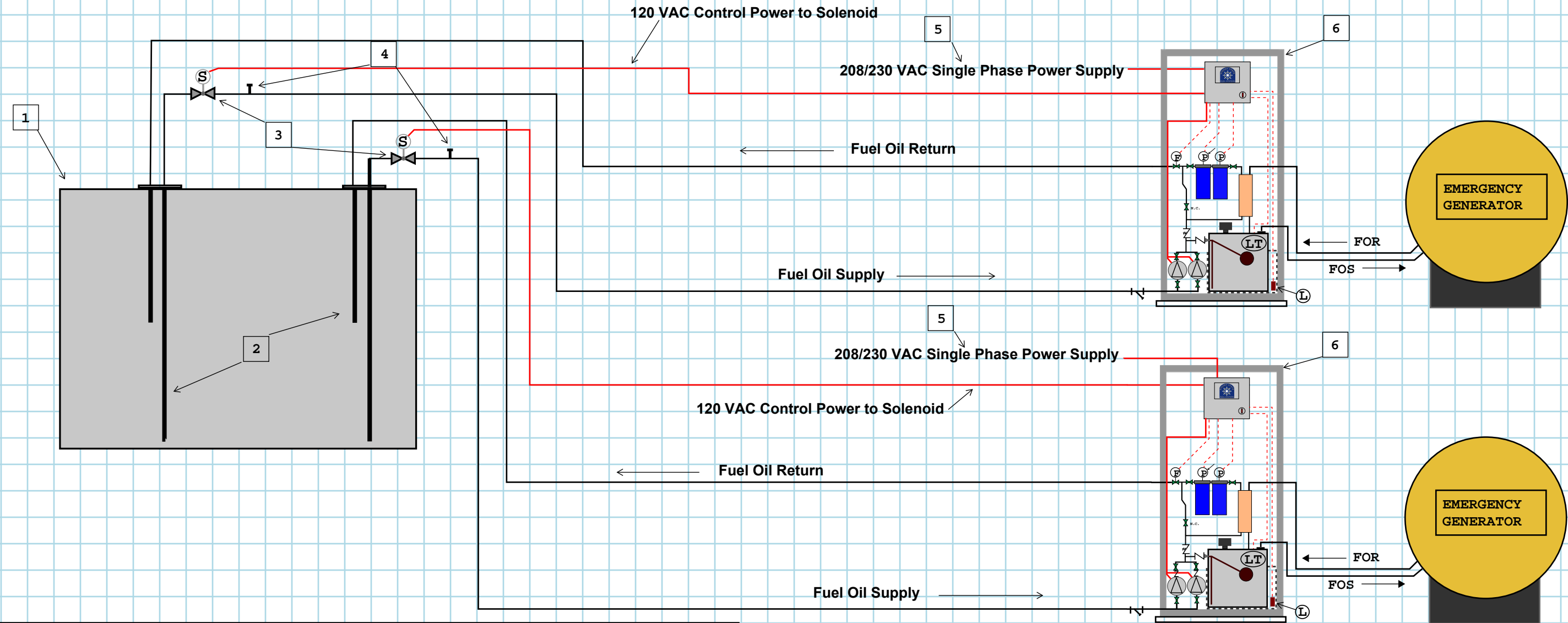
FOS piping shall be ran 1" off bottom, FOR shall terminate at 50% fuel level.
- 3

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

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, 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.



- Ⓟ

3 GPM Shuttle Flow Switch
- Ⓢ

20 PSID Pressure Transducer
- Ⓛ

Rupture Basin Leak Switch
- Ⓢ

120 VAC Solenoid Valve
- LT

4-20 mA Level Transducer
- 24 VDC Low Voltage
- 120 or 240 VAC High Voltage
- Ⓢ

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
- Ⓢ

Cross-flow Plate Heat Exchanger



DRAWN BY: B. Durkin
REVISION:
DATE: January 15th, 2025

SHEET 6

SSFS Duplex fuel delivery system. Redundant duplex.