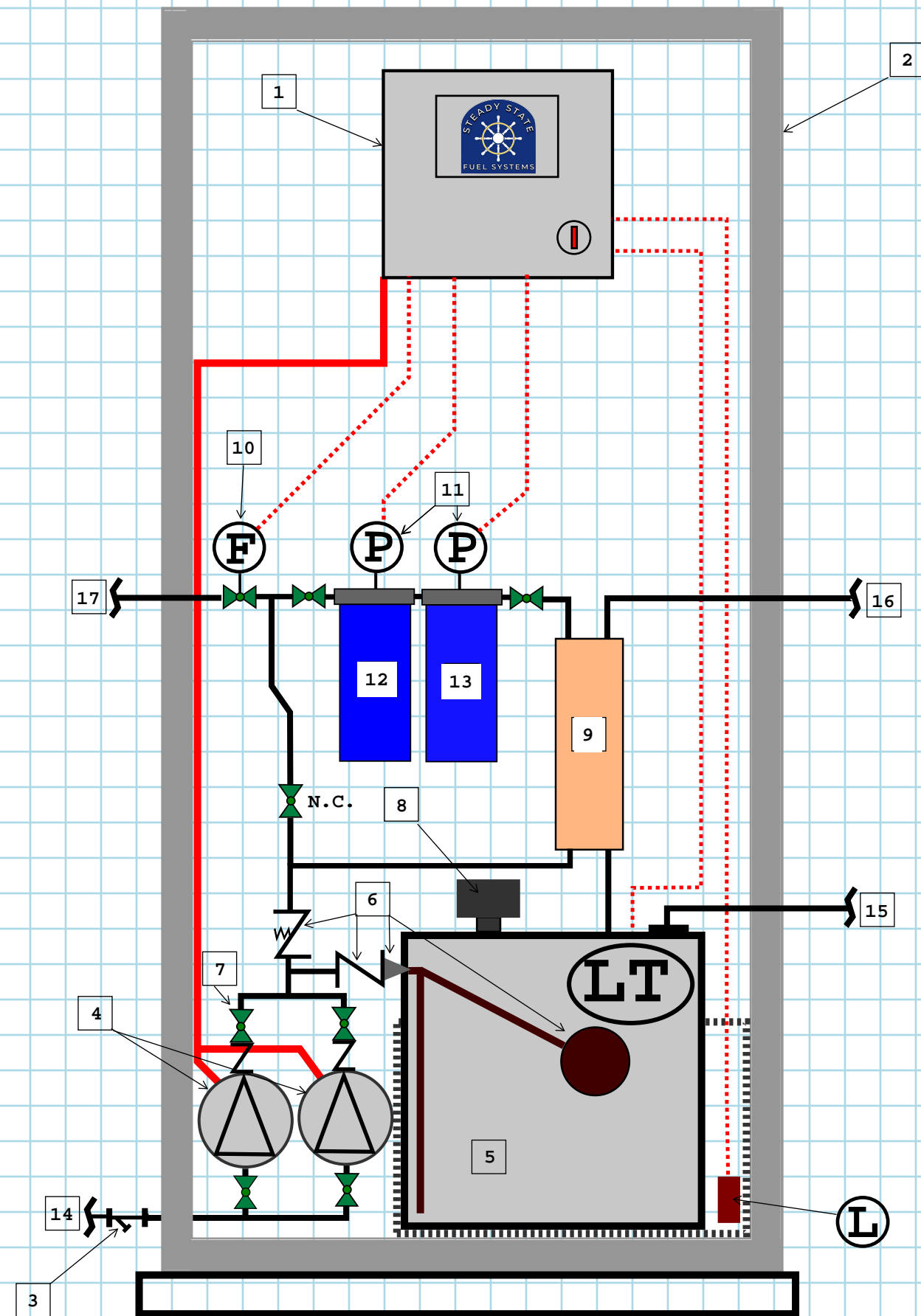


- 1 UL-508 PLC Controller in NEMA 4,non-metallic enclosure w/ high contrast touchscreen HMI & panel mounted disconnect.
- 2 Powder coated, mild steel square tube frame skid assembly with integral drip tray.
- 3 Pump inlet Y-strainer.
- 4 Rotary vane positive displacement pump with mechanical seal, stainless steel housing,1 hp 208/230 VAC,Single phase,1745 rpm,TEFC enclosure,continuous duty motor.
- 5 14 gallon mild steel fuel storage tank with bolted lid with gasket. Powder coat finish matching skid assembly. Fittings to accommodate sensors, lines and vent.
- 6 Fuel discharge manifold assembly with spring loaded back pressure valve, in line check valve, flow restrictor and float assembly.
- 7 Isolation valve typical of 5, all valves are normally open except for filter bypass valve which is marked as N.C.
- 8 Trap air breather vent cap for moisture control.
- 9 Cross flow plated heat exchanger. Uses main storage tank fuel to cool returning generator fuel.
- 10 Shuttle style flow switch.
- 11 Pressure transducer. Switch closes at 20 PSID.
- 12 High Efficiency, High capacity spin on particulate filter. Includes adapter with bypass at 25 psid and green/yellow/red filter change indicator.
- 13 High Efficiency, High capacity spin on water absorbing filter. Includes adapter with bypass at 25 psid and green/yellow/red filter change indicator.
- 14 Fuel Oil Supply from main/remote fuel storage tank. (FOS)
- 15 Fuel Oil Supply to generator. (FOSG)
- 16 Fuel Oil Return from generator. (FORG)
- 17 Fuel Oil Return to main/remote fuel storage tank. (FOR)



DRAWN BY: B. Durkin
REVISION:2
DATE: January 28th, 2025

SHEET 5

SSFS Duplex fuel delivery system