

## MASTER CONTROL PANEL

Simplex UL Listed Industrial Control Panel, as follows

1. UL508 listed industrial control panel. NEMA4, wall mountable, hinged, lockable and gasketed access door. Finish painted dark gray polyurethane enamel over epoxy primer. White interior.
2. PLC based control system.
  - a. Dual, redundant PLC system with auto-polling and auto backup reversion
  - b. Internal modem
  - c. Ethernet and MODBUS communication capability
3. Mimic type control panel with one-line schematic overlaid on systematic alarm and switch panel
4. Dual power supply with preferred source relay; normal, fail indicators and alarms.
5. Master alarm audible signal with silence pushbutton
6. Master indicator press-to-test pushbutton
7. Fuel storage tank control panels (2)
  - a. Return valve open, closed, tripped indicators
  - b. Main tank selector pushbuttons, 1-2
  - c. Pump control (2): selector switch, auto-off-manual indicators
  - d. Tank auto switchover at low using external input from UST monitoring system.
  - e. Duplex pump alternator
8. Remote valve control relays with synchronization error sensors
9. Industrial, oiltight control devices and LED
10. Remote alarm outputs, via Ethernet/MODBUS
11. Pump starters for remote pumps. NEMA4 enclosed, wall mountable, hinge-open front door, full-voltage, circuit breaker combination motor starter. Control power transformer
  - a. HOA switch
  - b. Run indicator
  - c. Power available indicator
  - d. Current sensor for interface with system selector panel.

