

OVERFLOW- RETURN TANK AND CONTROLLER

1. UL142 secondary containment tank, double wall construction.
 - a. Capacity as specified, typically 200-600 gallons
 - b. Pipe fittings, top mounted, per specification requirement, including primary, secondary emergency vents
 - c. Leak sensor
 - d. Gravity inlet fitting from day tank overflow manifold
 - e. Duplex submersible pumps, 30-40 GPM at 20-foot head, 1.5HP; equipped with check valve, shutoff valves and flexible fittings



2. Controller:
 - a. UL508 listed industrial control panel. NEMA4, wall or tank mountable
 - b. PLC based control system with MODBUS communication protocol
 - c. Differential level control with high level alarms
 - d. Ultrasonic level transmitter, dual redundant, with waveguides. 4-20mA output
 - e. Mimic type control panel with one-line schematic overlaid on systematic alarm and switch panel
 - f. Dual power supply
 - g. Master alarm audible signal with silence pushbutton
 - h. Master indicator press-to-test pushbutton
 - i. Duplex pump starters

