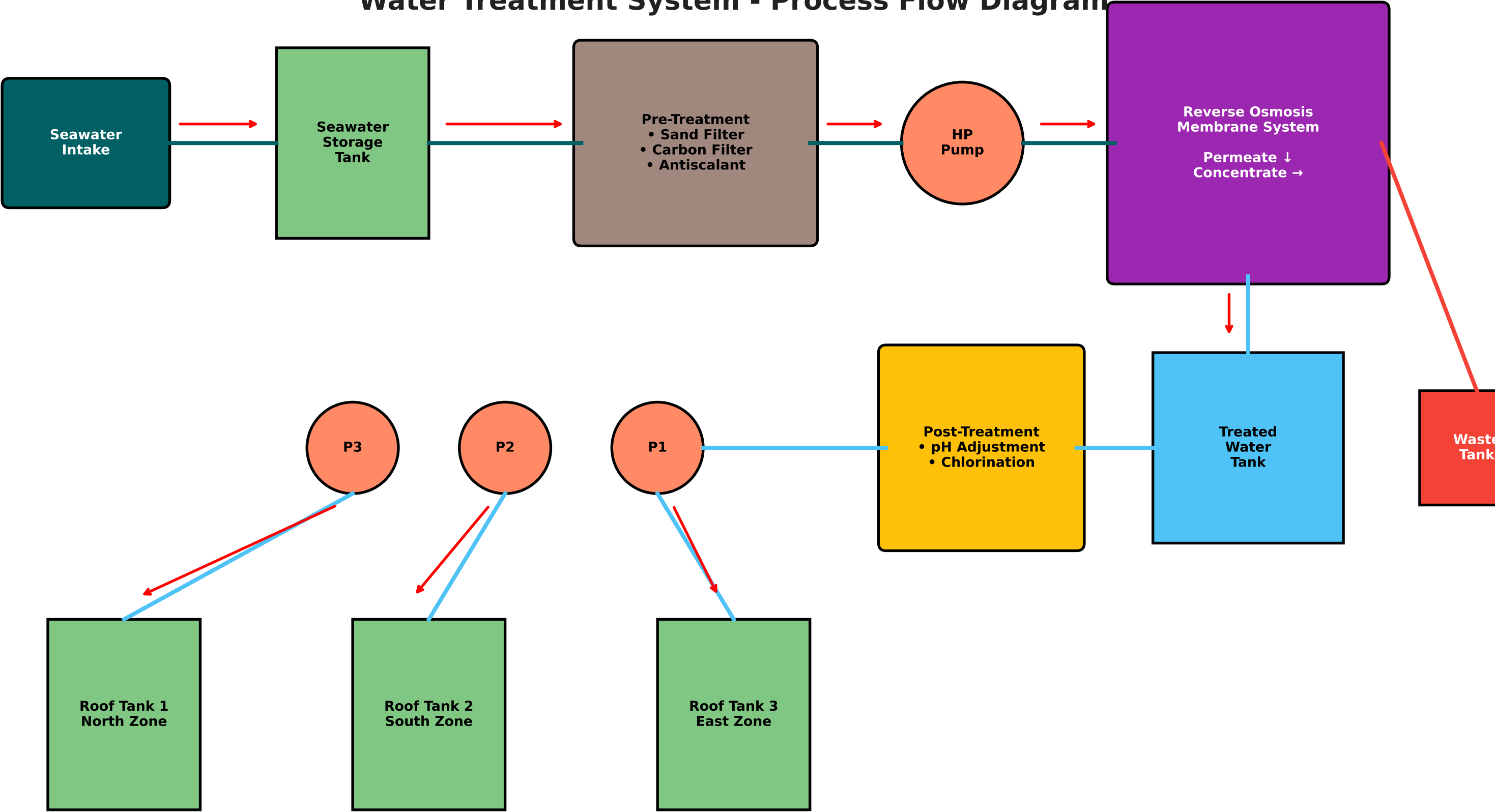


Water Treatment System - Process Flow Diagram



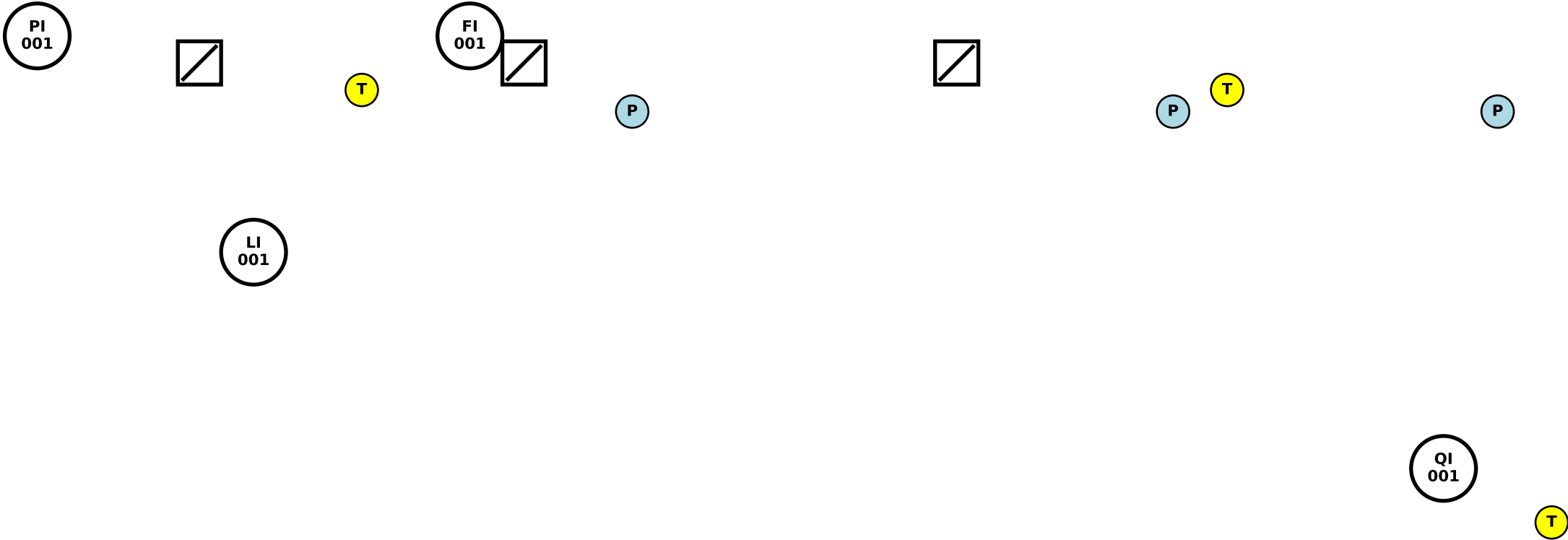
Legend:

- Seawater
- Treated Water
- Equipment
- Storage Tank
- Pump
- Waste

Key Process Parameters:

- Production Capacity: 10,000 L/hour
- RO Recovery Rate: 45%
- Operating Pressure: 55 bar
- Energy Consumption: ~125 kW
- Water Quality: <200 ppm TDS
- Distribution Zones: 3
- Storage Capacity: 30,000 L

Water Treatment System - P&ID



Control System Architecture

