

AMERICAN MANUFACTURING COMPANY, INC.



Innovative Technology for the Environmental
Age for Onsite Wastewater

◆ Onsite Products - Bull Run Valve, Dial-a-flow and D-
boxes

◆ Onsite Systems - Drip Dispersal, Sand Filters &
ATU

◆ Onsite Controls - Residential and Commercial

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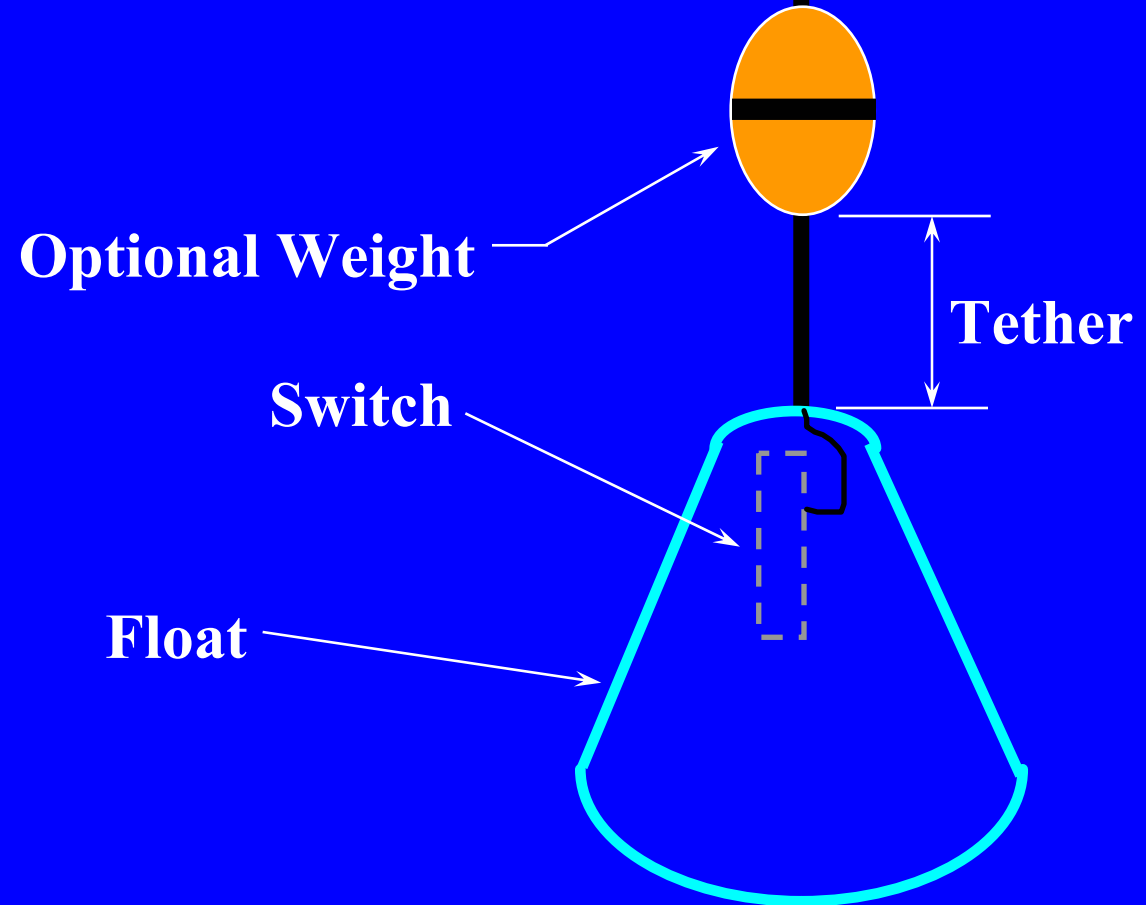
1-800-345-3132

NC STATE UNIVERSITY

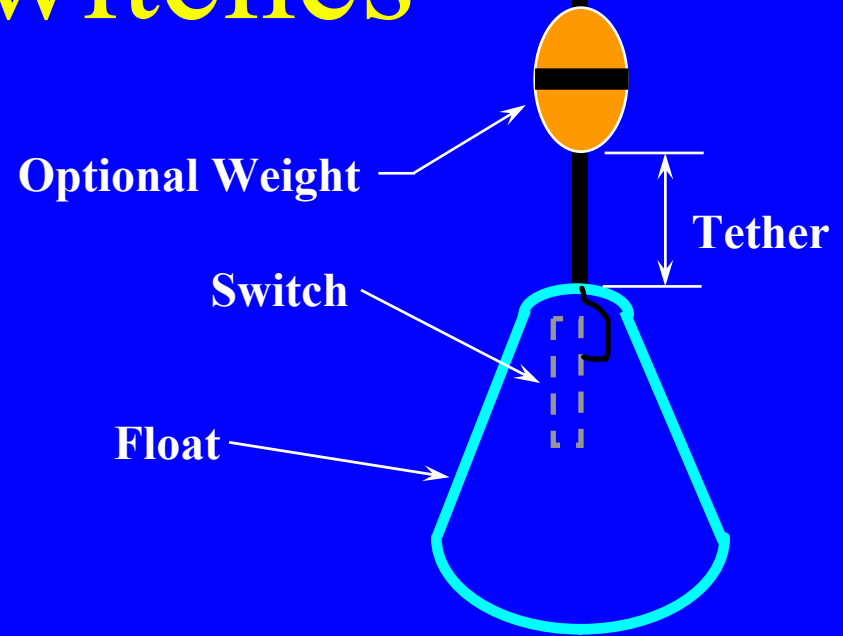
22ND Annual On-Site Wastewater
Treatment Conference

Control Panels vs. Piggy-Back Float
systems

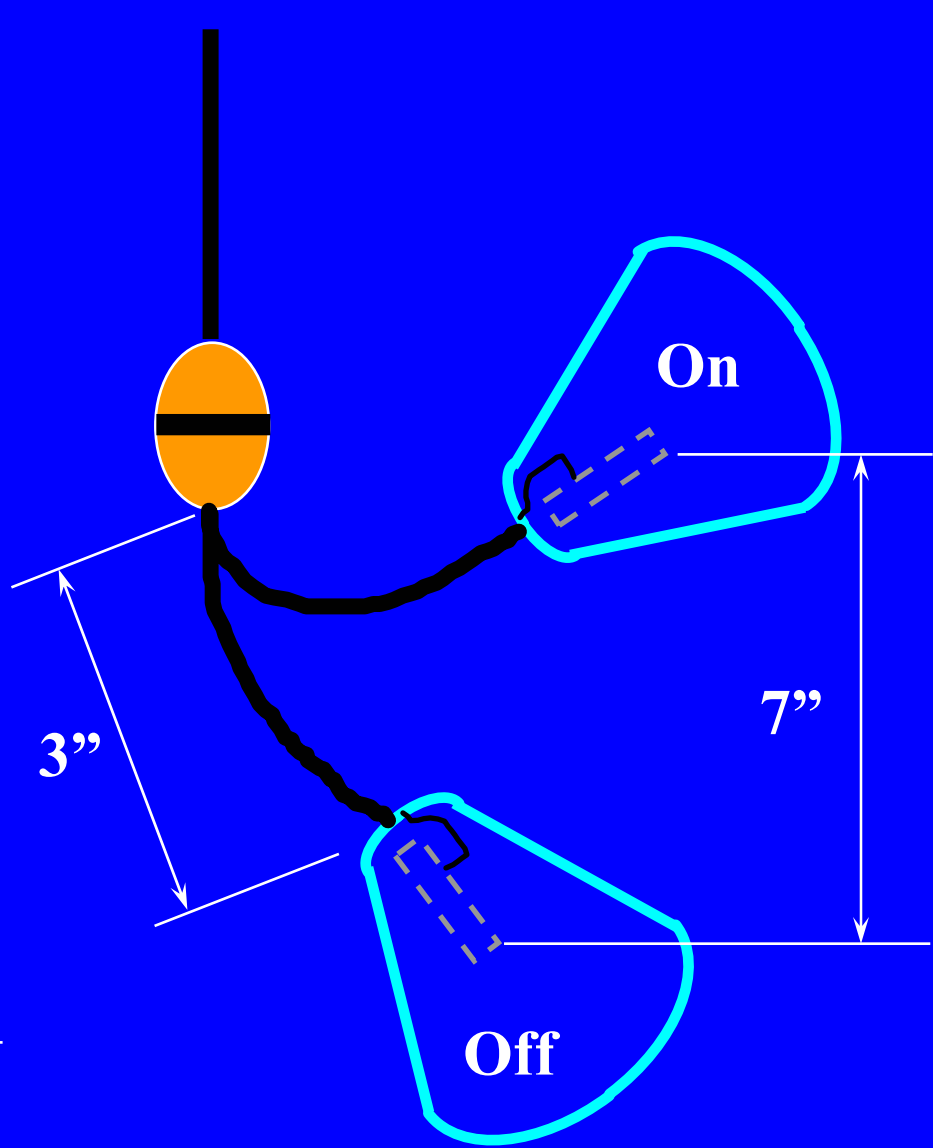
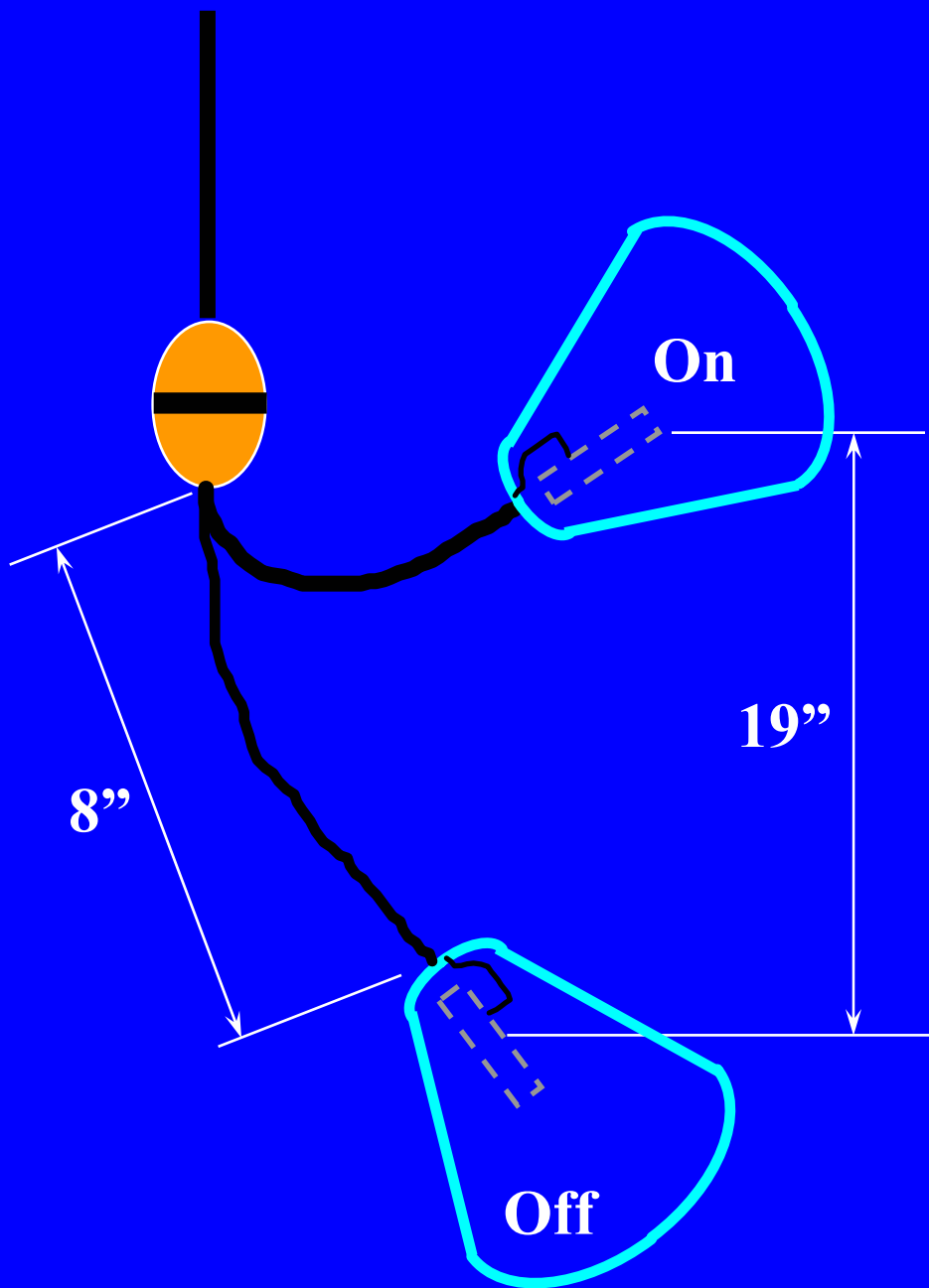
Float Switches



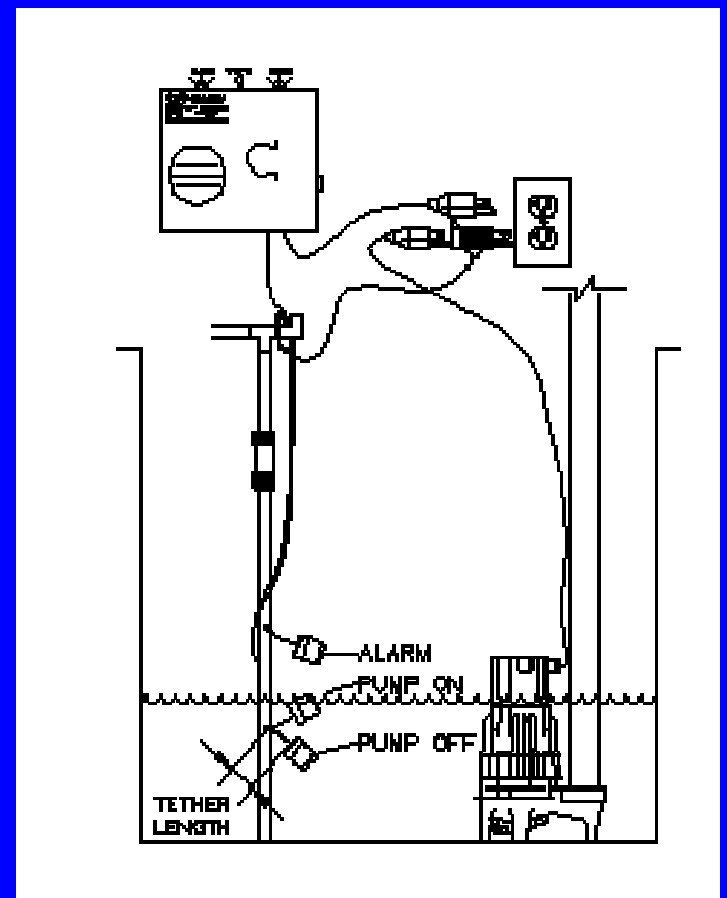
Types of Switches



- Pilot Duty (Narrow Angle Low Amps <10)
- Motor Duty (Wide Angle-Motor Rated, 13amp)
- Motor Duty with “piggy back” plug



Piggy Back float system



Pros and Cons of Piggy Back Systems

- Less Expensive
- Easy to install
- Limited pumping volume
- High potential for short circuiting due to corrosion
- High risk of electrical shock

What Kind of Control?

- Treatment control?
- Recycle (dispersal) control?
- Combination treatment and recycle?

Types of dosing

- Demand dose
 - Controls consist of floats set to dose a predetermined amount of effluent
- Timed dosed
 - Controls consist of floats and timer. Timer is set to dose for a set period to provide for a given dose volume. Need surge capacity in tank.

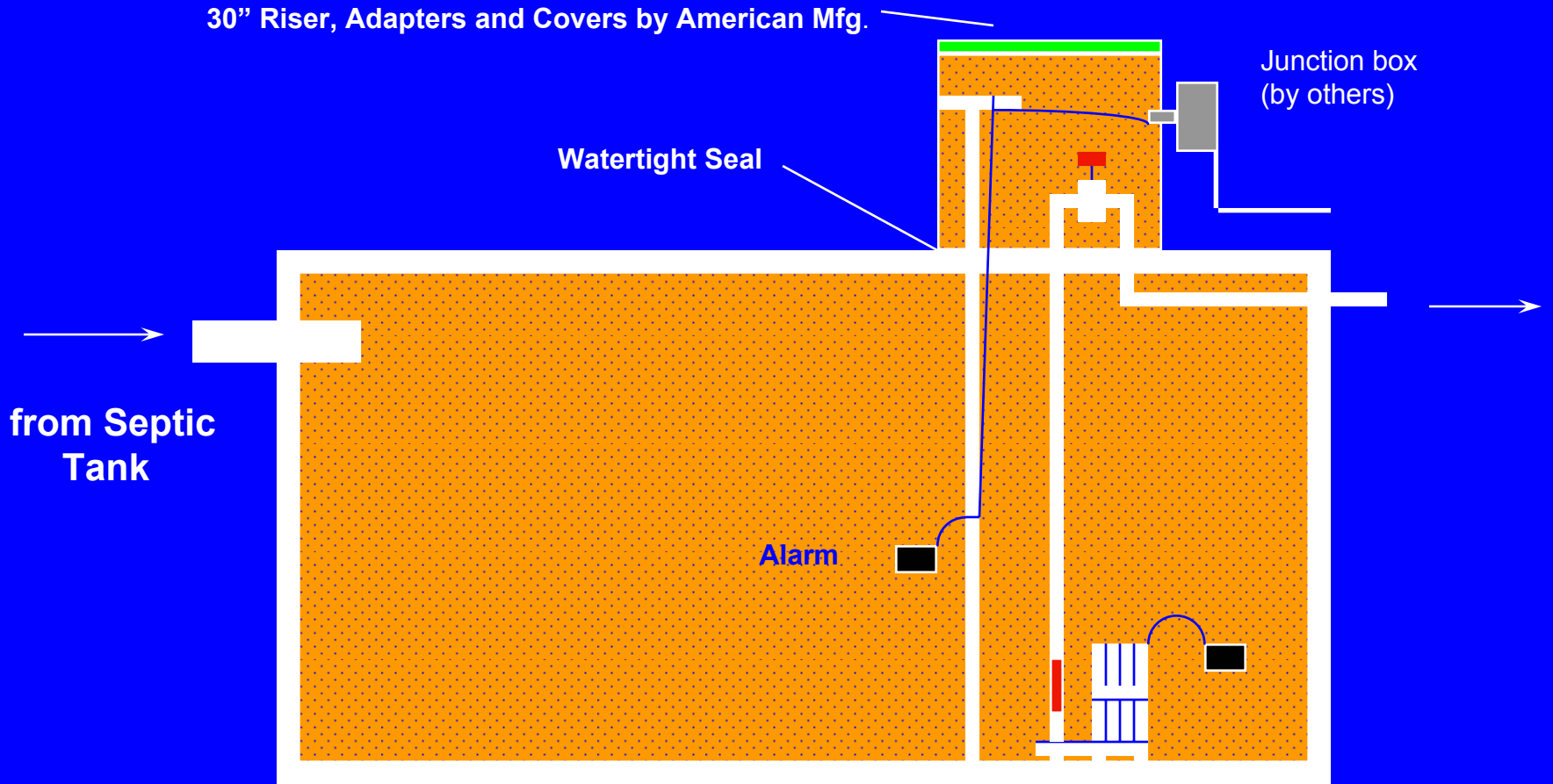
ALARMS



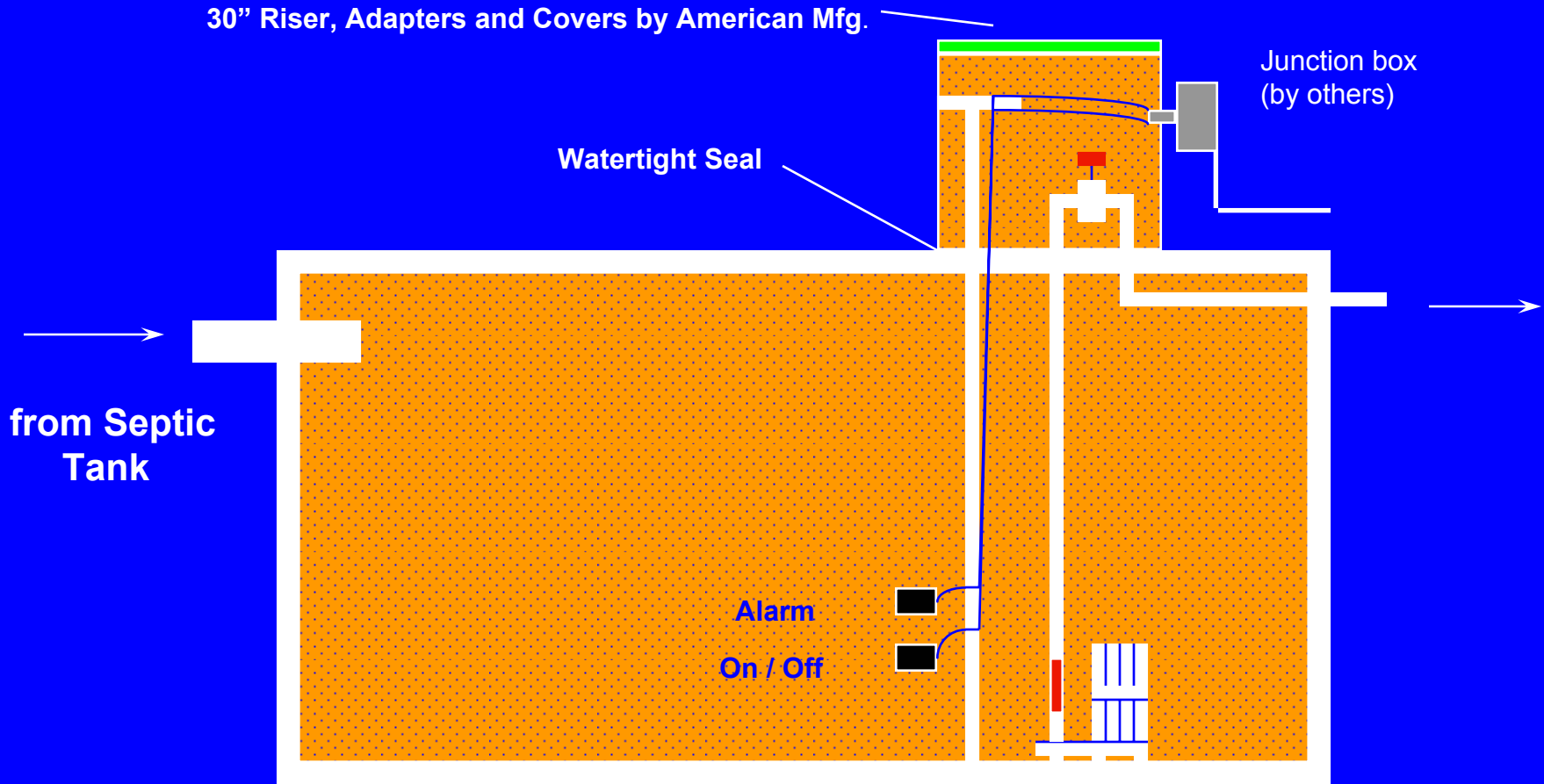
Alarm System

- Served by separate circuit (not dedicated), not fused with control circuit
- Audible & Visual by system users
- Test switch
- Silence feature
- Auto re-set
- In multiple pump systems - must activate Before the lag pump event

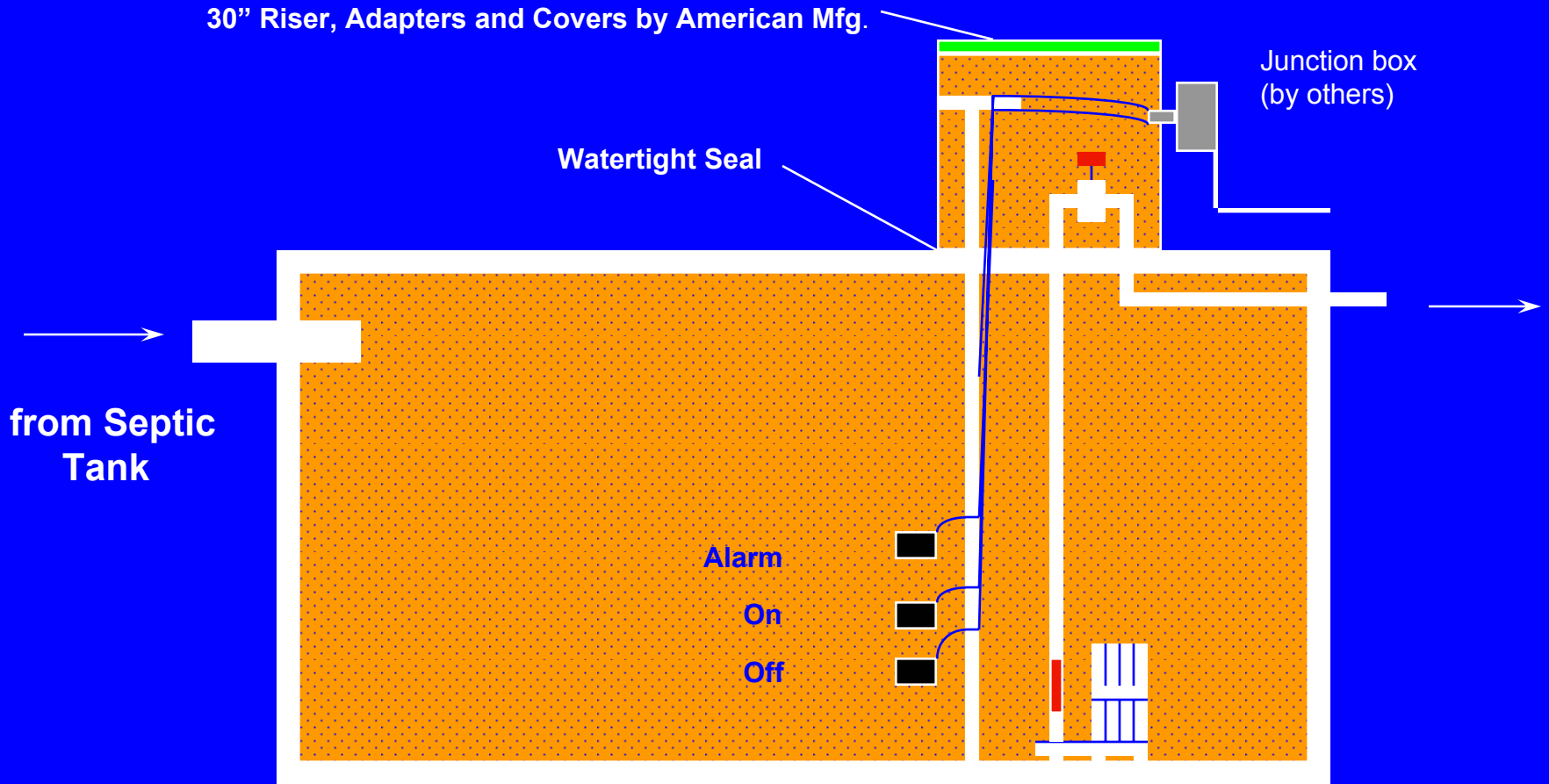
Automatic Pump with Alarm



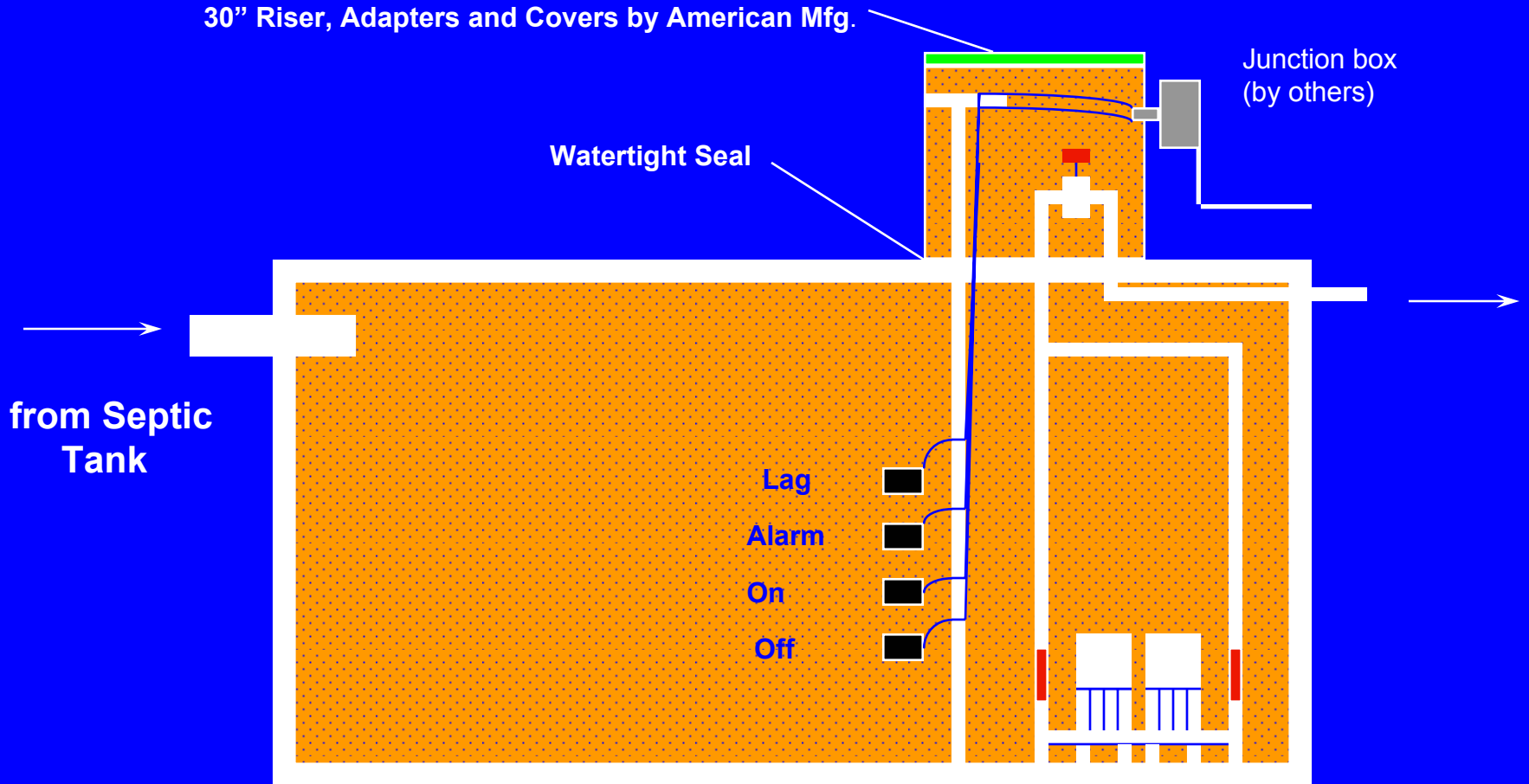
Float Activated Pump with Alarm



Simplex Demand Dose Control



Duplex 4 Float Control



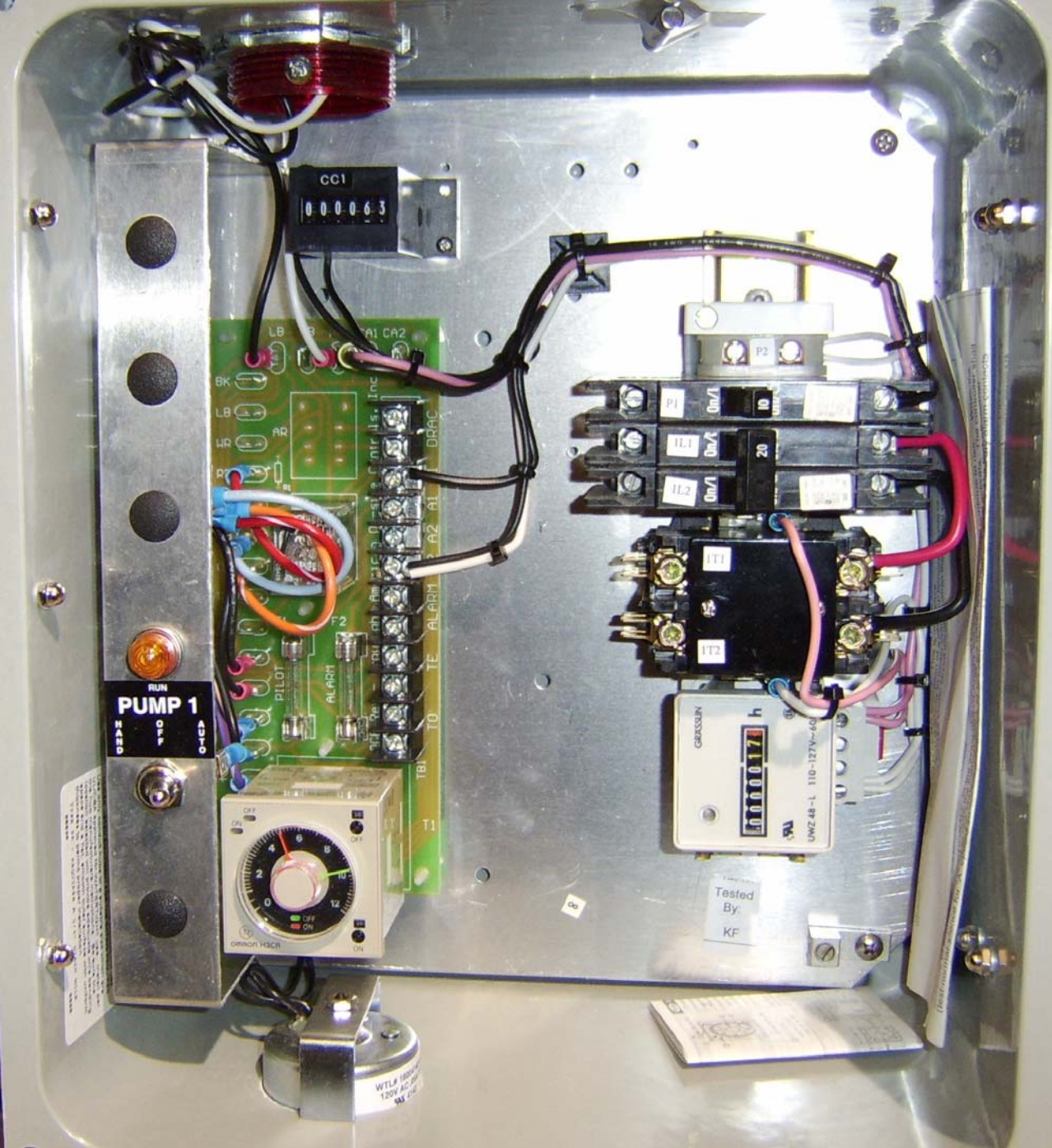
Timer Control Basic Equalization (SEQ)

NEMA 1 - INDOOR

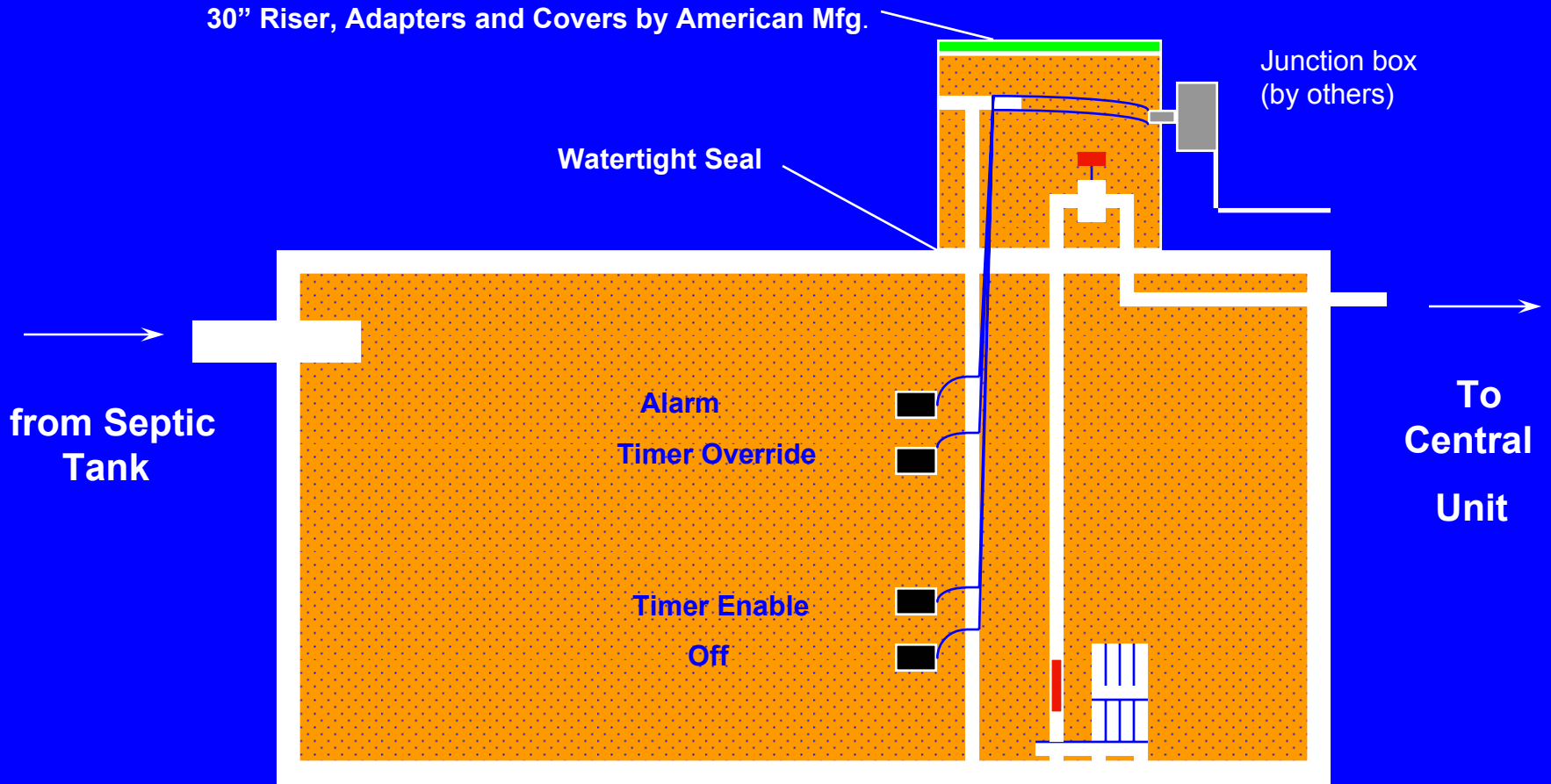


NEMA 4X - OUTDOOR

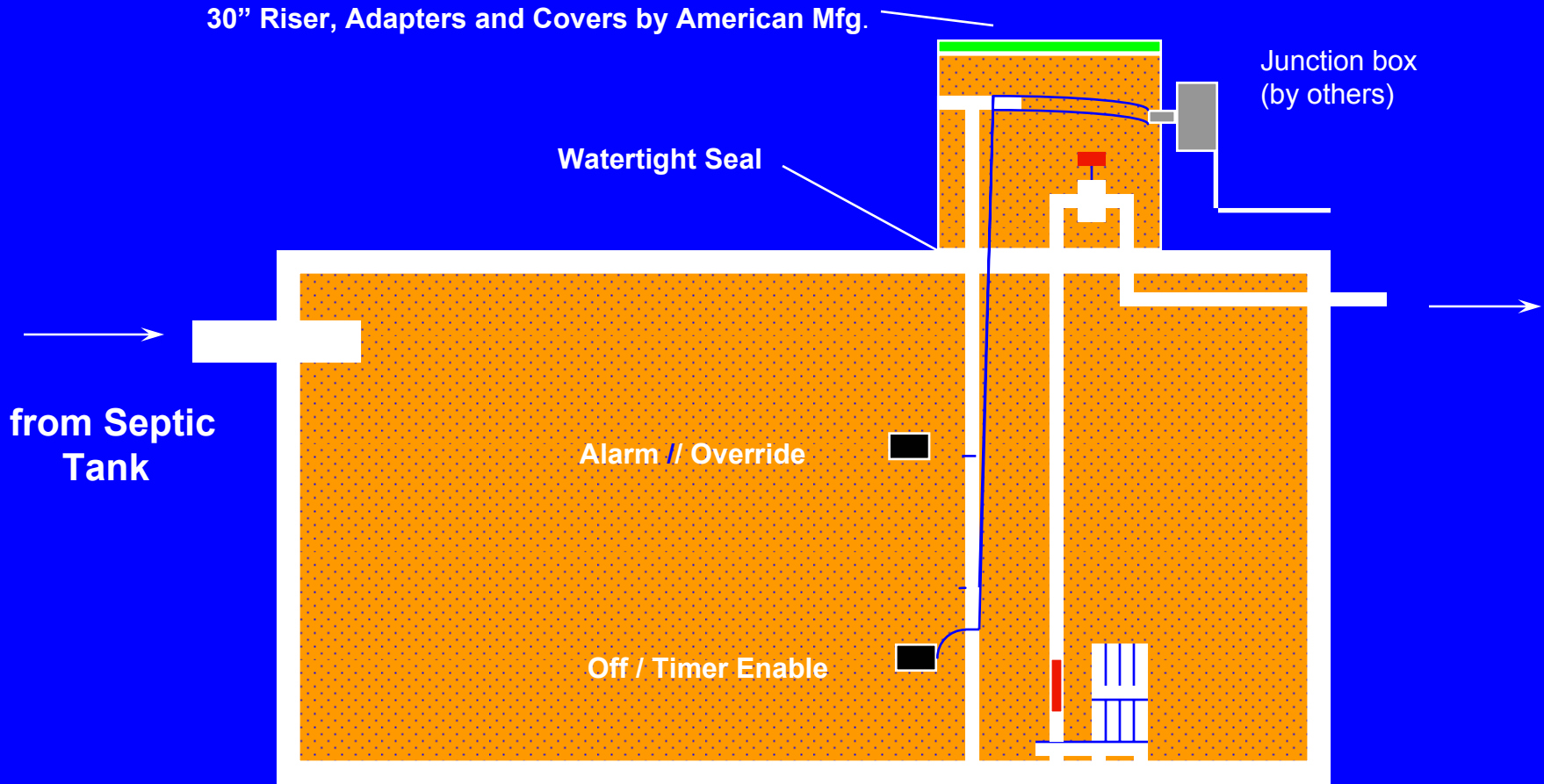




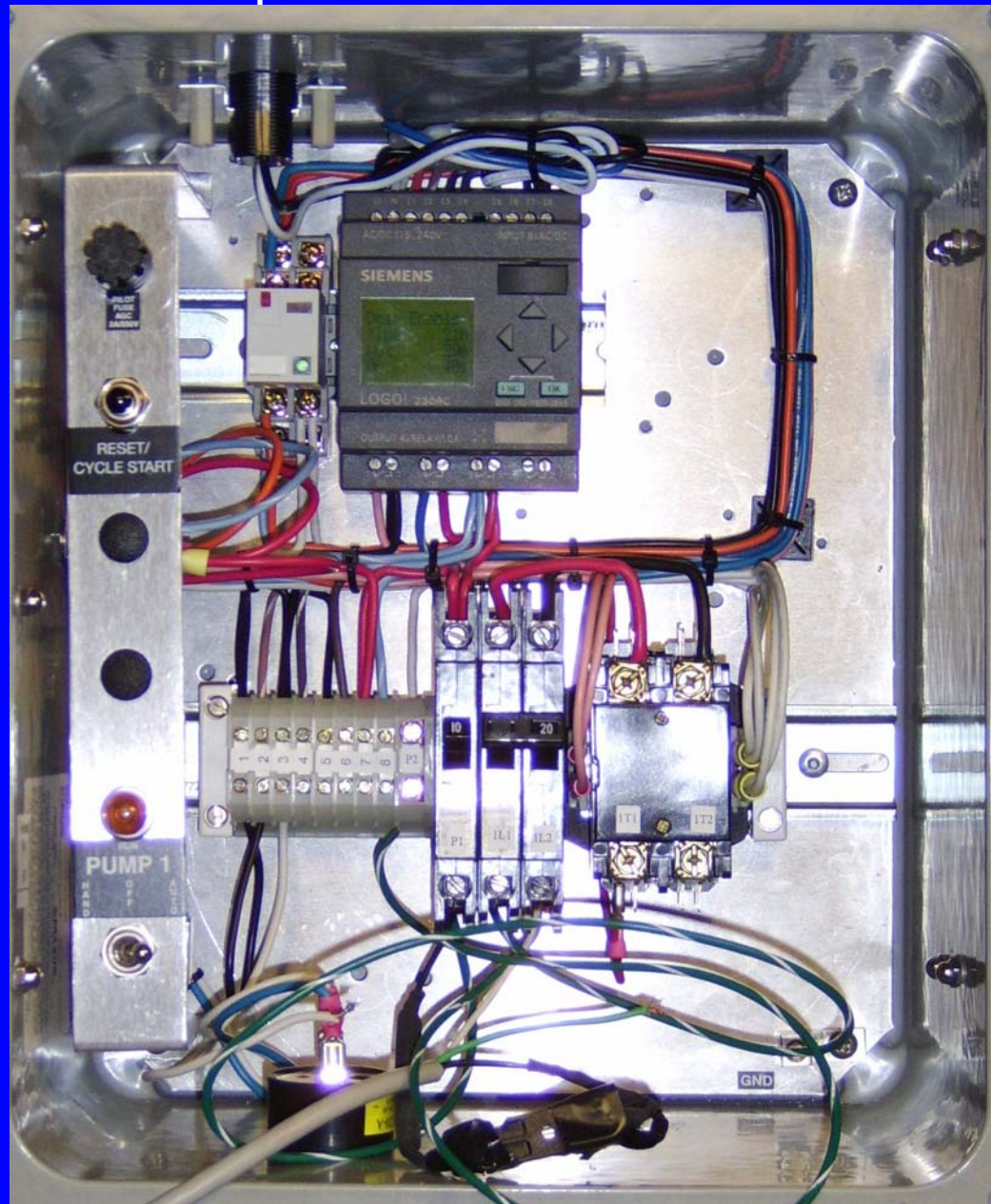
Equalization Timer Control



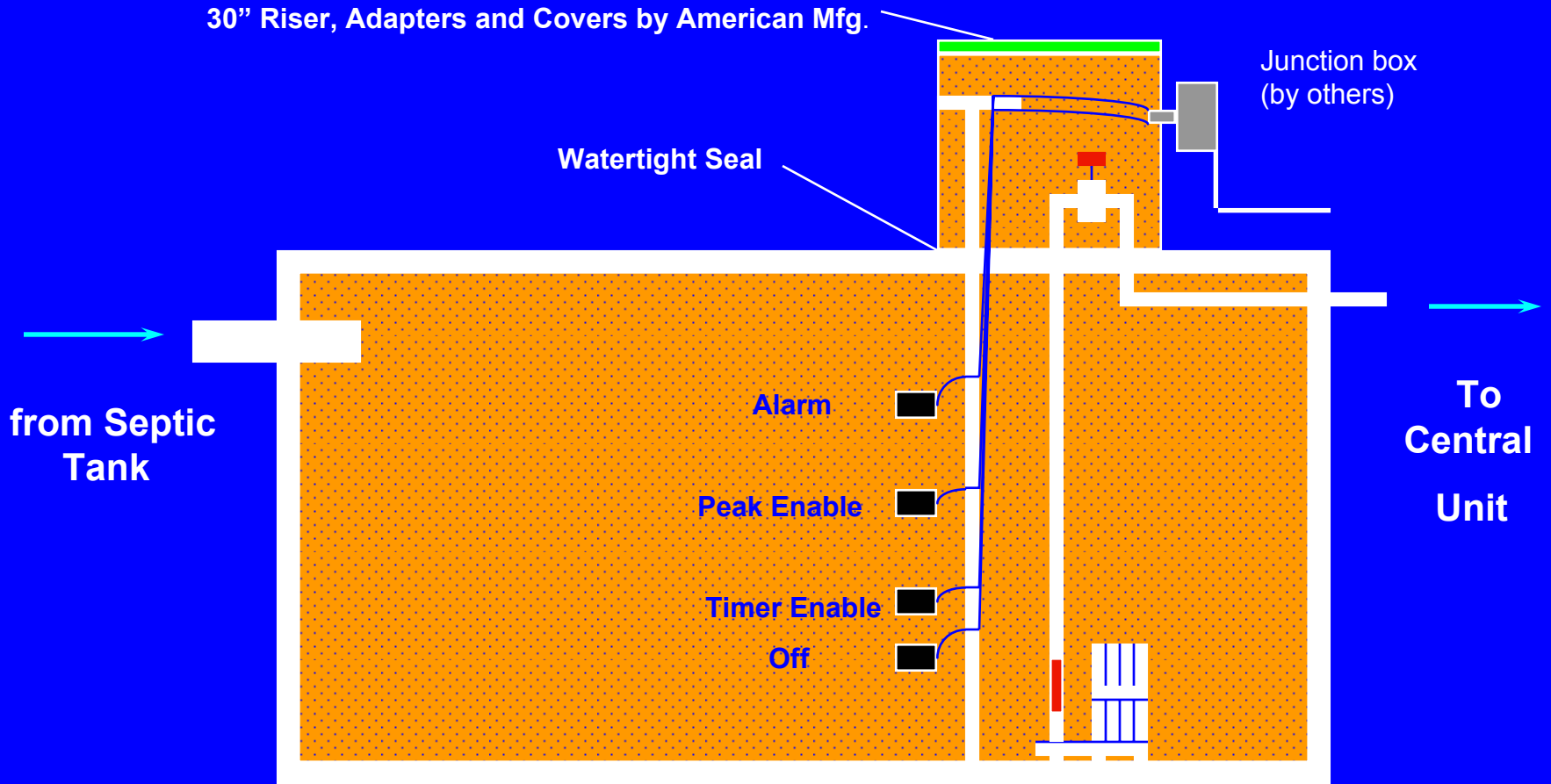
Simplex Timer Control w/ Two Floats

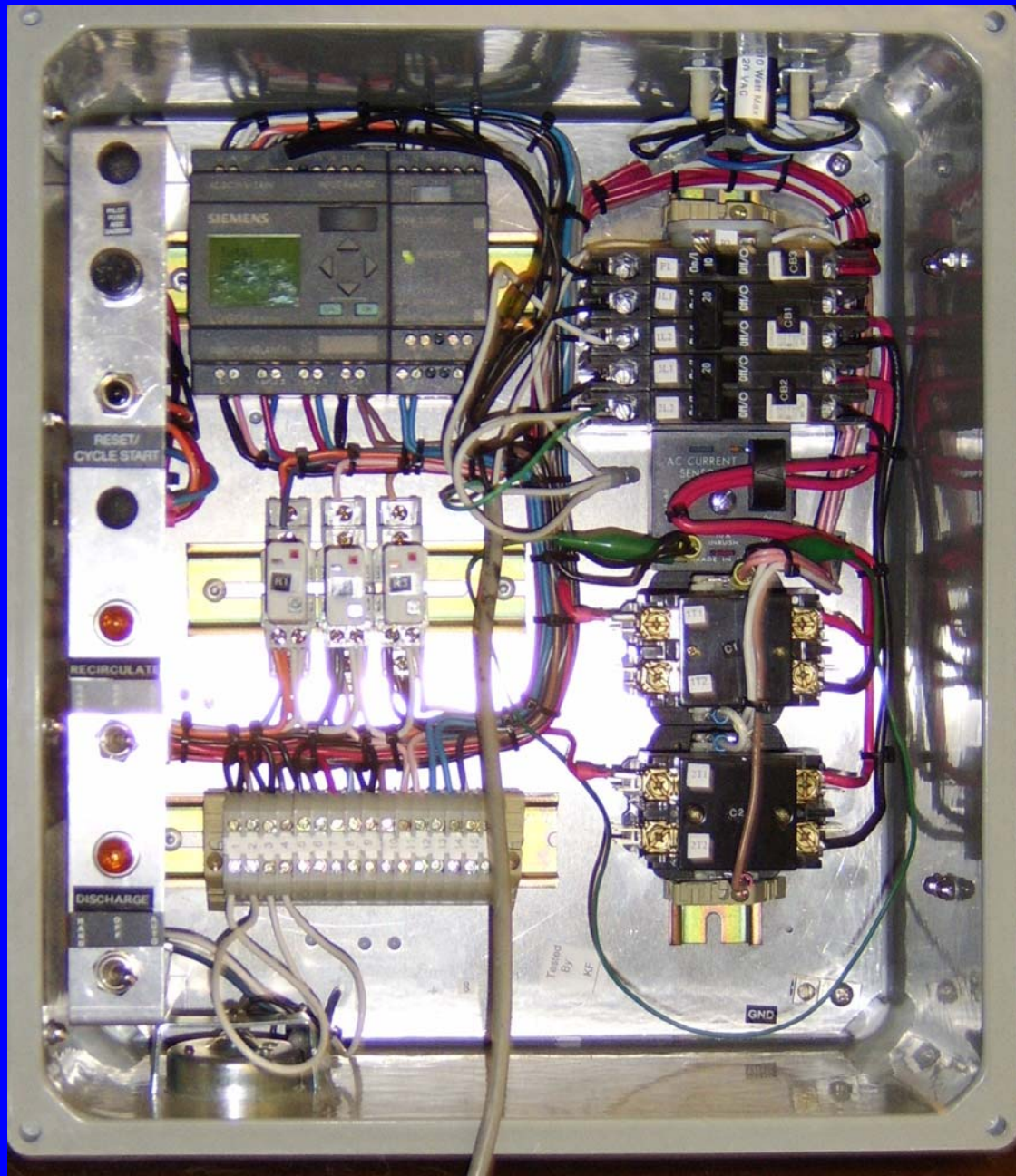


Microprocessor timer control

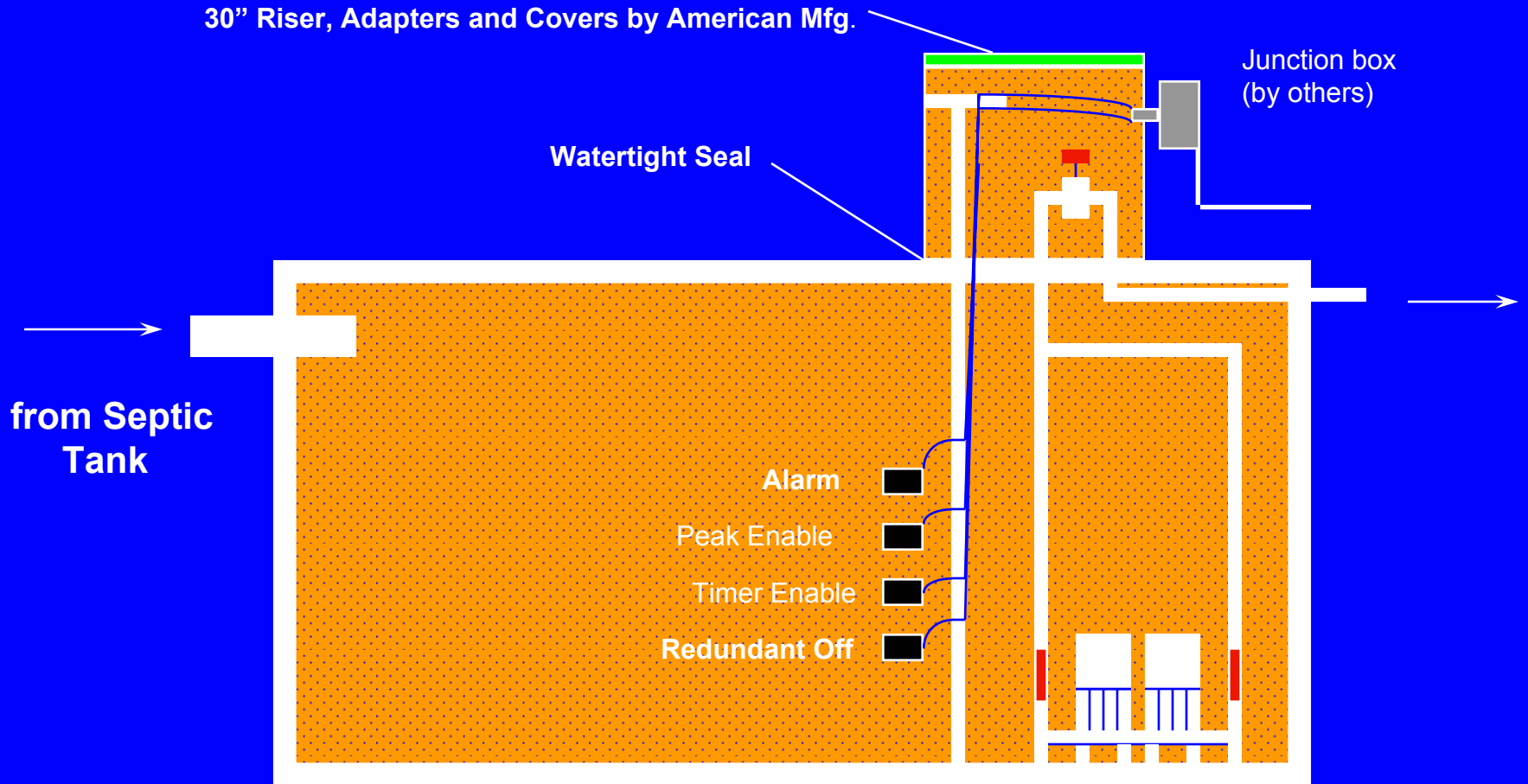


Microprocessor Timer Control





Duplex Equalization 4 Float Control



Duplex time dosing

Remember

Alternate alarm is
needed when
Time Dosing

- Flow Switch
- Current Sensor
- Other

Lag

Alarm

Enable

Off

