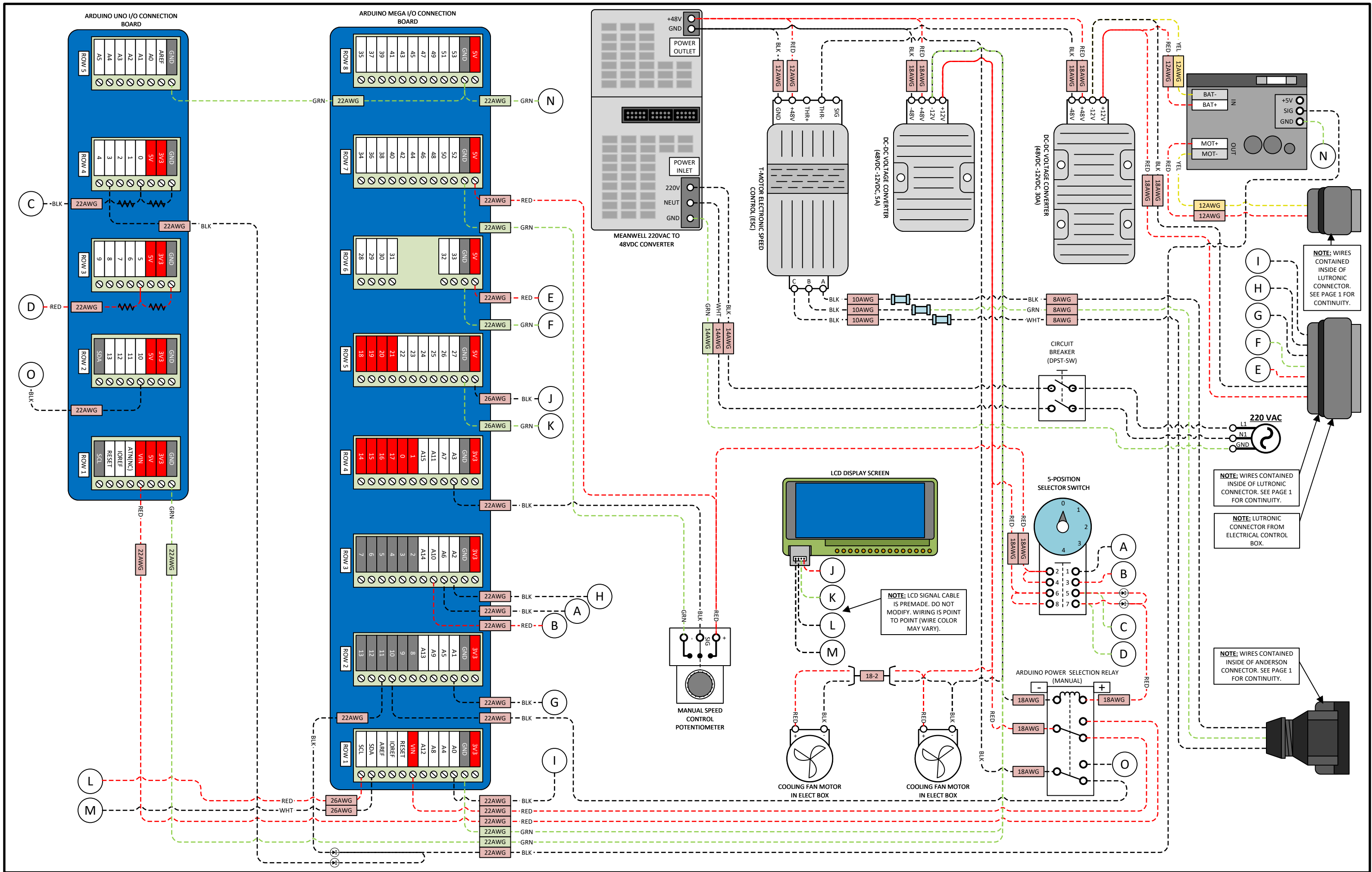


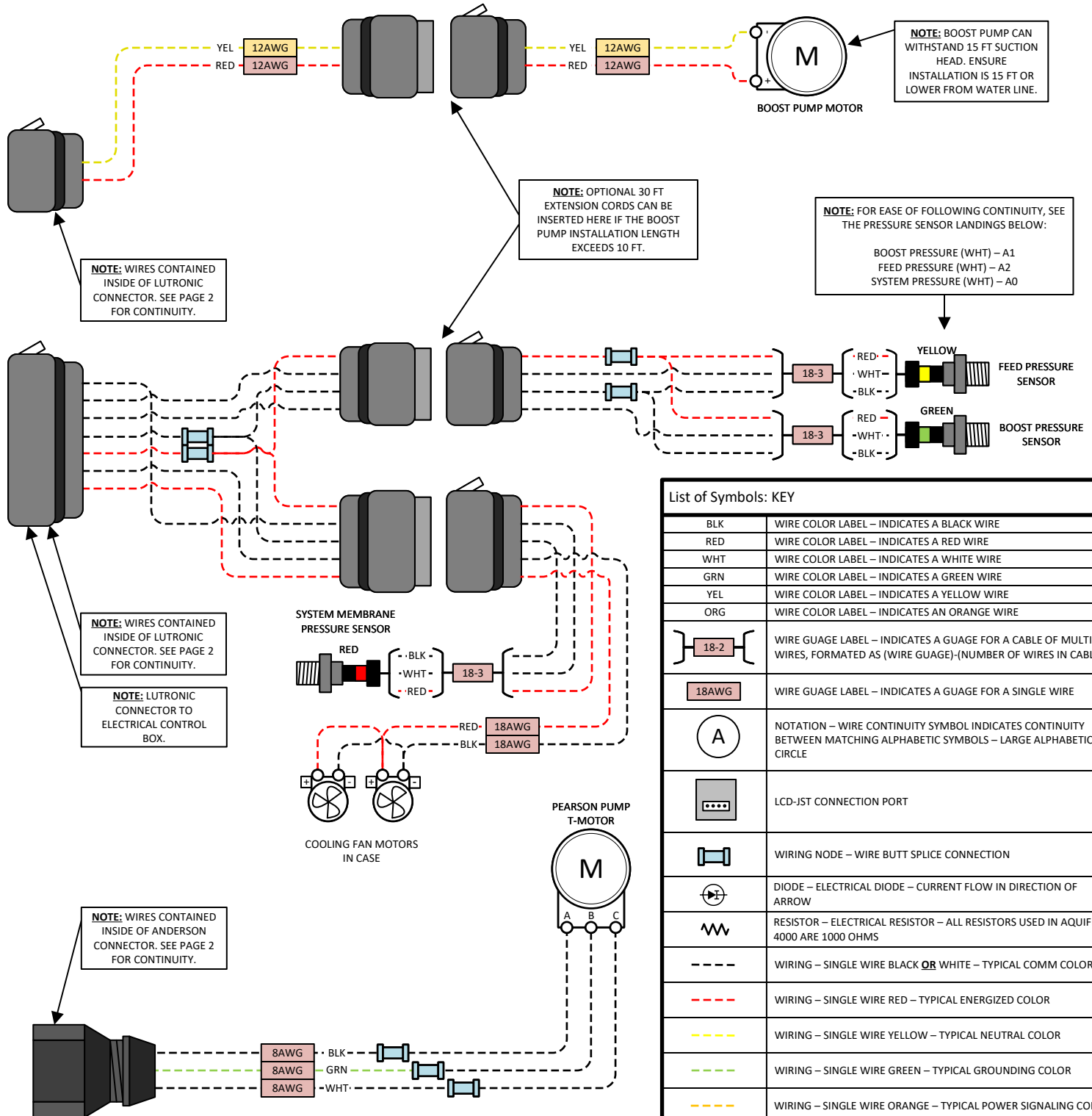


Arduino MEGA Pin Assignments (Larger Board)

```
//Variable Assignment
//Pin Assignments:
const int BPSpeedPin=11; // Boost Pump Relay, output pin: const int BPrelayPin=4;
const int PWMPin=10; // PWM Throttle, output pin: 221118 - 11 to 8
const int PPswitchPin=A10; // Pearson Pump, switch pin: 230130 9 to A10
const int BPswitchPin=A6; // Boost Pump, switch pin: 230130 10 to A6
const int PotSpeed=A3; // 230201: Pearson Pump Potentiometer Speed input
const int highPressurePin=A0; // High Pressure Signal, input pin
const int boostPressurePin=A1; // Boost Pressure Signal, input pin
const int feedPressurePin=A2; // Boost Pressure Signal, input pin: 221118 - A3 to A2
```

Arduino UNO Pin Assignments (Smaller Board)

```
//Variable Assignment
//Pin Assignments:
const int BPSpeedPin=3; // Boost Pump Relay, output pin: const int BPrelayPin=4;
const int PWMPin=10; // PWM Throttle, output pin: 221118 - 11 to 8
const int PPswitchPin=0; // Pearson Pump, switch pin: 230130 9 to A10
const int BPswitchPin=5; // Boost Pump, switch pin: 230130 10 to A6
```



Revision History: AF-4000-220V

Rev No:	Date:	Description:
A	09/21/2023	Initial Wiring Diagram for Aquifer-4000 Systems, 220V
B	11/22/2023	Deutsch Plug Replacement with Lutronic
C	02/13/2024	Minor adjustment of wire color and potentiometer power routing
D	06/18/2025	Updated "ARDUINO UNO" Wiring IAW SOP. Color Code is Now "C" Black, "D" Red.

Aquifer-4000 Control System:

- 220VAC Input Voltage
- Automated & Manual System
- AF-4000-220V

Aquifer-4000-220V

Revision: D
Rev Date: 06/18/2025
Print Date: 06/18/2025
Drawn by: LSS

Katadyn Desalination