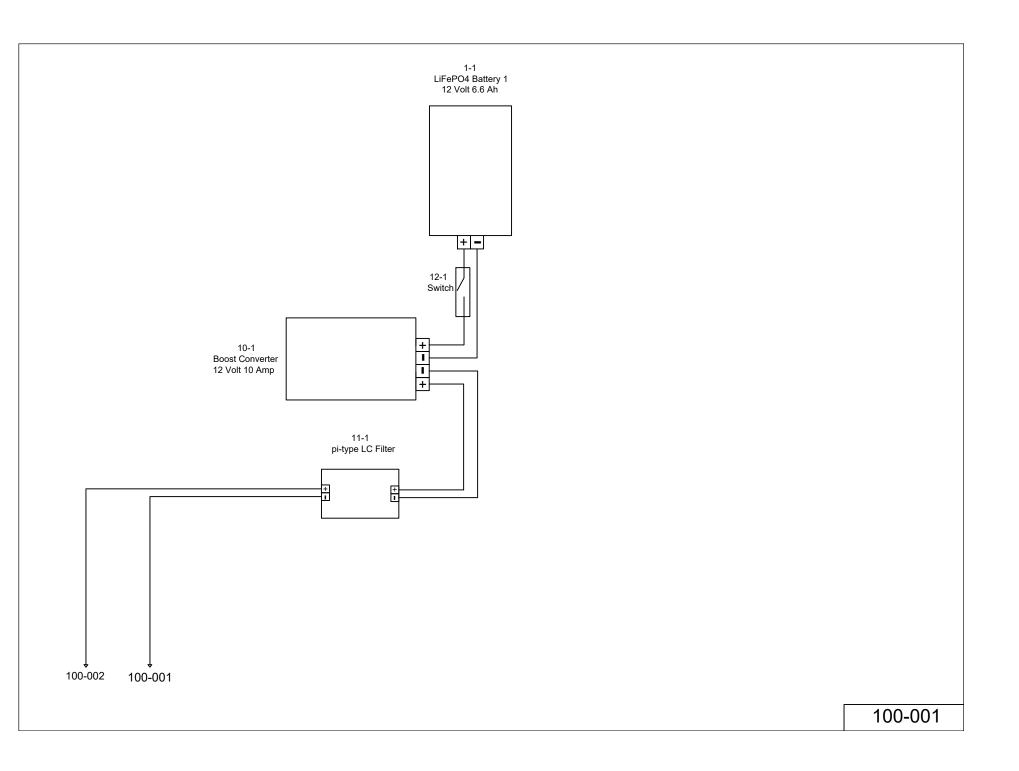
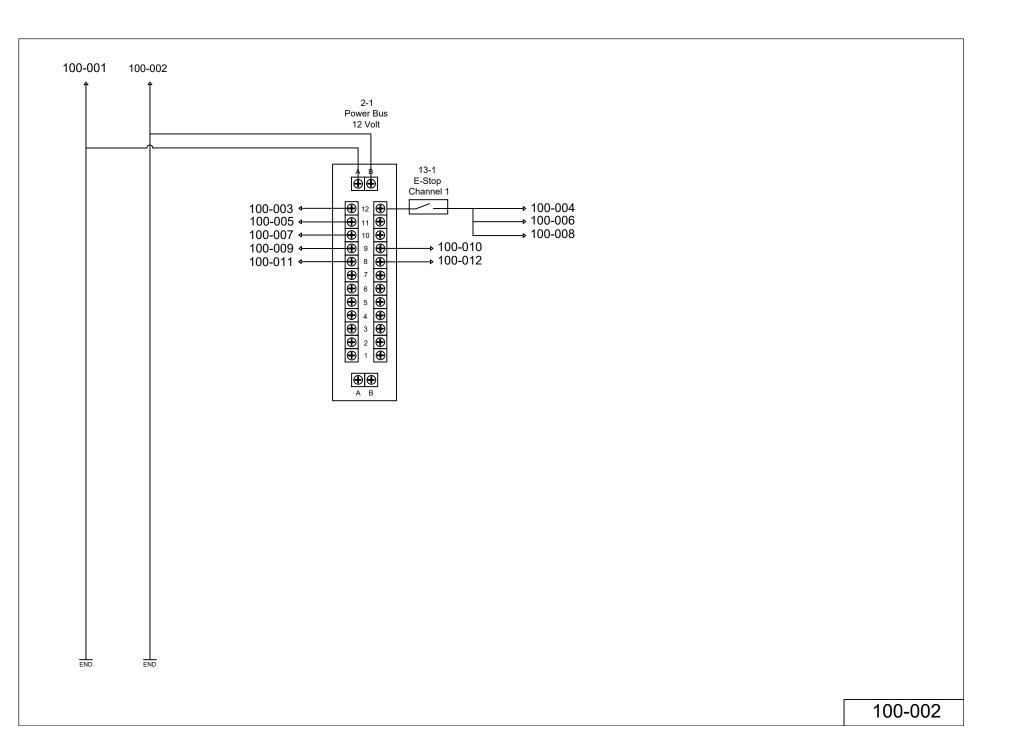
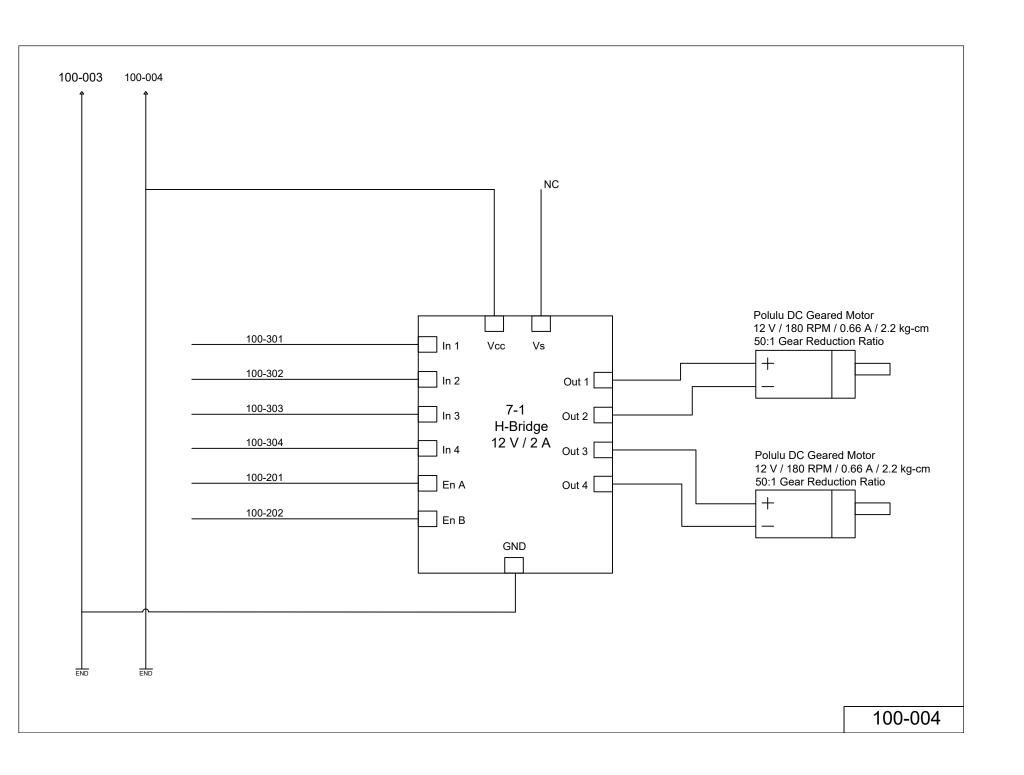
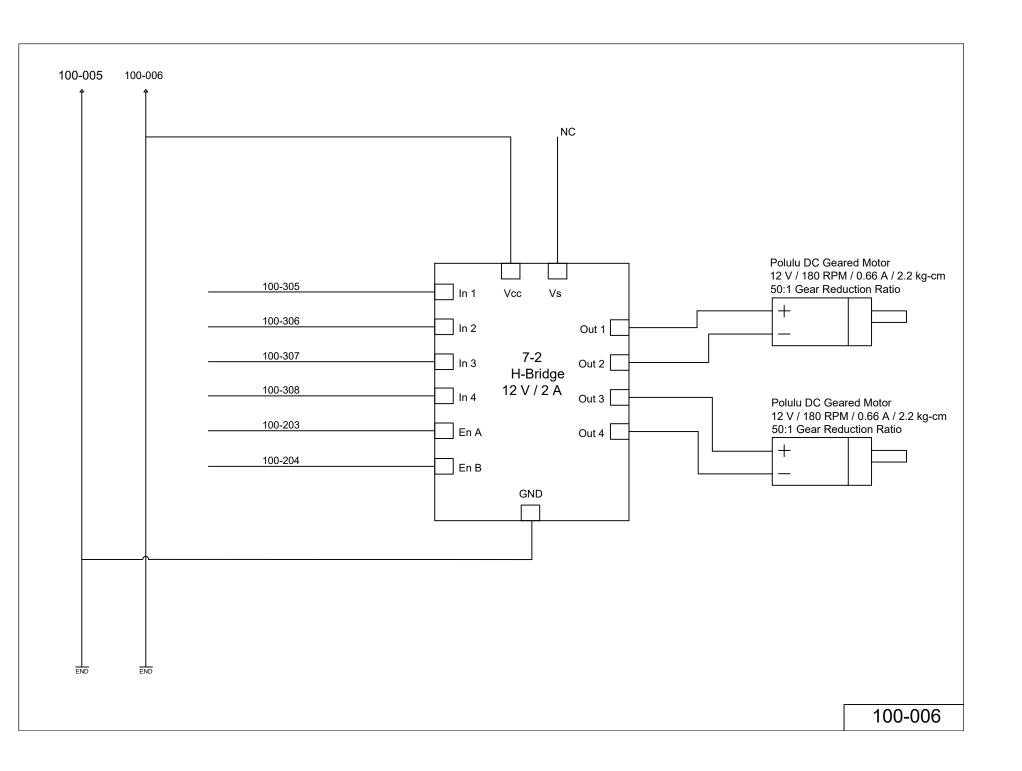
SouthEast Con Robotic Competition 2022 Robotic Drawing Package

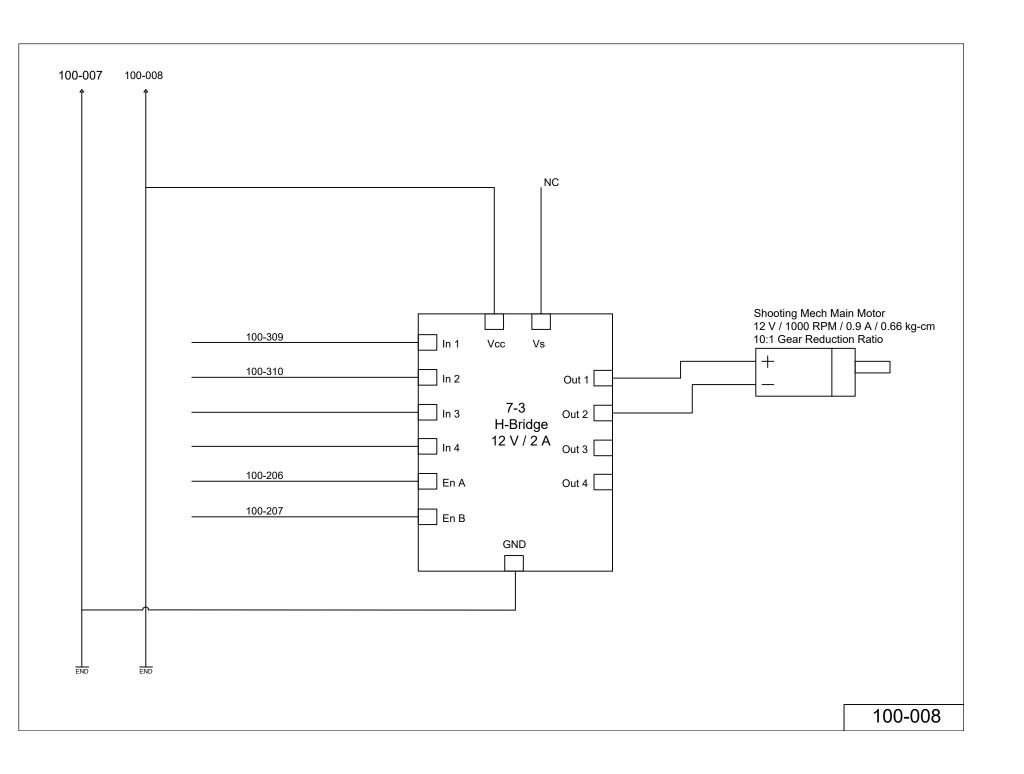
#	Product Name	Quantity	#	Product Name	Quantity
1	LiFePO4 Battery 12 V 6.6Ah	1			
2	Power Bus	3			
3	Buck Convertor	2			
4	Raspberry Pi 4B	1			
5	USB-C cord to Raspberry Pi	1			
6	Adafruit 16-Channel 12-bit PWM/Servo Shield	1			
7	H-Bridge L298N Motor Drive Controller Board	3			
8	Arduino Mega 2560	2			
9	Arduino Mega 2560 Power Cord	2			
10	Boost Converter	1			
11	Pi-type LC filter	3			
12	Switch	2			
13	2-Channel Emergency Stop	1			
14	Line Following Array	3			

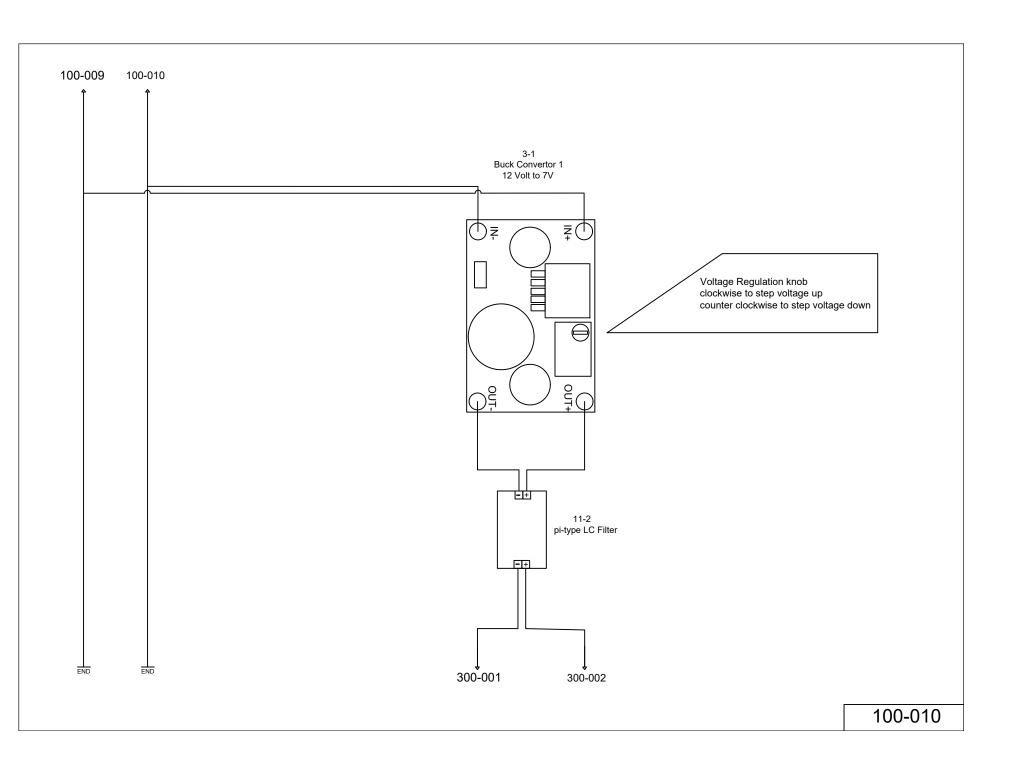


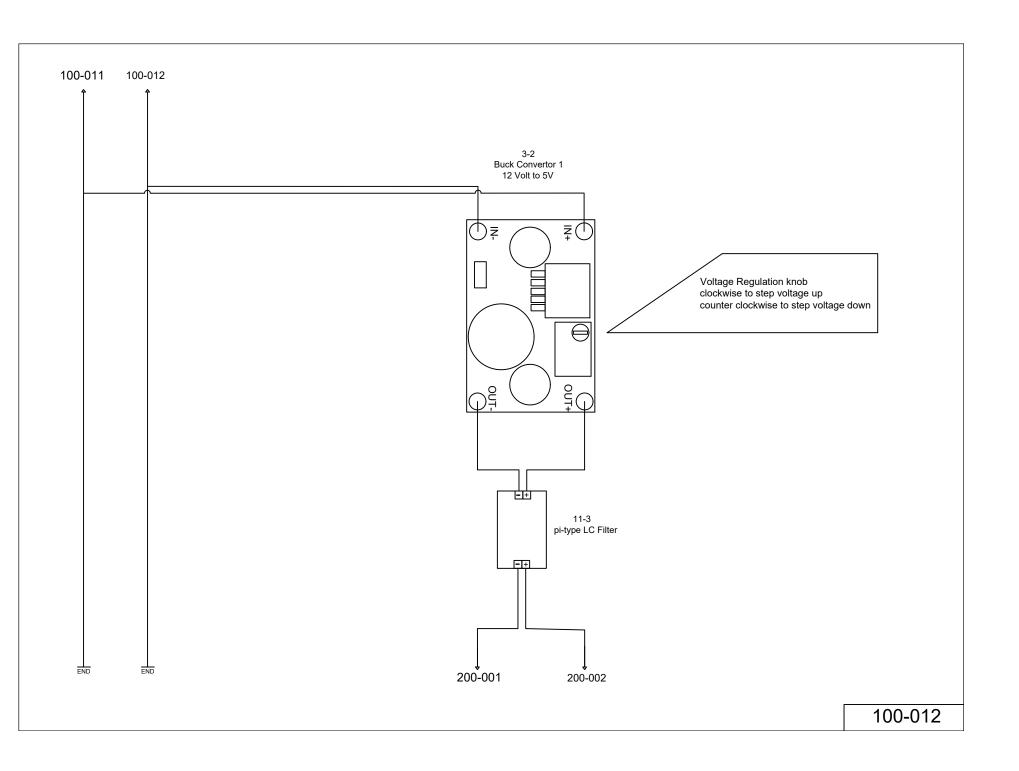


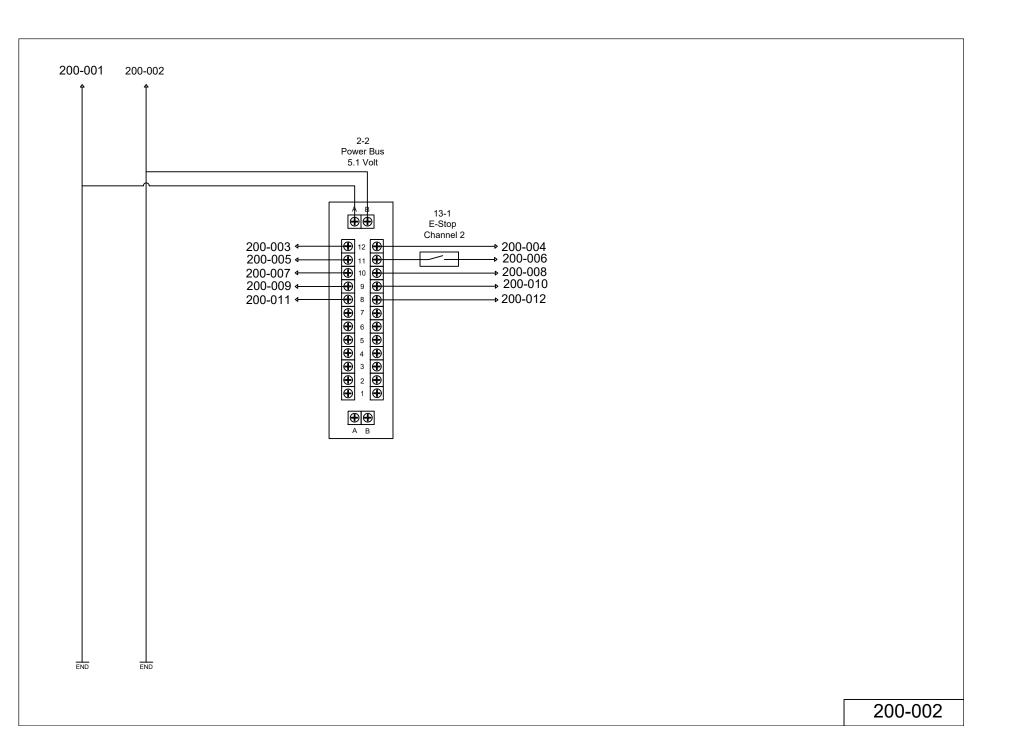


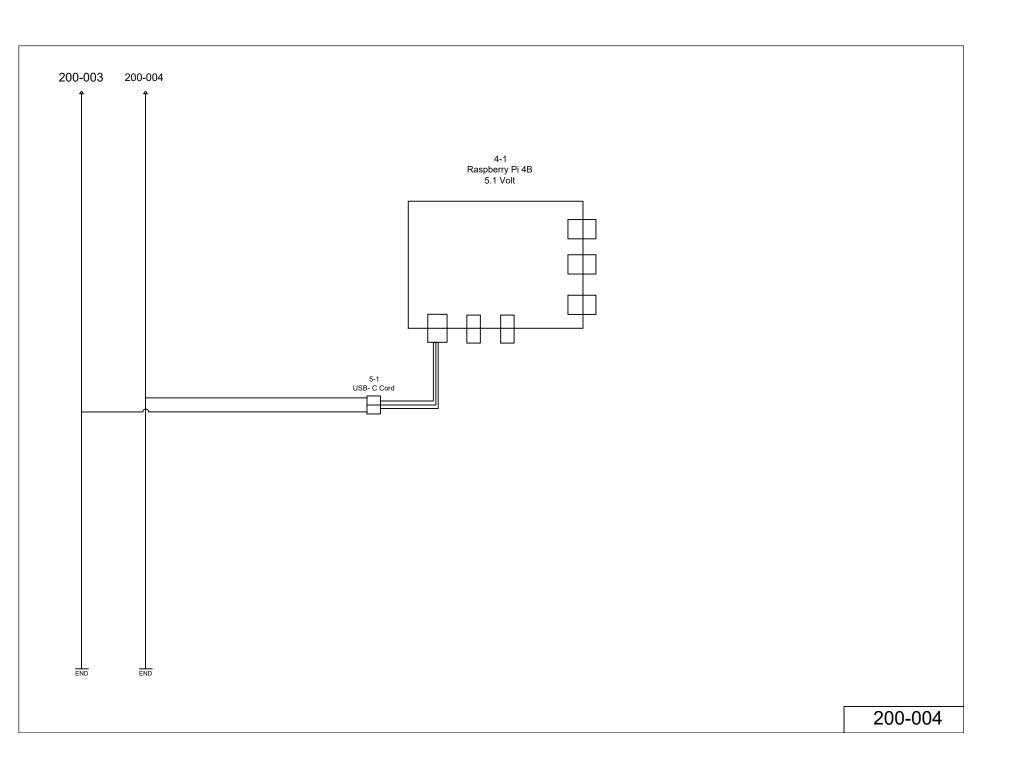


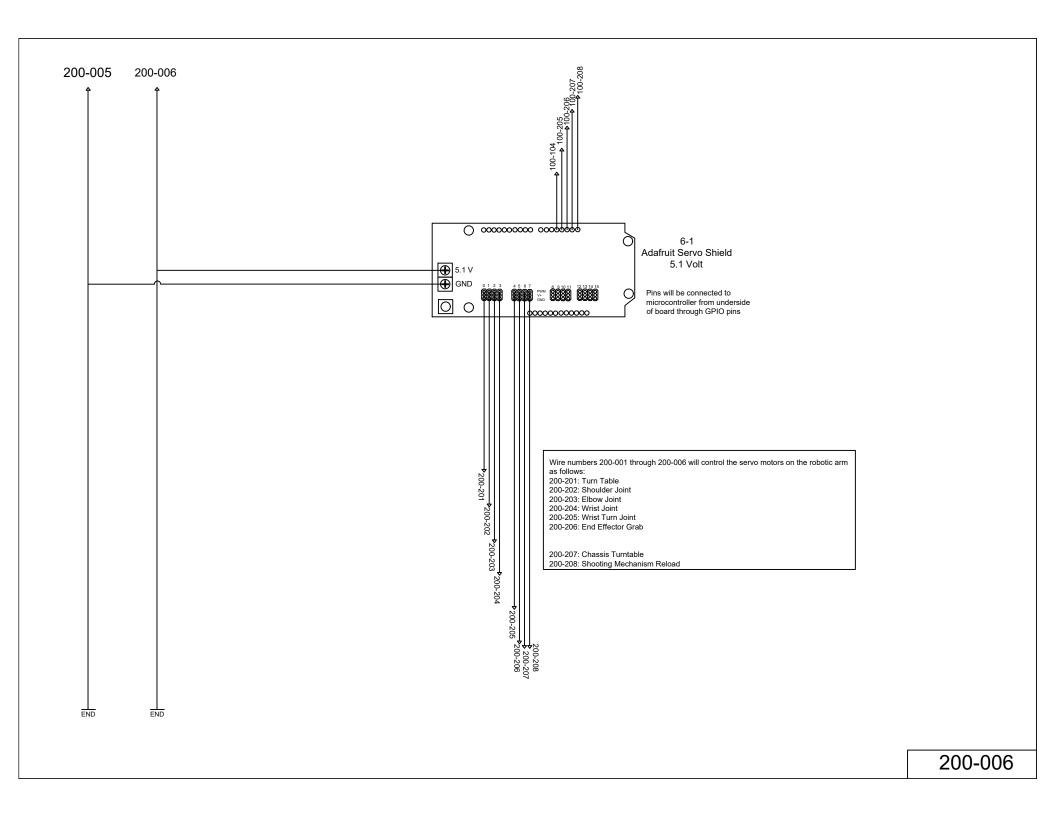












200-201←		Turn Table Servo Motor	
200-202 -		Shoulder Joint Servo Motor	
200-203 ←		Elbow Joint Servo Motor	
200-204 ←		Wrist Joint Servo Motor	
200-205		Wrist Turn Joint Servo Motor	
200-206 4		End Effector Grab Servo Motor	
200-207 4		Chassis Turn Table Servo Motor	
200-208 -		Shooting Mech Reload Servo Motor	
Wire numbers 200-001 through 200-006 will control the servo motors on the robotic arm as follows: 200-201: Turn Table 200-202: Shoulder Joint 200-203: Elbow Joint 200-204: Wrist Joint 200-205: Wrist Turn Joint 200-206: Wrist Turn Joint 200-206: End Effector Grab 200-207: Chassis Turntable			
	200-208: Shooting Mechanism Reload	200-201	

