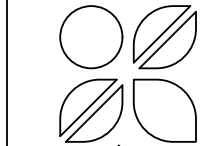
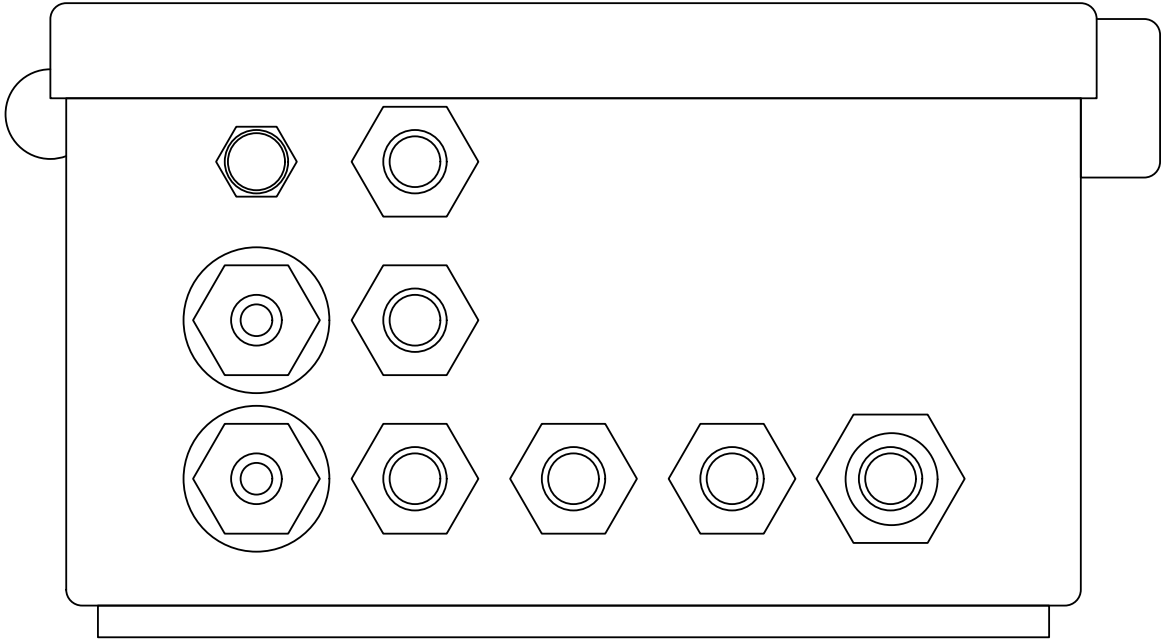
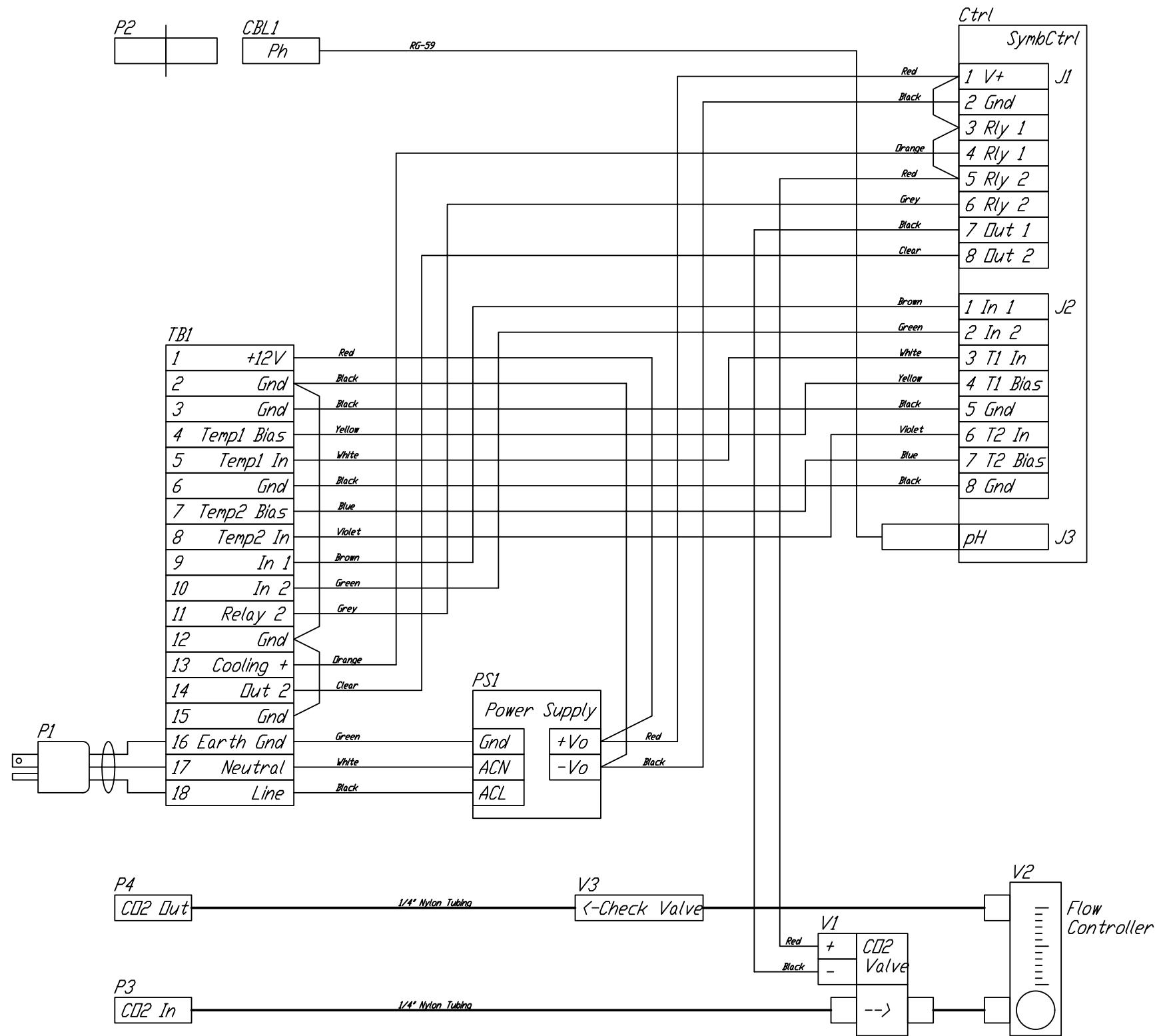


The PBR controller is assembled in a polycarbonate enclosure with a 3D printed subframe to mount the components.

Notes:

- Cable Access is in the lower right corner, Two $\frac{1}{4}$ push connectors for CO₂, A BNC bulkhead connector for pH, two cable glands for temperature and cooling vavle.
- The power cable emerges through a gable gland at the lower left side of the enclosure.
- All field connections are to be done on the upper side of the terminal block while local connections are done on the lower side of the terminal block.





Ref	Desc	Manufacturer	Mfg Part#
CBL1	Coax cable assy., BNC to BNC	Cinch	415-0057-012
Ctrl	Symbrosia Controller	Symbrosia	025-000
P1	Power Cord, 5-15 plug		
P2	BNC bulkhead connector	AMP	5-1634530-1
P3-P4	1/4" tubing bulkhead connector	Parker	F4BU4
PS1	Power Supply, 12V @ 1.2A	John Guest	PP1208W
		Mornsun	LM75-23B12R2
		XP Power	LCS75US12
TB1	DIN rail, 75mm		
	DIN terminal block	Galco	CMT4
V1	Solenoid valve, 12VDC, 1/4"	ARD	CAT33S-120-A-G
V2	Flow control, 0-15lpm	WIC Valve	2ACK-1/4-12VDC-G
		Brooks	2510A2A14SVVT
V3	Check valve, 1/4" push connect	Omega	FL-2002
		Parker	A4VC4-MG
Cabinet	Enclosure, 10x8x5"	John Guest	1/4SCV-R
Frame	SymbCtrl subframe upper	Serpac	I342HL
	SymbCtrl subframe lower	Symbrosia	025-056
Tubing	1/4" nylon tubing	Symbrosia	025-057
	Cable gland		
Wire	18AWG, 300V, Hook-up wire	Phoenix	1411124
		Generic	PG9

