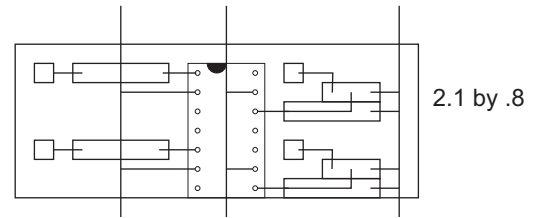
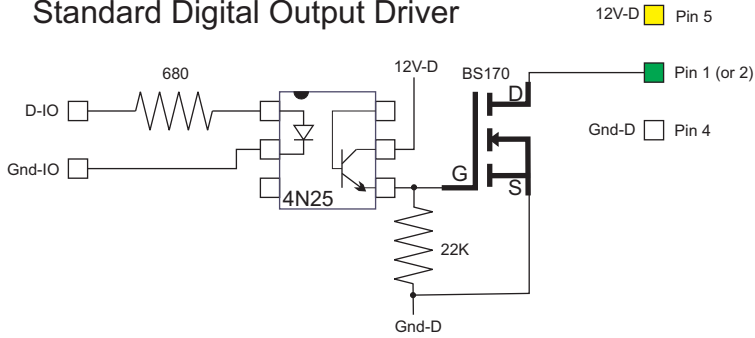
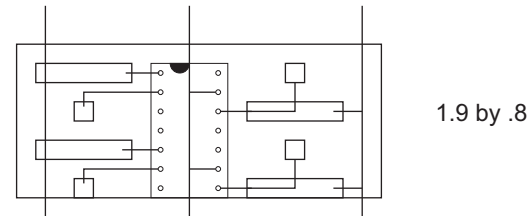
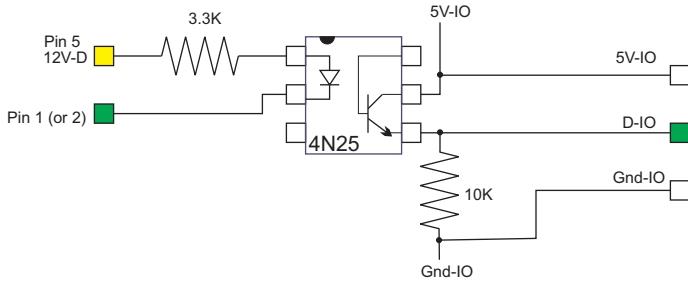


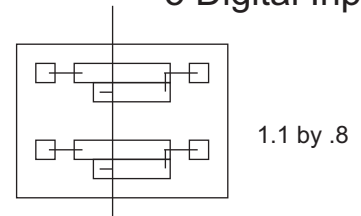
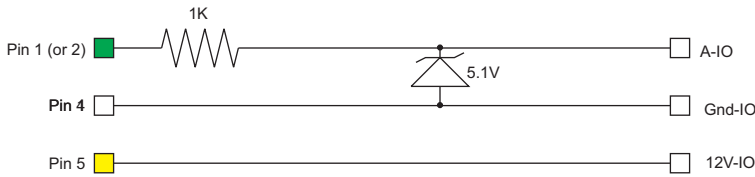
Standard Digital Output Driver



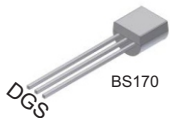
Standard Digital Input Driver



Standard Analog Input

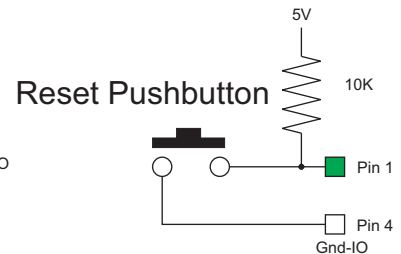
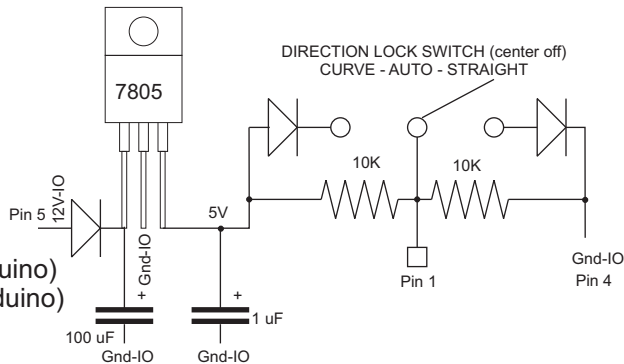


Need total:
4 Analog Input
7 Digital Output
5 Digital Input

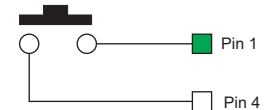


Serial Port

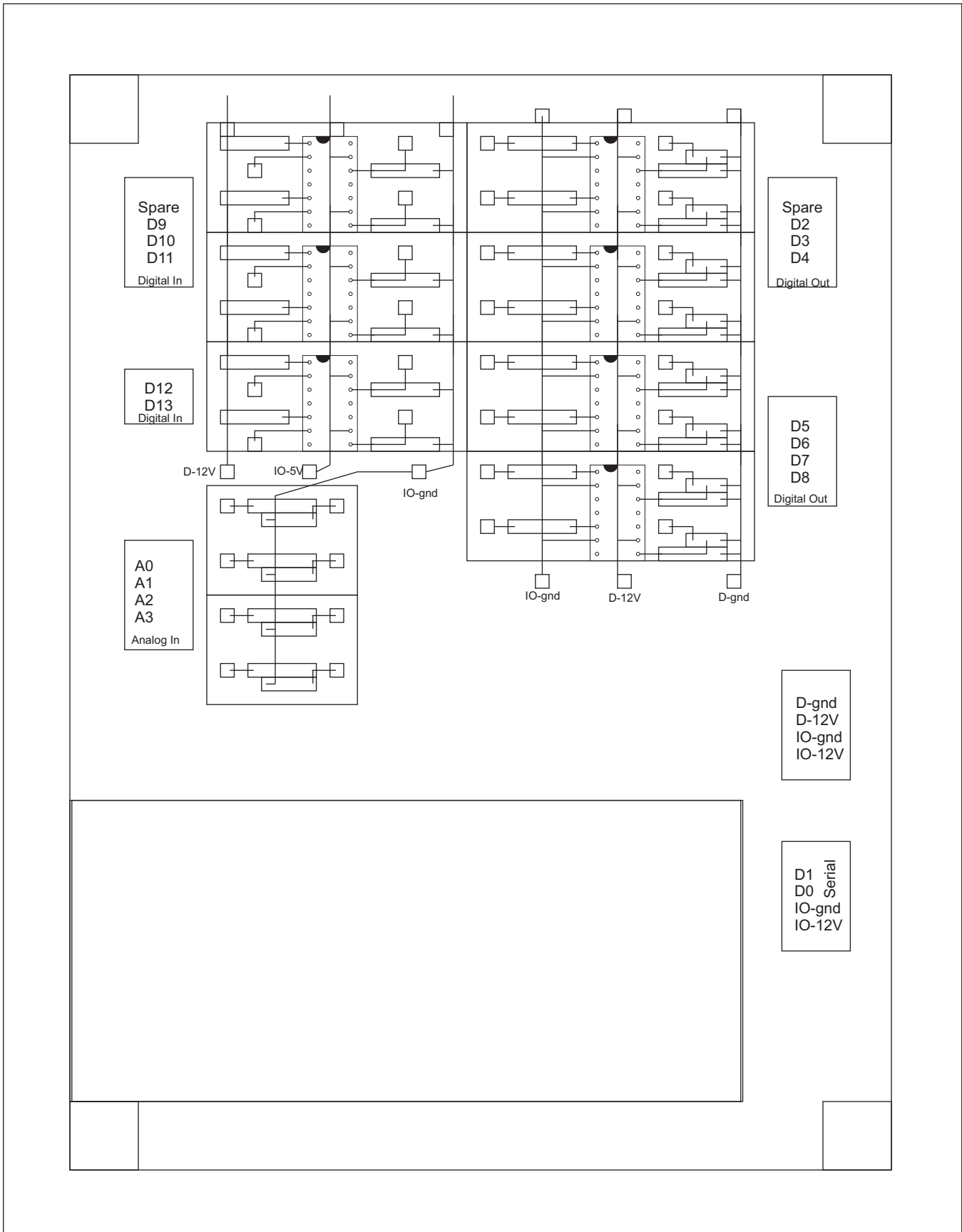
Pin 1: Rx (HMI) Tx (Arduino)
Pin 2: Tx (HMI) Rx (Arduino)
Pin 4: Gnd-IO
Pin 5: 12V-IO

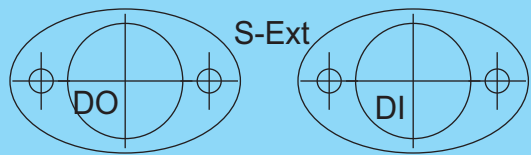
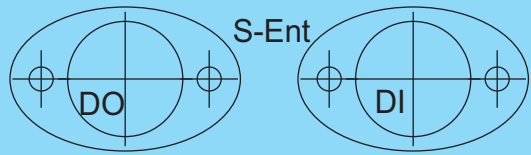
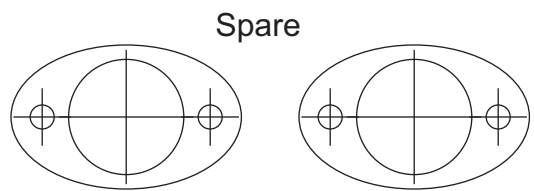
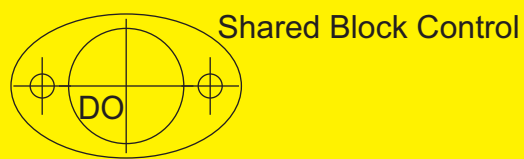
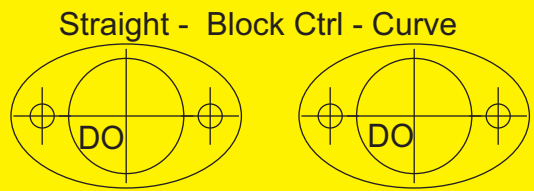
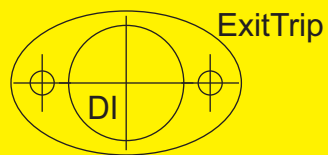
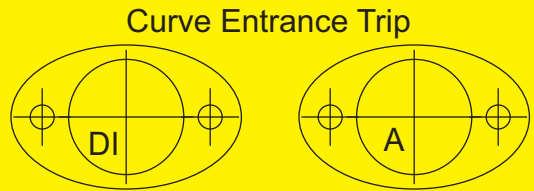
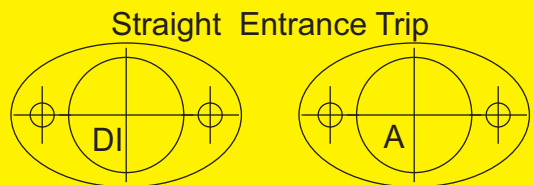


CBC Reset Pushbutton

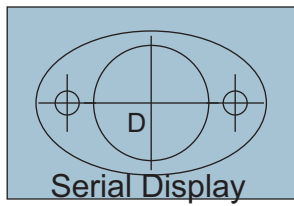
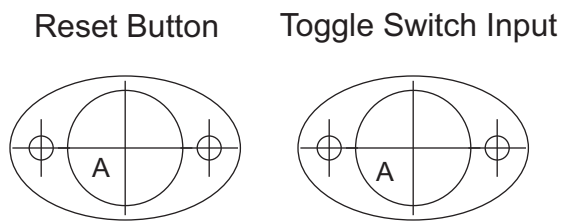


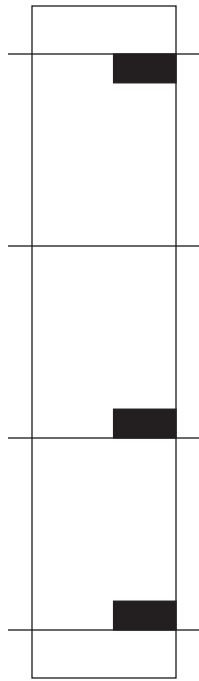
Arduino Interface for Train
Norbert Doerry
May 2015



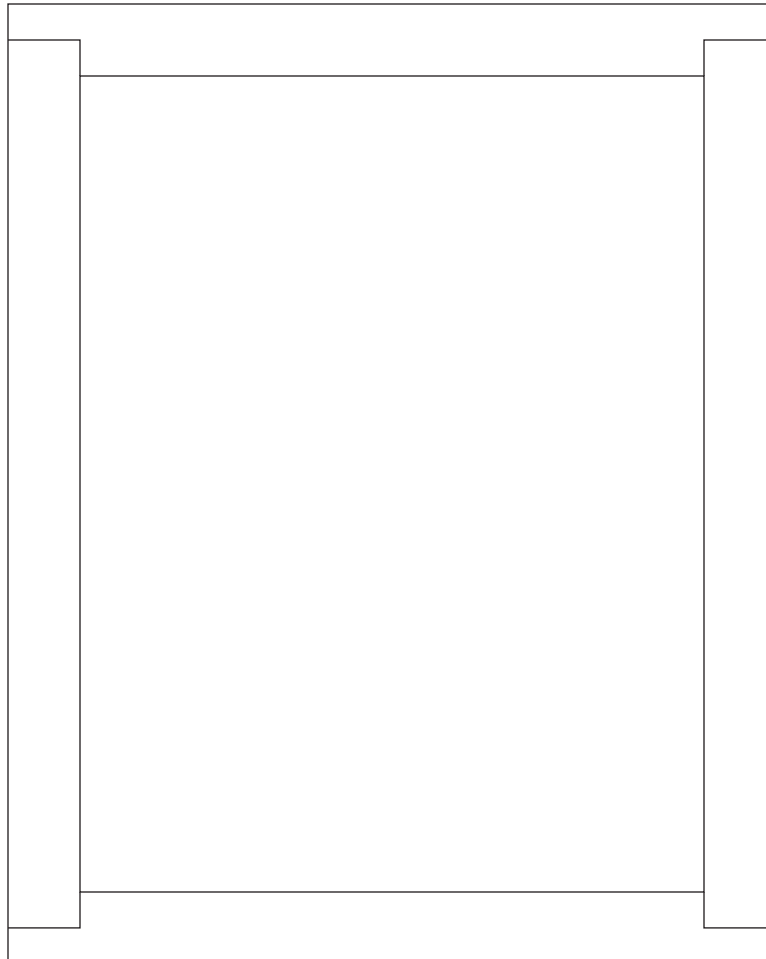


Coil - Switches - Direction

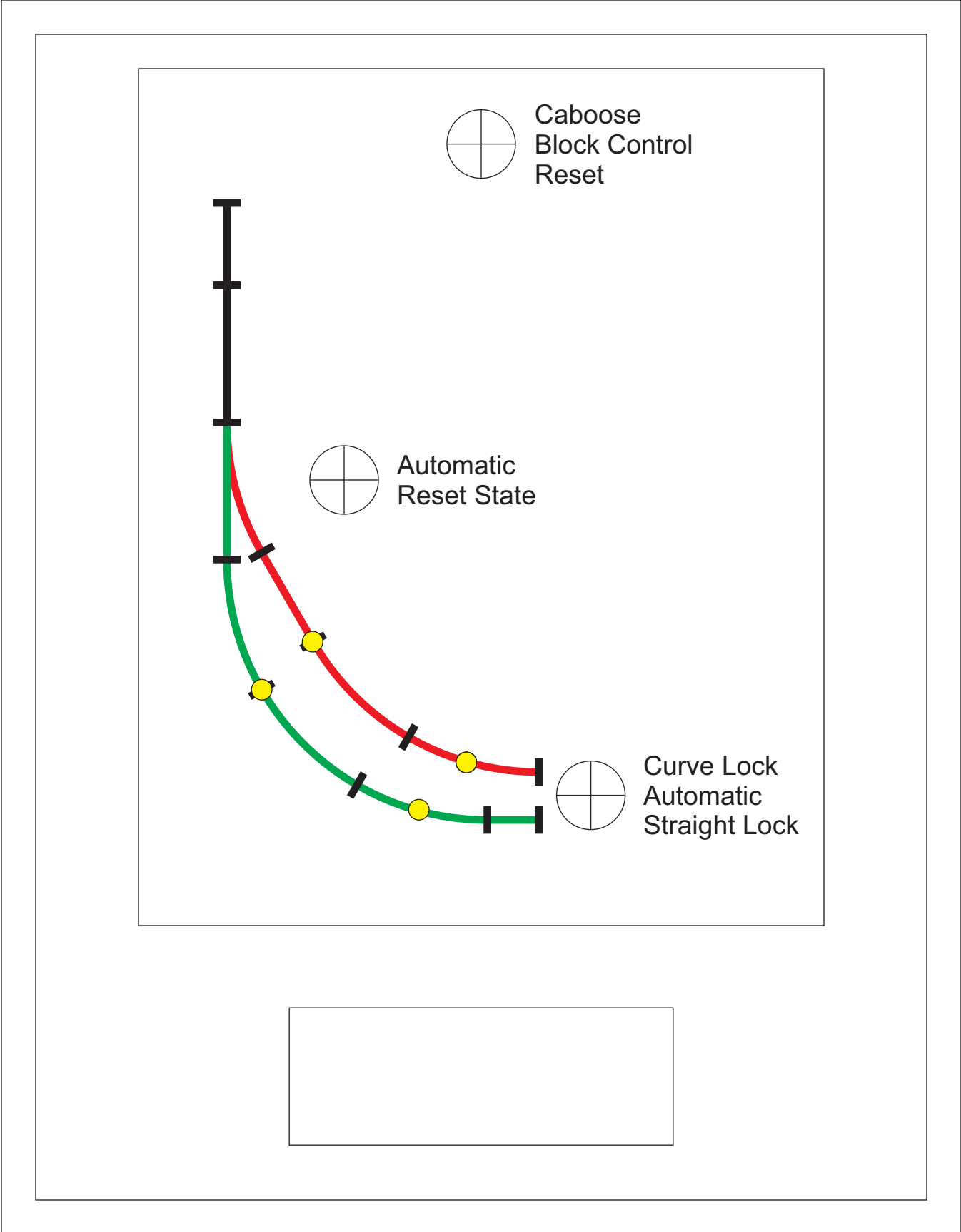




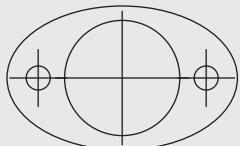
1/8 inch particle board
for layers



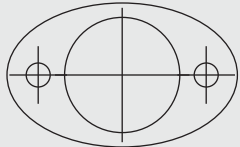
Outer Dimensions
8 by 10 inches



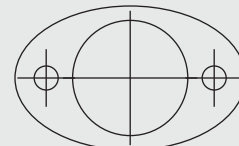
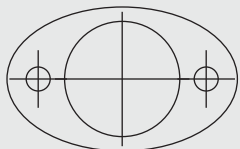
Reset Button



Toggle Switch Input

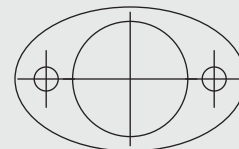


Serial Display



SPARE

Caboose Block Control
Reset



Straight Ent Trip (D)	Straight Ent Trip (A)	Switch Ent Ctrl (D)	Switch Ent Sensor (D)
Curve Ent Trip (D)	Curve Ent Trip (A)	Switch Exit Ctrl (D)	Switch Exit Sensor (D)
ExitTrip (D)			
Straight Block Ctrl (D)	Curve Block Ctrl (D)	Reset Button (A)	Toggle Switch (A)
Shared Block Ctrl (D)			
12V IO Power	12V D Power		Serial Display (D)
CBC Reset	Toggle Switch (A)	Reset Button (A)	Serial Display (D)

