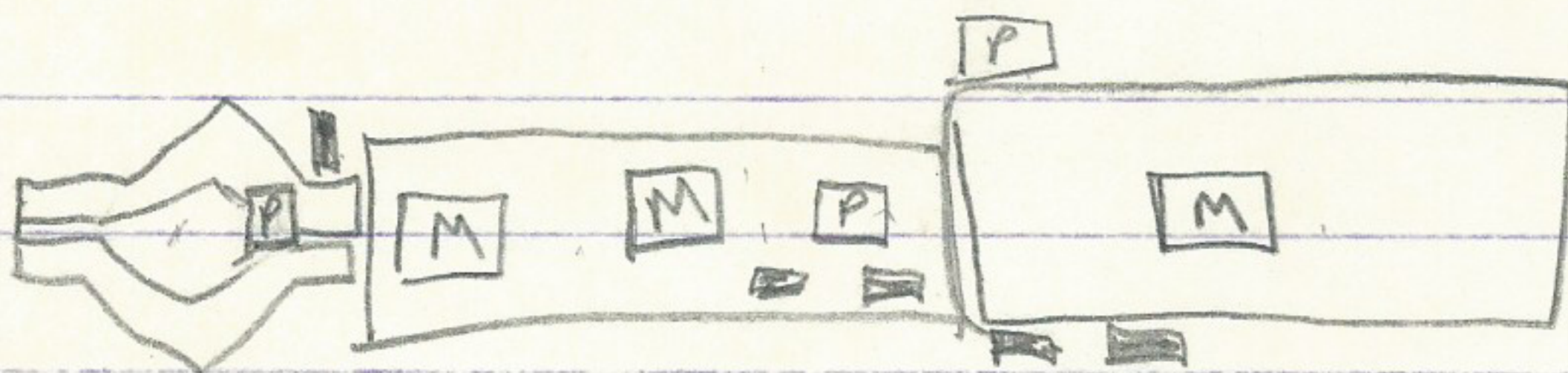


$$\begin{array}{ccccccc}
 2n+5 & 7 & 6n+1 & 7 & 6n+1 & 7 & = 21 \text{ wires} \\
 \text{wires} & & \text{wires} & & \text{wires} & & \text{direct hook-up} \\
 7 + & & 14 & & & & +
 \end{array}$$



$$\begin{array}{r}
 21 \\
 - 17 \\
 \hline
 4 \text{ wires}
 \end{array}$$

saved by mounting
the relays on the
arm.

common	+ 6V M
"	+ 12V M
"	Gnd M
sensors	Gnd D
	+ 5V

(one for each) 3 CT.

Relays common + 12V D

(one for each) 6

(Hand sensors) 2

17 total

Alu