



# SKILL 19

## CIRCUIT DESIGN AND/OR MODIFICATION

**NOTE:**

1. Open the template "M3\_template.ct" on your computer.
2. Save the template with your **country short sign** and your **surname**. (Example: liyi.ct)
3. Use only the newly saved template to design the electrical circuit in FluidSIM!

### COMPETITOR:

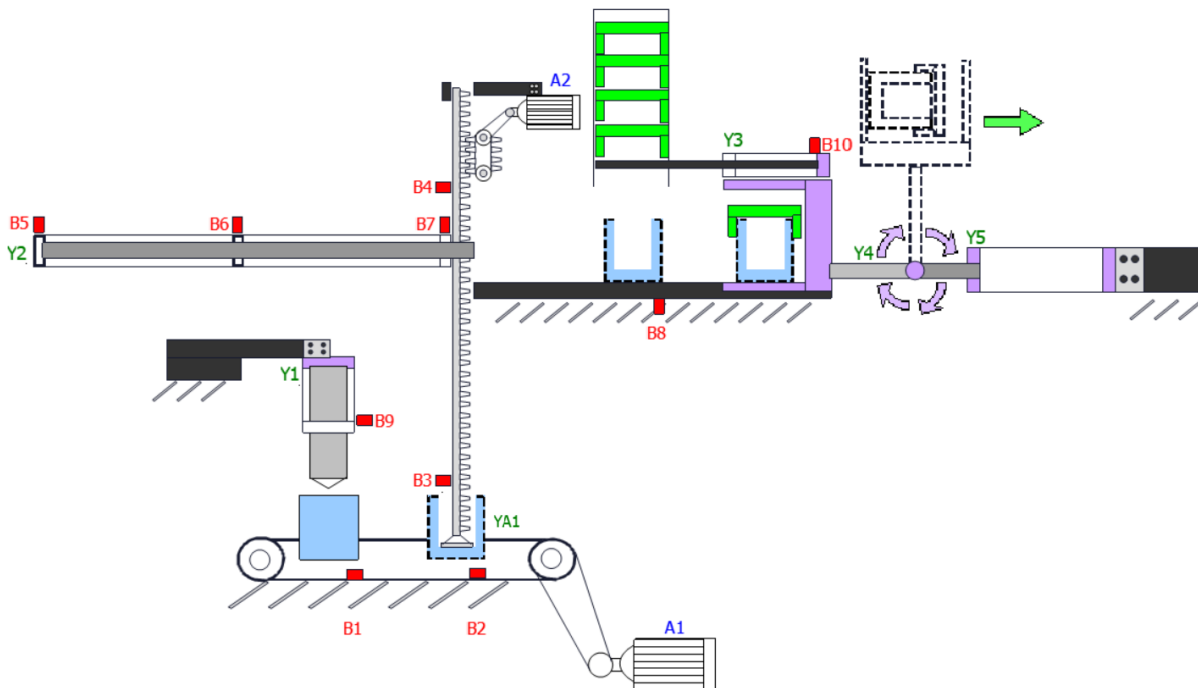
NAME: \_\_\_\_\_

CITY/REGION: \_\_\_\_\_

BOOTH NR: \_\_\_\_\_



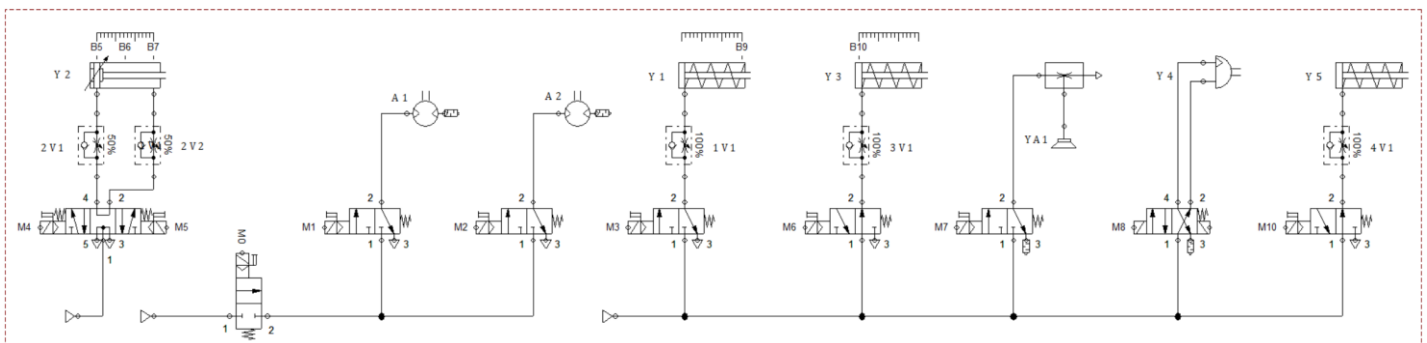
## REPRESENTATION OF SYSTEM:



## SEQUENCE OF MOVEMENT (CYCLE)

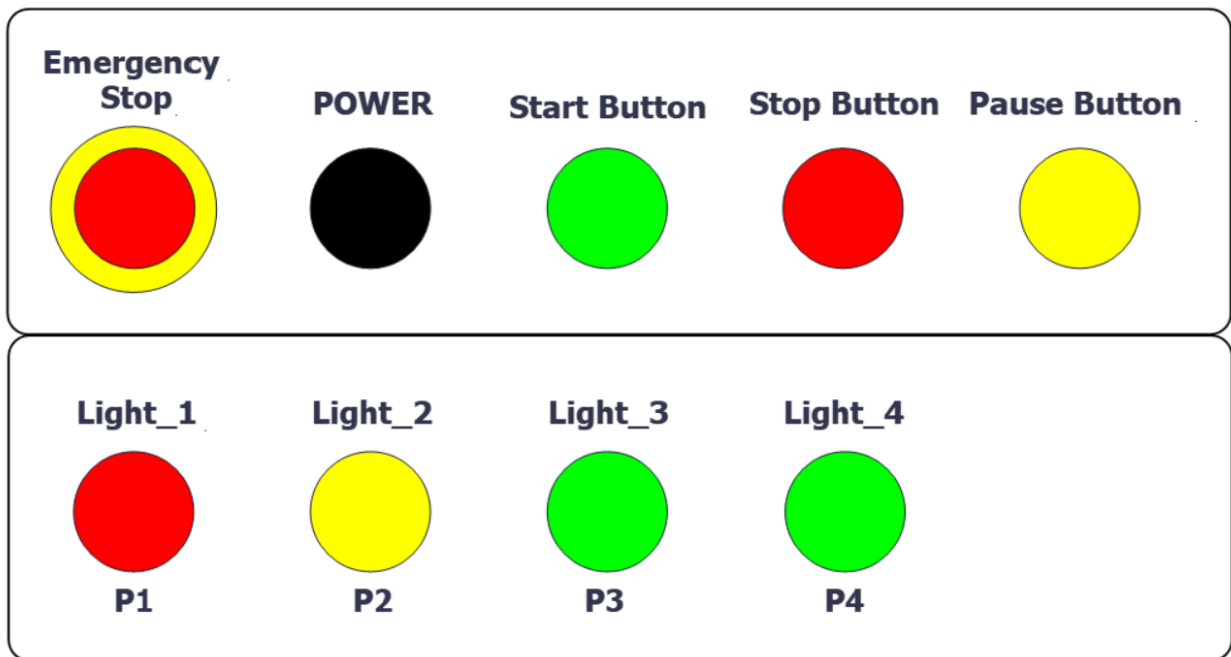
START **1** → **A1** → **Y1+** → **A2** → **Y2+** → **Y3-** → **Y2+** → **Y5-** → **Y4** → **1**

## PNEUMATIC DIAGRAM:

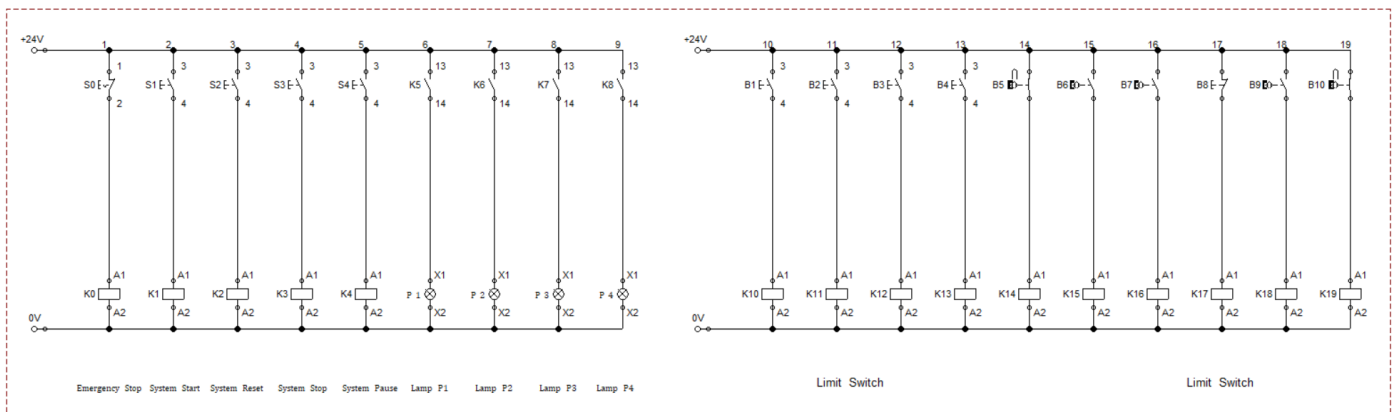


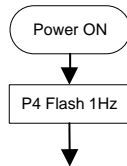


## CONTROL PANEL AND SWITCHES:

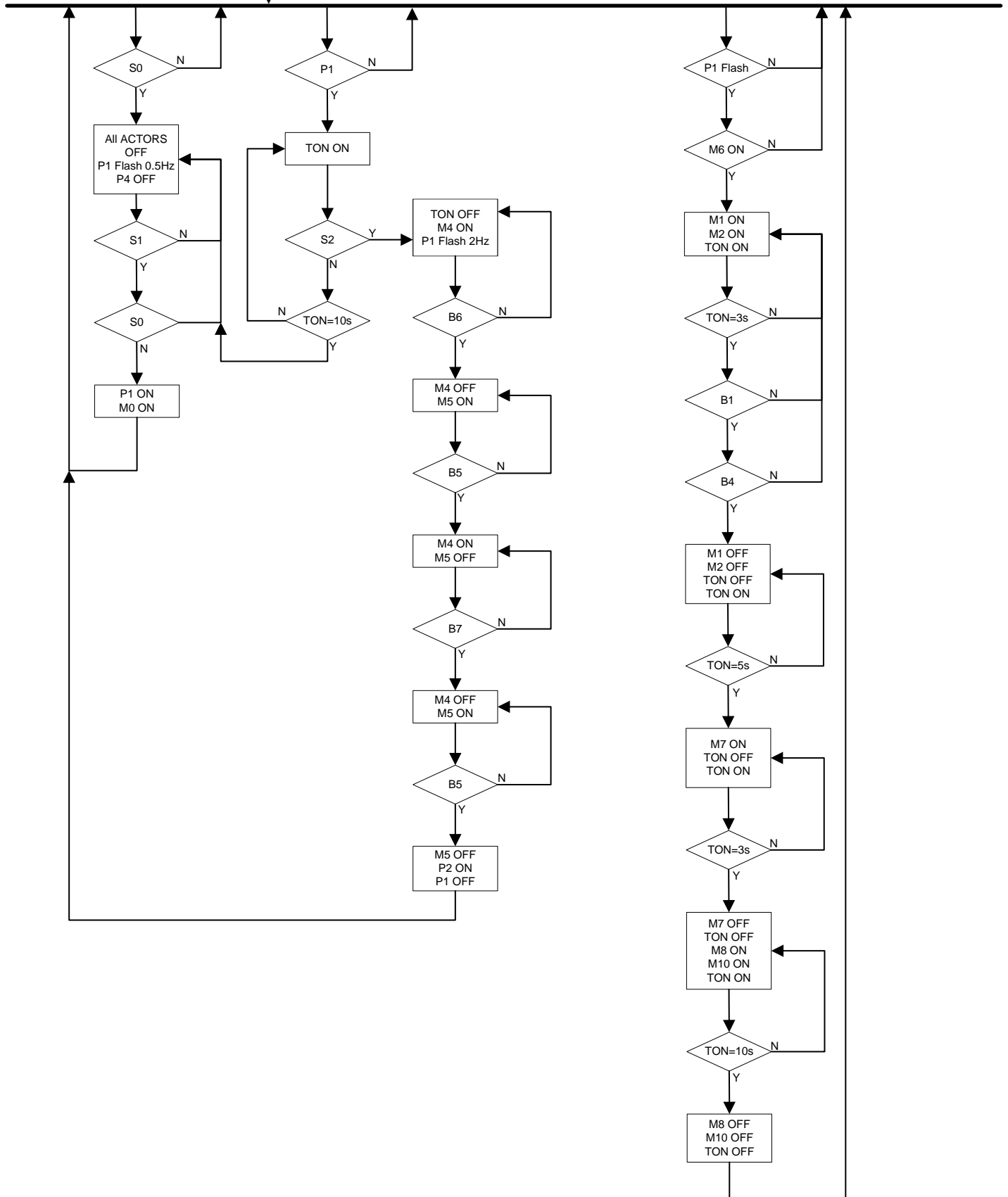


## ALREADY WIRED CONTROL PANEL AND FIELD SENSORS:





**Note:** N = not actuated  
Y = actuated





Note: N = not actuated  
Y = actuated

