LAB 1

EETC 2331

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Fall 2018 Grade \_\_\_\_\_\_\_\_\_

1. The purpose of this lab is to learn how to open the software for Studio 5000 and Factory Talk View Studio and begin writing programs. Once you have worked thru the slides for Studio 5000 to write a program and completed project 1 for Factory Talk View Studio, you will write program to do three tasks.
   1. Task one write a rung to turn on a LED1 (run light) Local:1:O Data 0 using a PBNO (START BUTTON) Local:1:I Data 0 and a PBNC (STOP BUTTON) Local:1:I Data 8 to turn off the output. Use a output parallel branch to seal in the output.
   2. Task two write a rung using Latch and unlatch to do the same.

LED2 (run light) Local:1:O Data 1

PBNO (START BUTTON) Local:1:I Data 1

PBNC (STOP BUTTON) Local:1:I Data 9

* 1. Task three write a rung to do task one using PanelView

LED3 (run light) Local:1:O Data 2, green when on , red when off, black letters - size and location (130,130,50,160)

PV\_START, green/black letters - size and location (75,75,30,50)

PV\_STOP, red/ black letters - size and location (75,75,130,50)

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\_\_\_\_\_\_ Task one the output remains on when PBNO is release and goes off when the PBNC is pushed.

\_\_\_\_\_\_ Task two the output remains on when PBNO is release and goes off when the PBNC is pushed.

\_\_\_\_\_\_ Each output and input has the correct name.

\_\_\_\_\_\_ Each output and input has the correct description.

\_\_\_\_\_\_ Each output and input has the correct data.

\_\_\_\_\_\_ Each rung has a good comment.