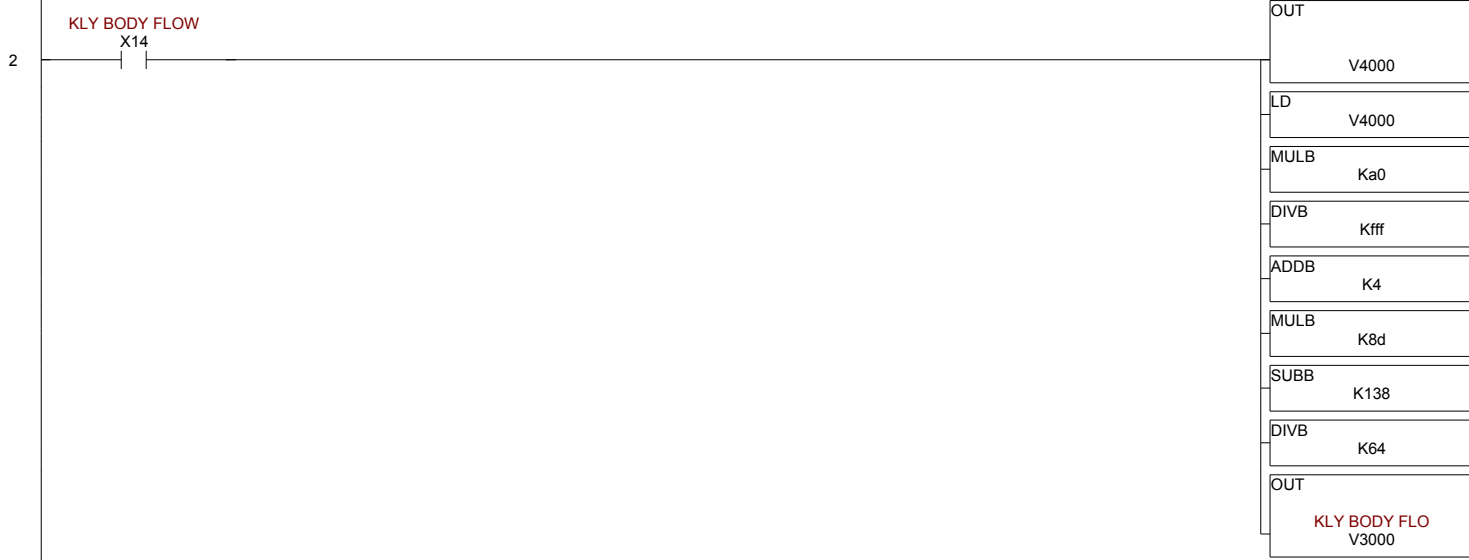
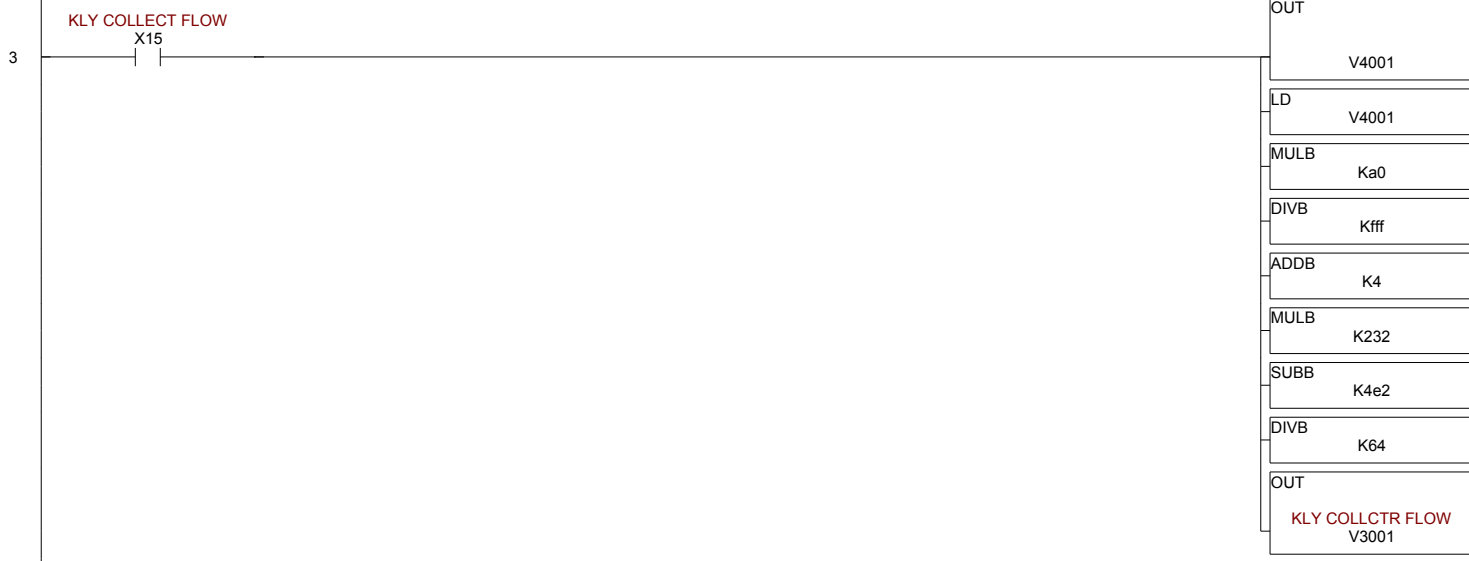


Path: c:\documents and settings\epeoples\desktop\klystron plc\elmiehins.prj
Save Date: 12/14/09 16:13:04
Creation Date: 12/17/08 14:35:25
PLC Type: 450
Class ID: DirectLogic 405 Series
Link Name: HINSPLC
Description: HINS Test Cave PLC

LOAD 4-20mA INPUTS



KLCFR

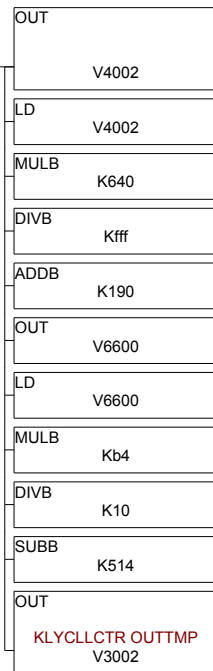


KLCOWT

KLY COLL OUT TMP

X16

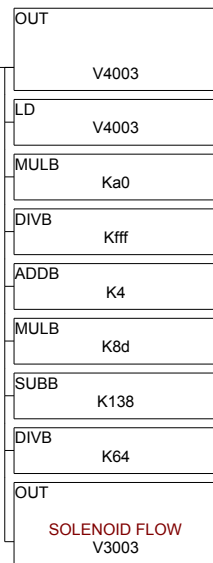
4



SOL FLOW RATE

X17

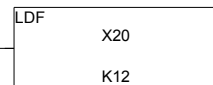
5



LOAD 4-20mA INPUTS

On
SP1

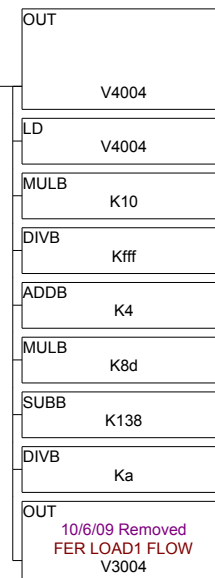
6



10/13/09 - Removed all Ferrite Load 1 logic, including latches, but had to keep this line of logic to get the RTDs to read a value!

10/6/09 FerLd1
Removed
Spare
X34

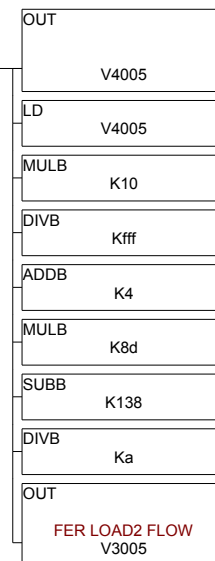
7



FLD2FR

FLOAD2 FLOW RATE
X35

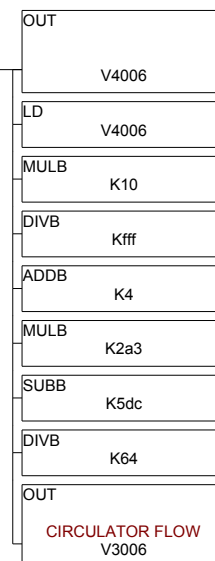
8

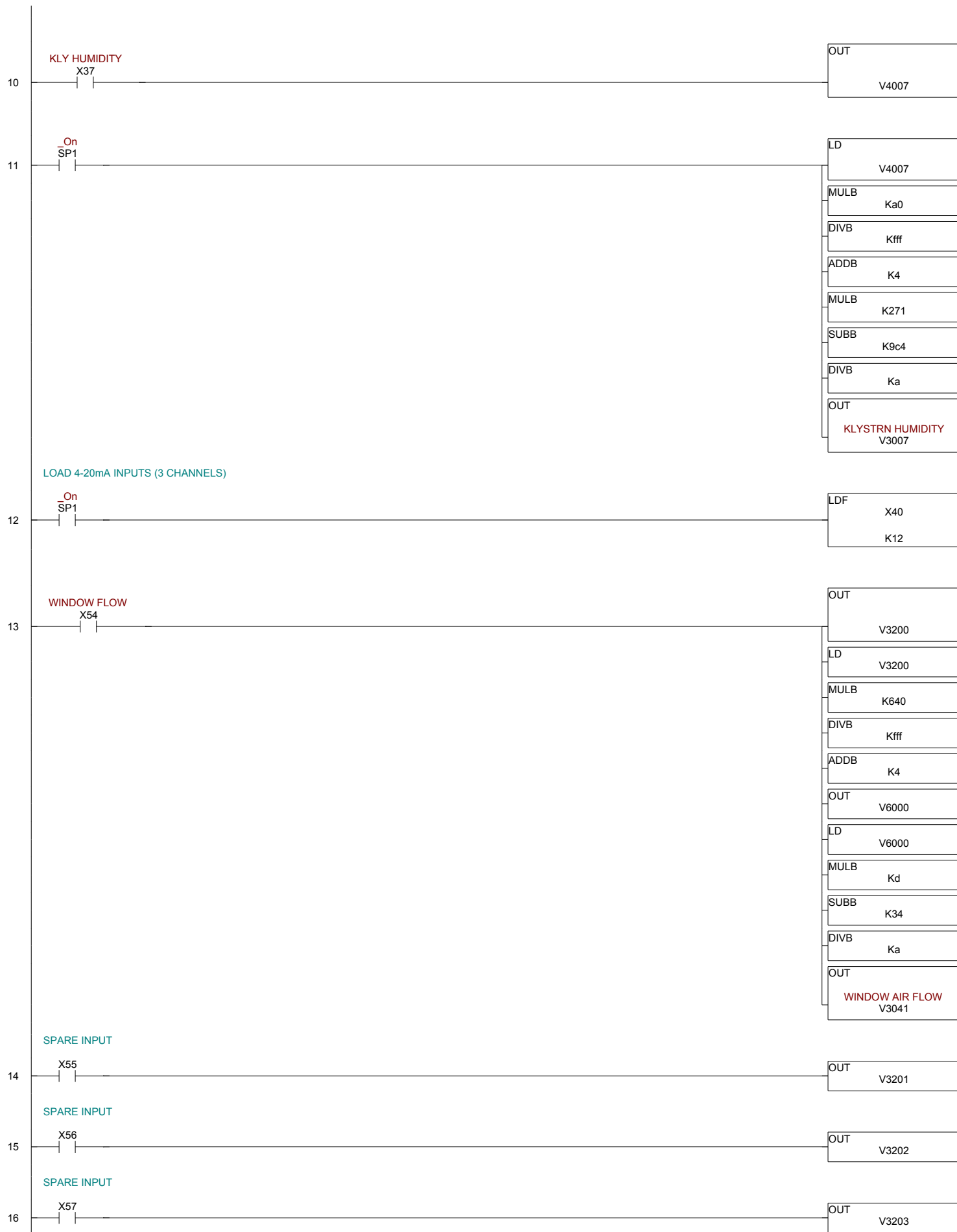


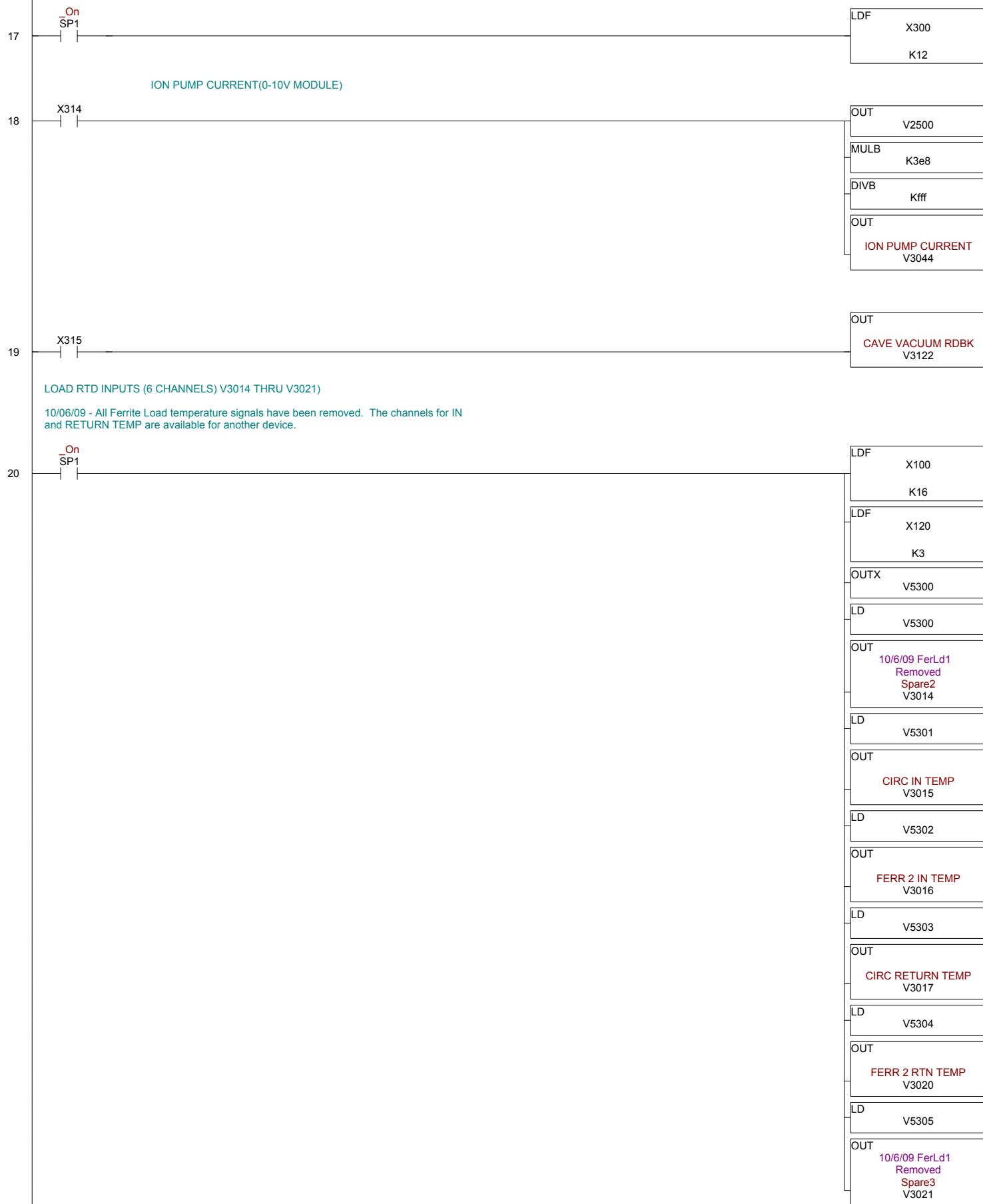
CIRFR

CIRC FLOW RATE
X36

9



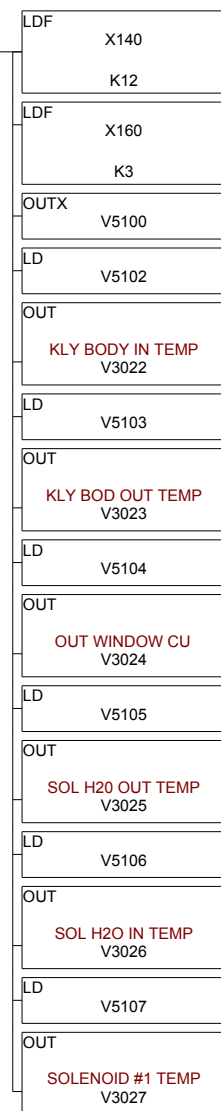




LOAD THERMOCOUPLE TEMPS TYPE-T (8 CHANNELS) V3022 THRU V3031

21

On
SP1



LOAD THERMOCOUPLE TEMPERATURES TYPE-T

22 On
SP1

- LD X200
K12
- LD X220
K3
- OUT V5200
- LD V5200
- OUT
COLL EDGE TEMP
V3030
- LD V5201
- OUT
COLL POINT TEMP
V3031
- LD V5202
- OUT
SOLENOID #2 TEMP
V3032
- LD V5203
- OUT
SOLENOID #3 TEMP
V3033
- LD V5204
- OUT
XFMR TANK TEMP
V3034

LOAD FILAMENT POWER VALUES

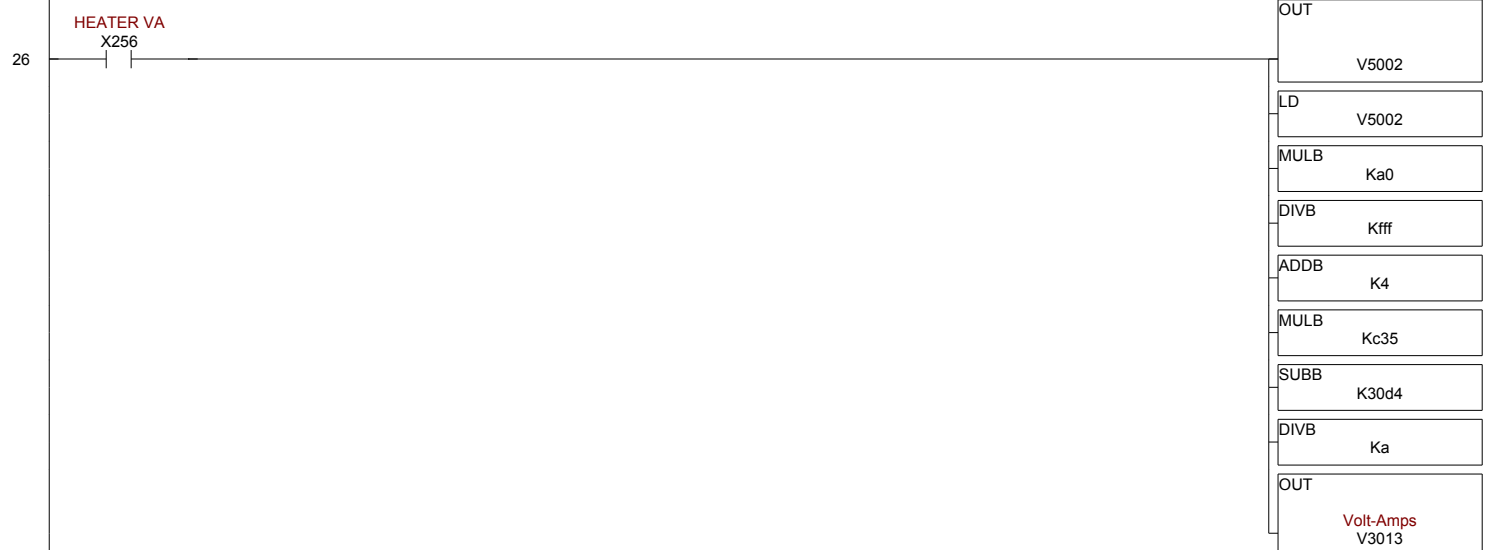
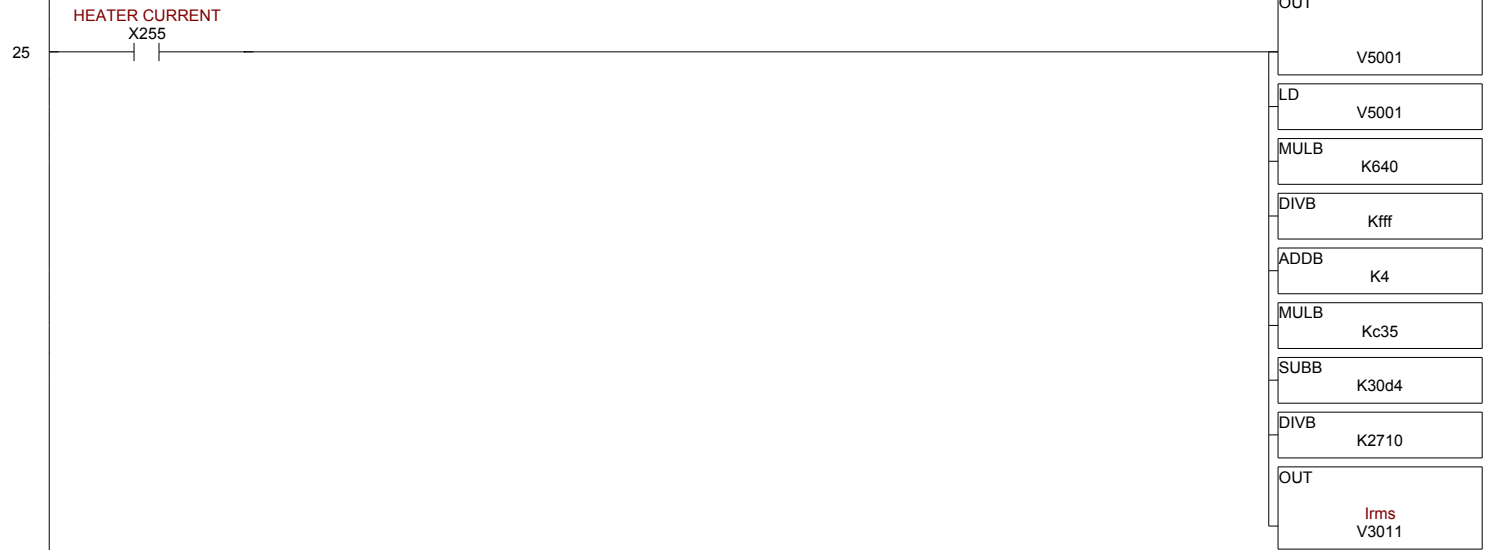
23 On
SP1

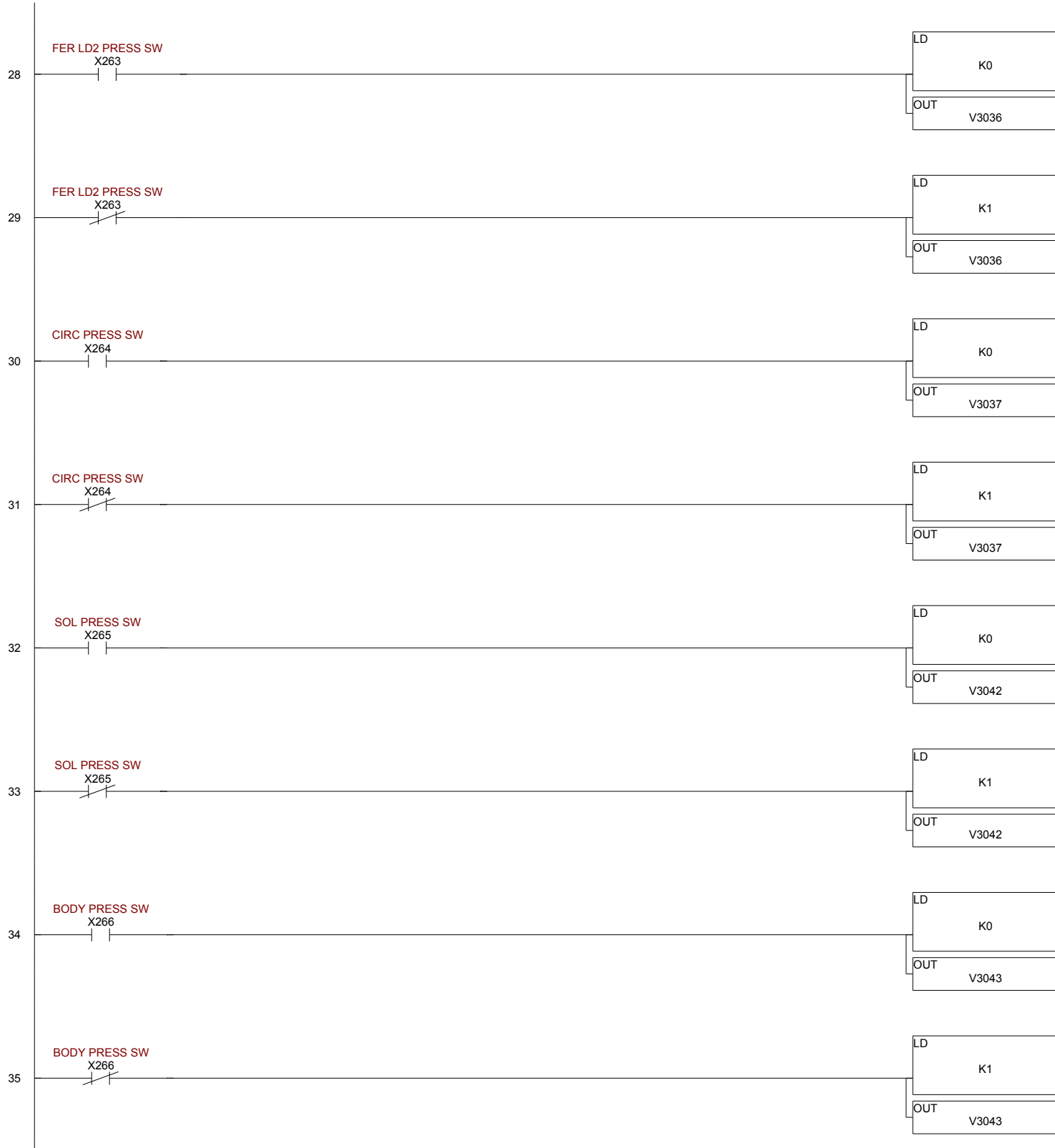
- LD X240
K12

HEATER VOLTS
X254

24

- OUT V5000
- LD V5000
- MULB Ka0
- DIVB Kfff
- ADDB K4
- MULB K3d09
- SUBB Kf424
- DIVB K3e8
- OUT
Vrms
V3010





36

RESET
X273

B3045.0
(RST)

B3046.0
(RST)

B3047.0
(RST)

B3050.0
(RST)

B3052.0
(RST)

B3053.0
(RST)

B3054.0
(RST)

B3055.0
(RST)

B3057.0
(RST)

B3060.0
(RST)

B3061.0
(RST)

B3062.0
(RST)

B3064.0
(RST)

B3065.0
(RST)

B3066.0
(RST)

B3067.0
(RST)

B3070.0
(RST)

B3071.0
(RST)

B3072.0
(RST)

B3073.0
(RST)

B3074.0
(RST)

B3075.0
(RST)

B3076.0
(RST)

B3077.0
(RST)

B3100.0
(RST)

B3102.0
(RST)

B3103.0
(RST)

B3104.0
(RST)

B3105.0
(RST)

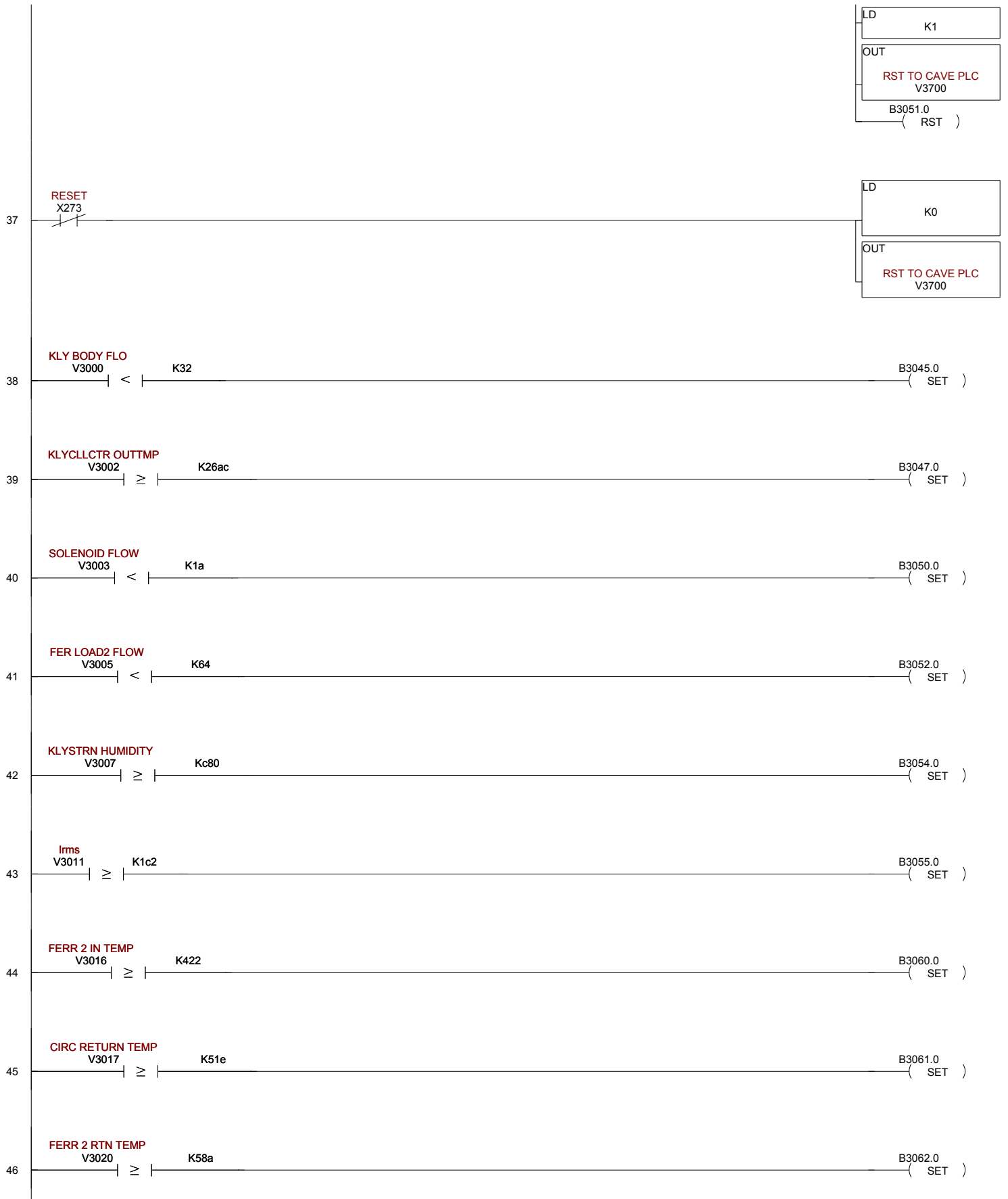
ION PUMP V LATCH

B3106.0
(RST)

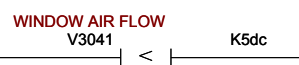
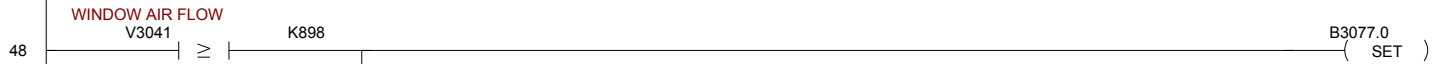
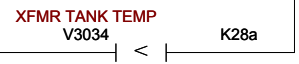
B3107.0
(RST)

B3110.0
(RST)

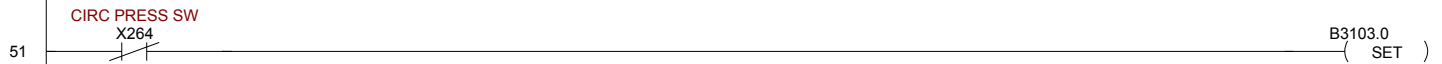
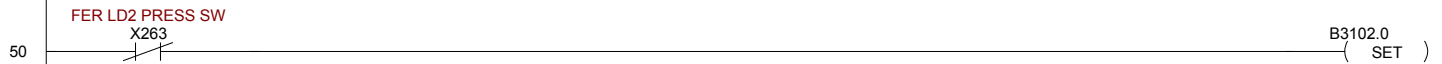
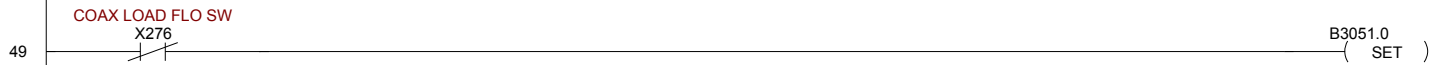
B3111.0
(RST)

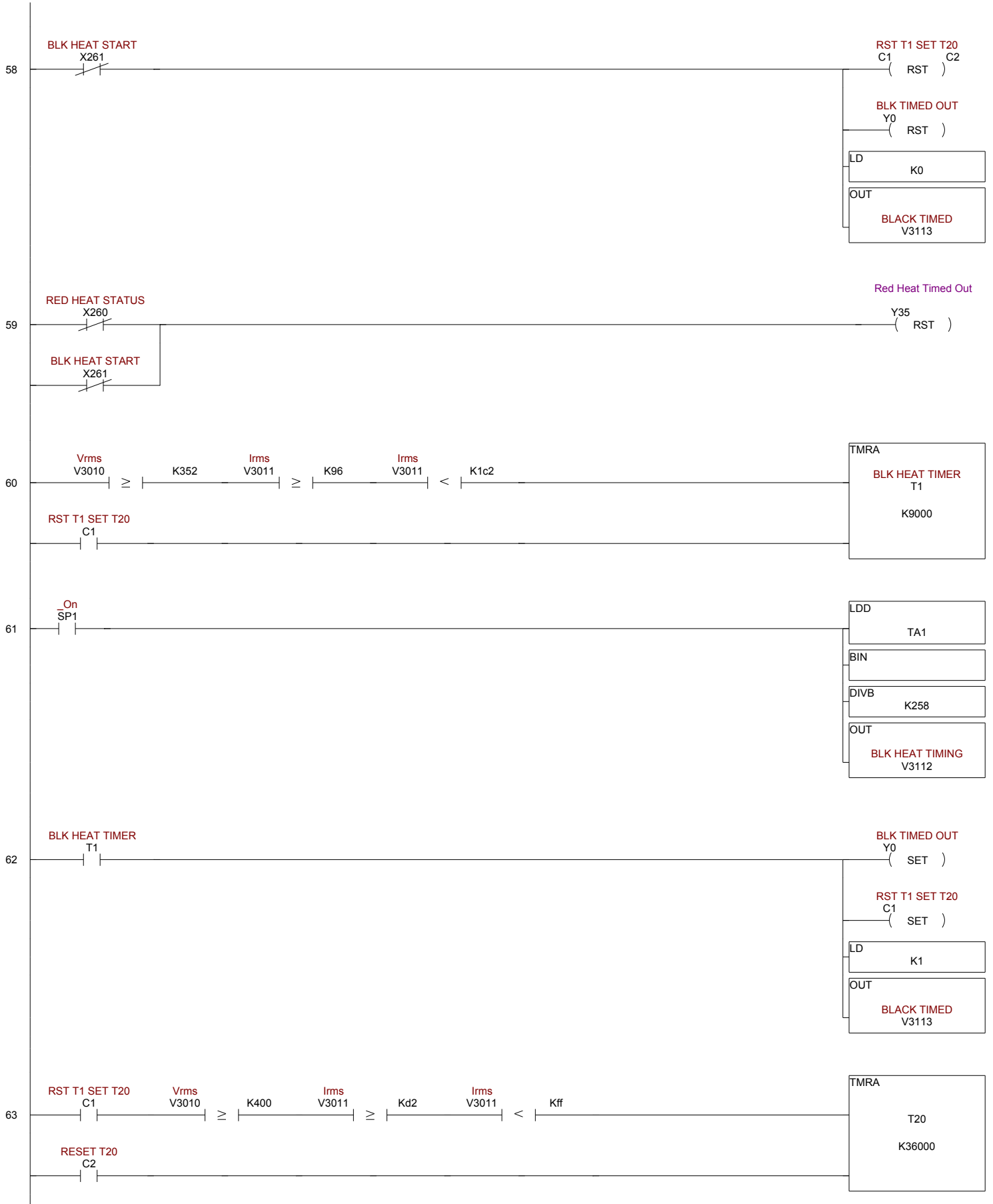


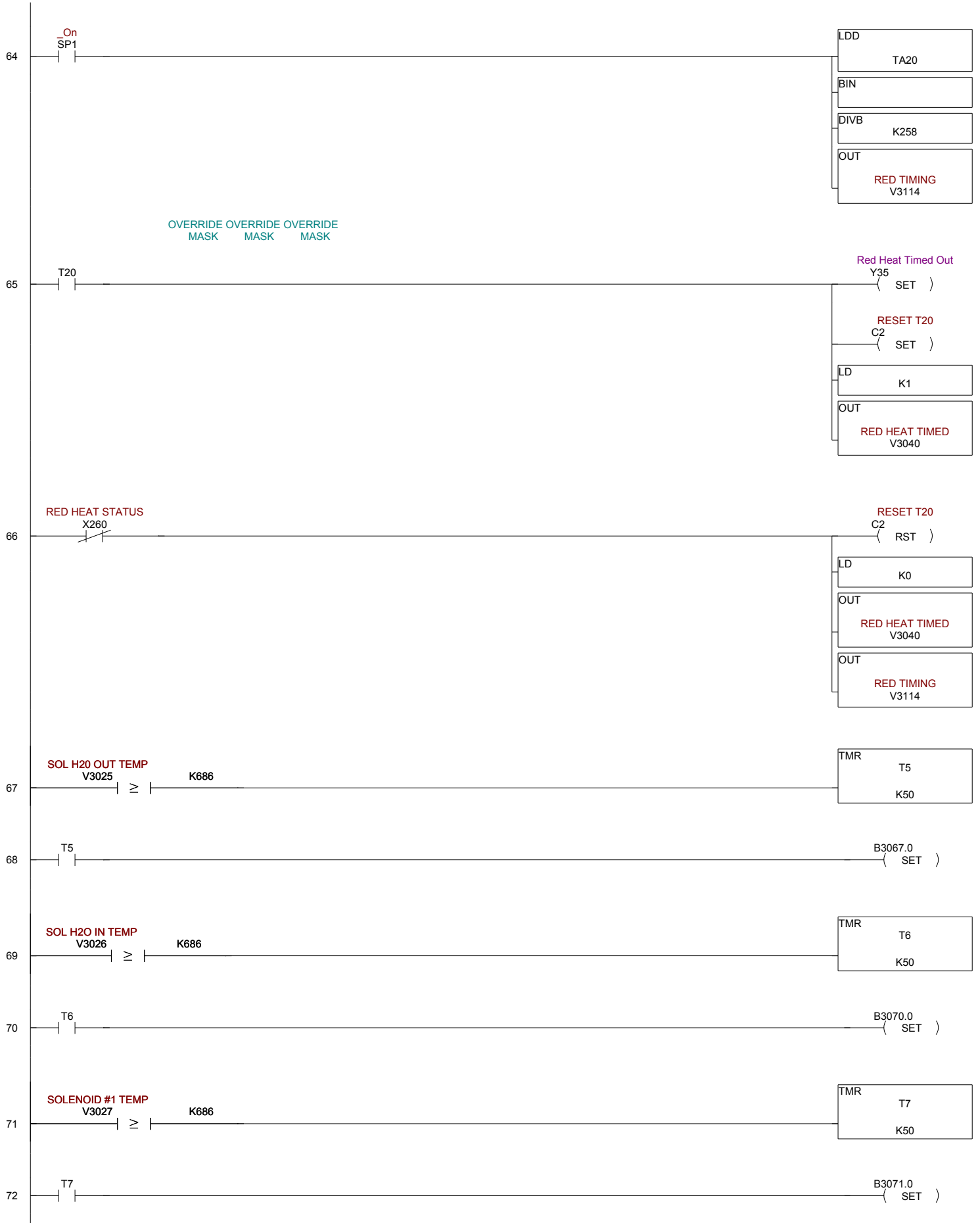
12/14/09
Changed latch to match transformer temp ok relay contact output. Temp should be between 65 deg F and 115 deg F.

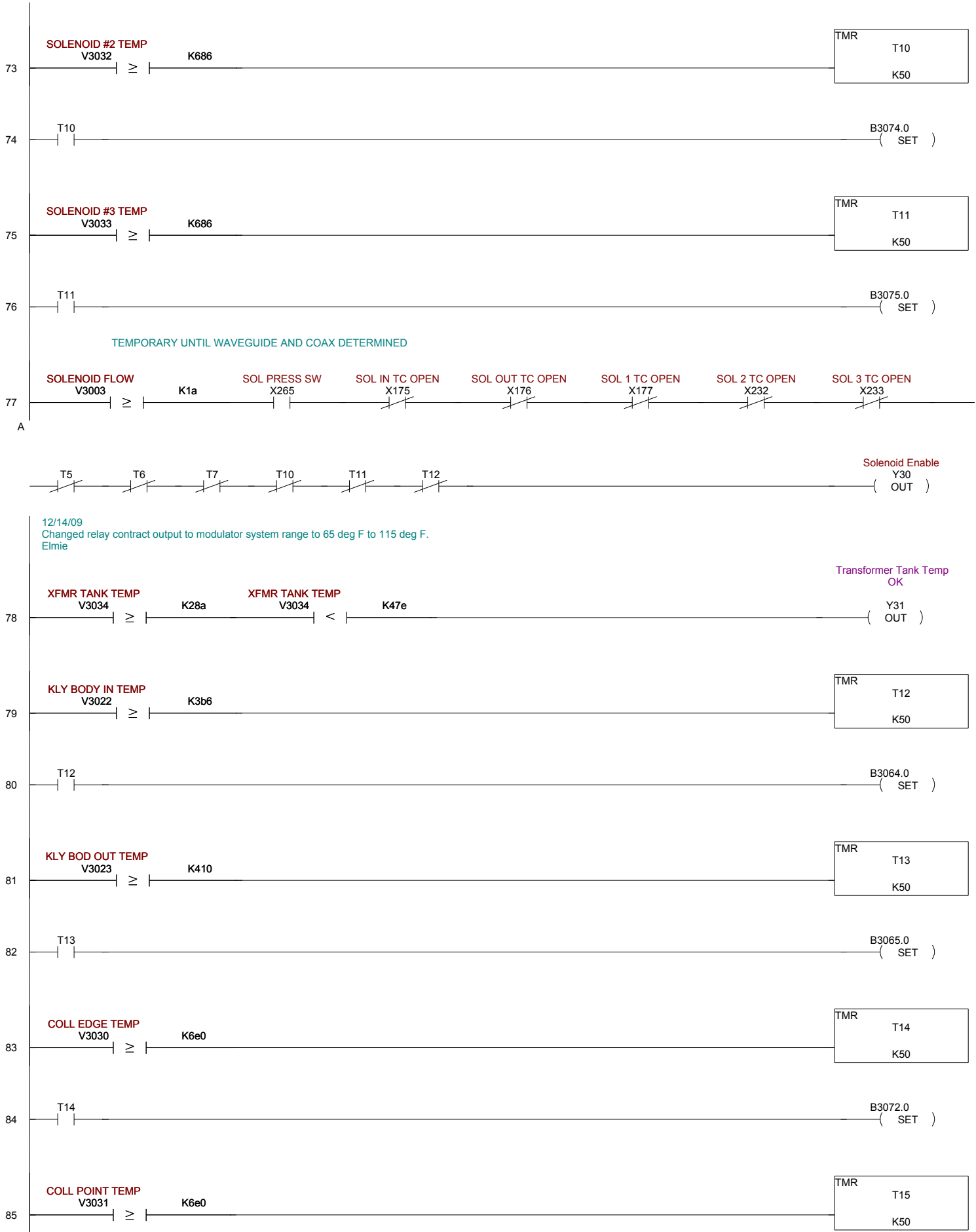


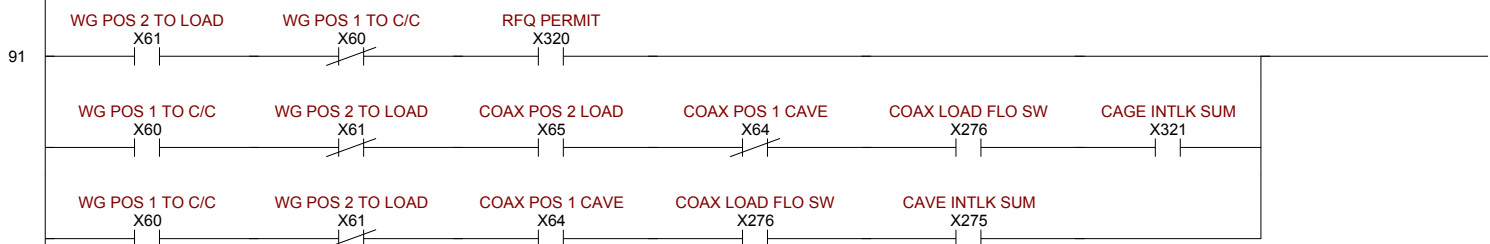
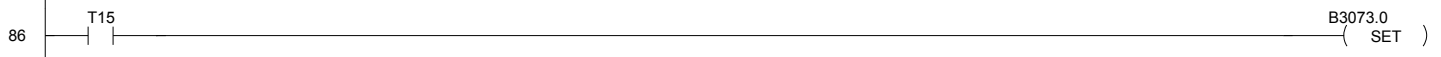
10/13/09 - Added a latch for the hybrid and coax sw loads to tell when this trips off.

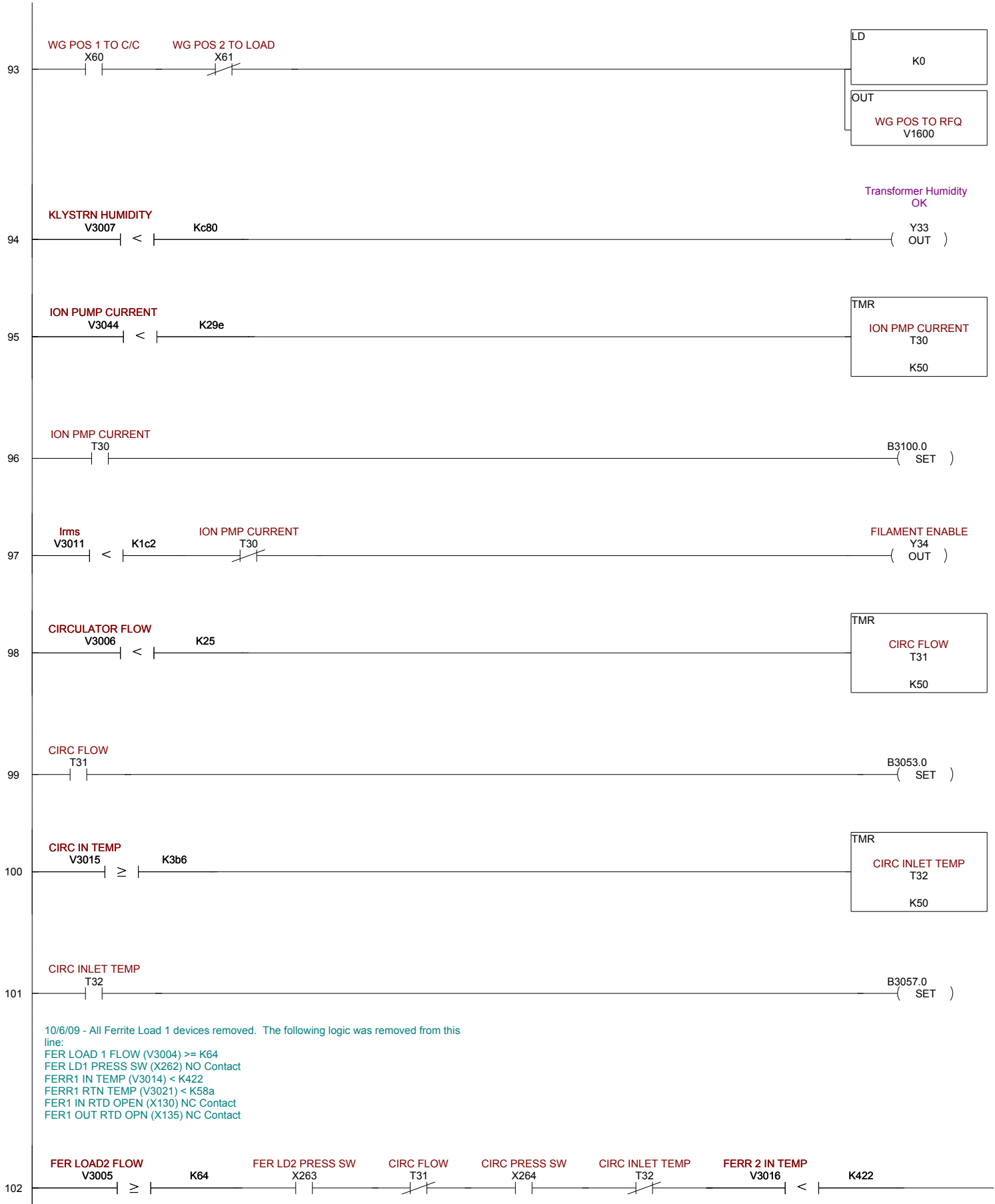






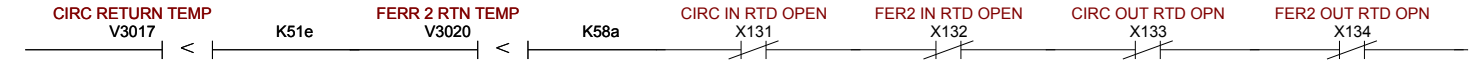






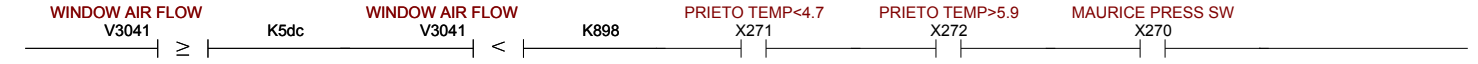
A

B



B

C



C

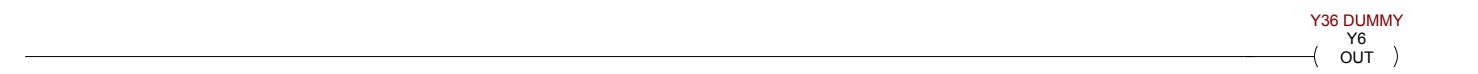


A



103

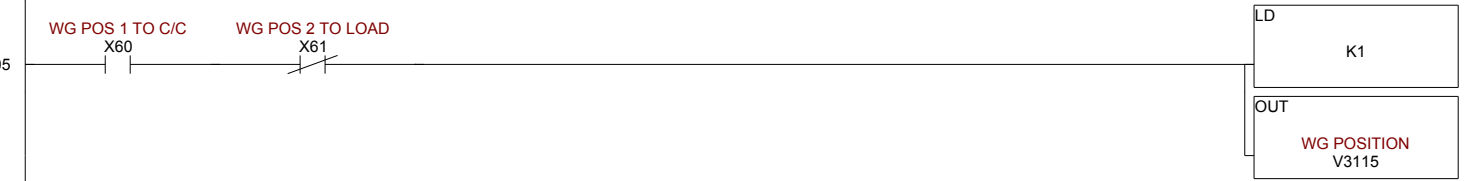
A



104

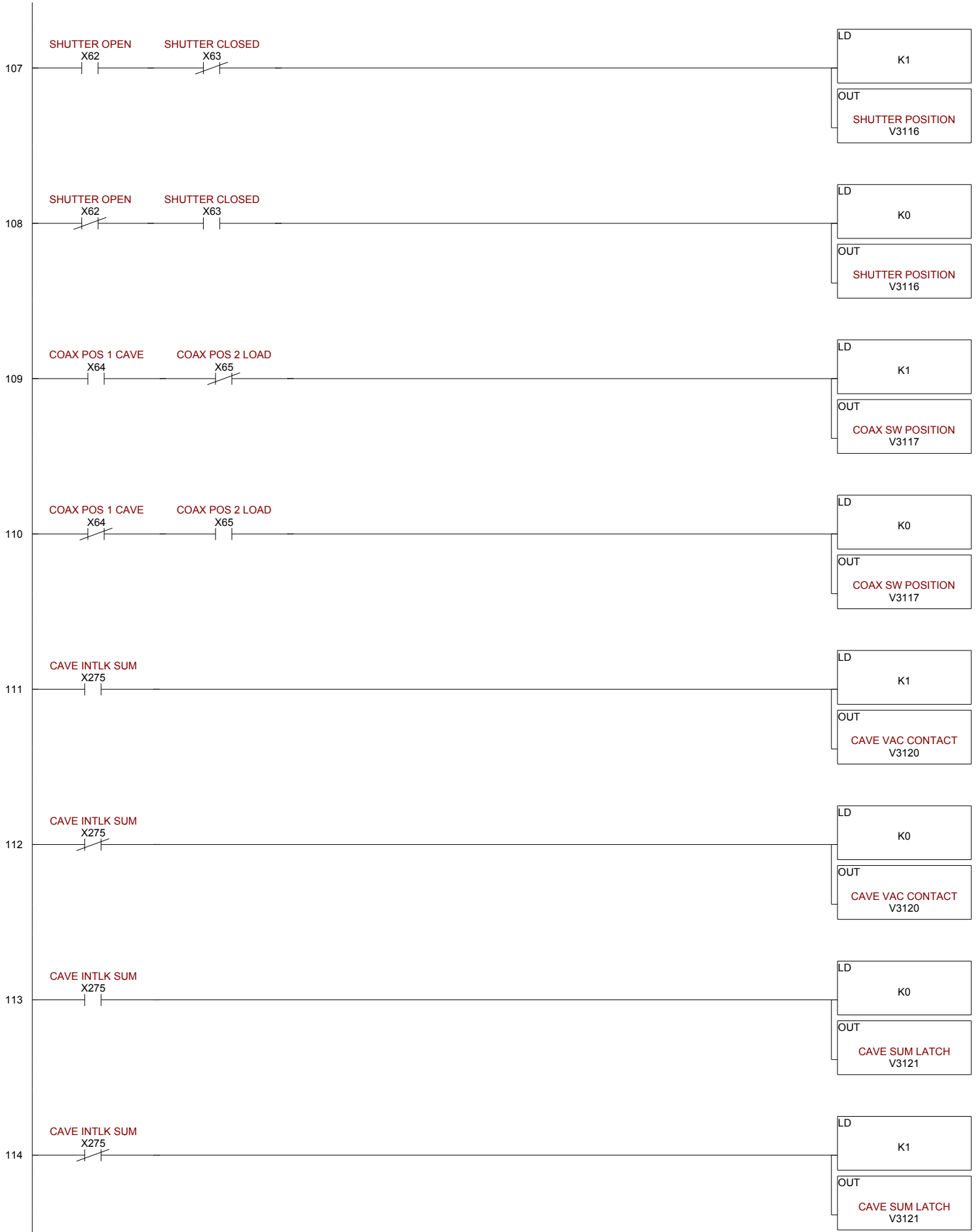


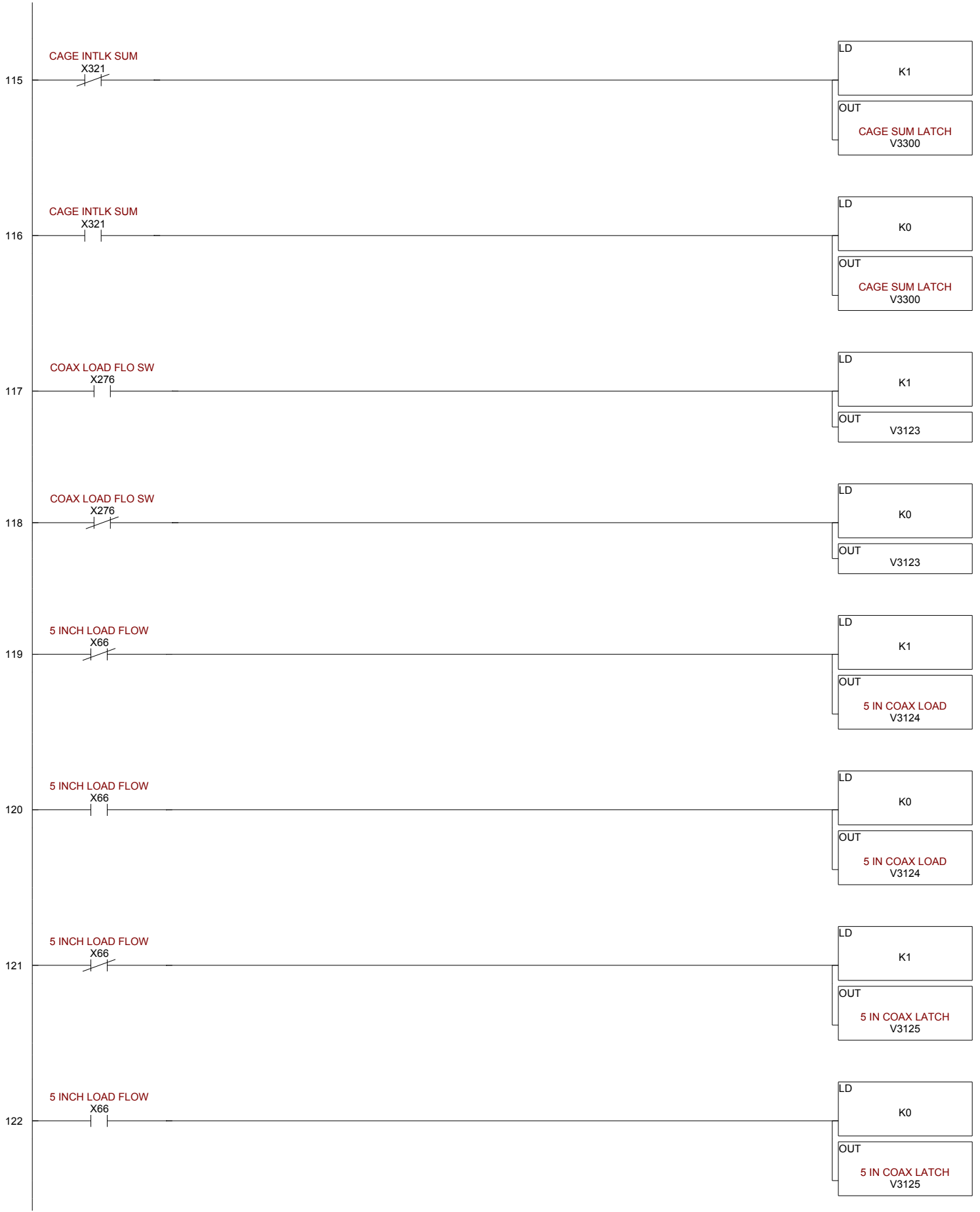
105



106







ELMIE RF SWITCHBOX

