Comment

8-8-18 REVISED W/ CNTRS, MSGS ETC,,.... COSMETIC CHNGES ONLY
10-30-18 added black receiver vibration buffers, dwnlded yes, with the new counters, 1st time
2-13-19 added AES interconnect, monitoring 2 ex fans
3-15-19 redwnld because of prgrm glitches
counts were 3-15-19, Sopencnt 459, Copencnt 4247, Nopencnt 34, fntmrsw 2, fnswon 3, exfanhrs 208h 14m, exfancnt 2426, Sdrcnt 2423, Cdrcnt 2423, Ndrcnt 114,
7-15-20 redwnld, all counts to zero
cnts were----- aescntout 9304, fncnt 0, sopencnt 4025, copencnt 13161, nopencnt 412, fntmrsw 4, fanonsw, 11, exfanhrs 804h 11m, exfncnt 9306,
sdrcnt 7743, cdrcnt 7743, ndrcnt 675
11-9-20 slowed flash on bckuplt =yes done at station, also added MOV verified
3-17-22 verified FS-04 type, MOV present, counters read ndr cnt 1481, cdr cnt 5879, sdr cnt 5879, exfancnt 15202, exfanhrs 1410h 8m, fansw on 47, fn tmrsw 7, nopencnt 432, copencnt 9738, sopencnt 17141, fnoncnt 15202, fncrcnt 2364, aesoutcn 12837, tweak prgrm, redwnload prgrm, all reset to zero, installed on city IP address
3-18-22 noted something wrong with AES output
3-24-22 all counts to zero = update

Module Address

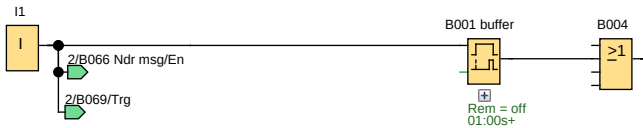
IP Address	10.126.164.21
Subnet Mask:	255.255.255.240
Default gateway	10.126.164.17

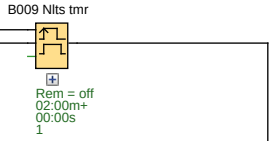
Station 10 Doors 3-17-22 used Wind LGC version 8.0 type FS-04 verified

City IP address
10.126.164.21
255.255.255.240
10.126.164.17

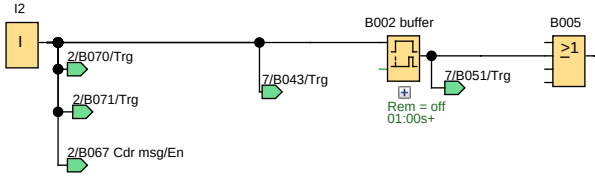
Door section, app. bay lts

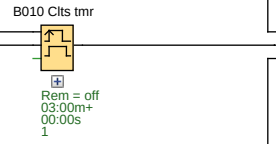
I1-NORTH DOOR

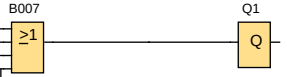




I2-CENTER DOOR

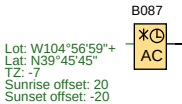




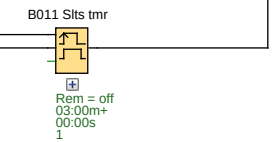


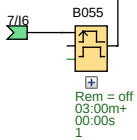
Q1-APP BAY LIGHTS

Astro clock



I3-SOUTH DOOR



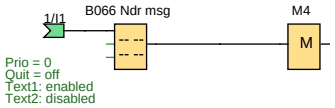


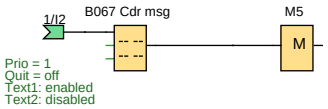
PAGE 1

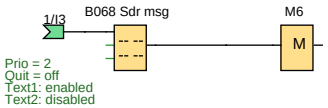
Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 10 doors	Customer:	Denver Fire Department
Checked:	3-24-22		Installation:	Sta 10 doors	Diagram No.:	
Date:	9/12/16 9:56 AM/6/10/22 8:46 AM		File:	Sta 10 drs 3-17-22.lsc	Page:	3 / 21

Sta 10

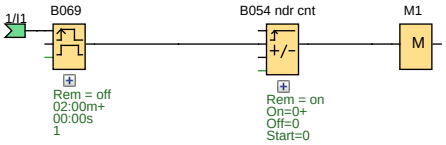
MESSAGE SECTION

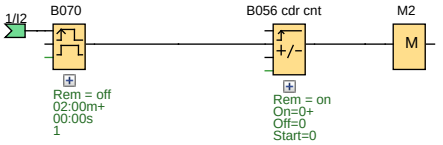


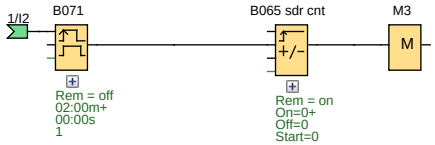




Counting sections

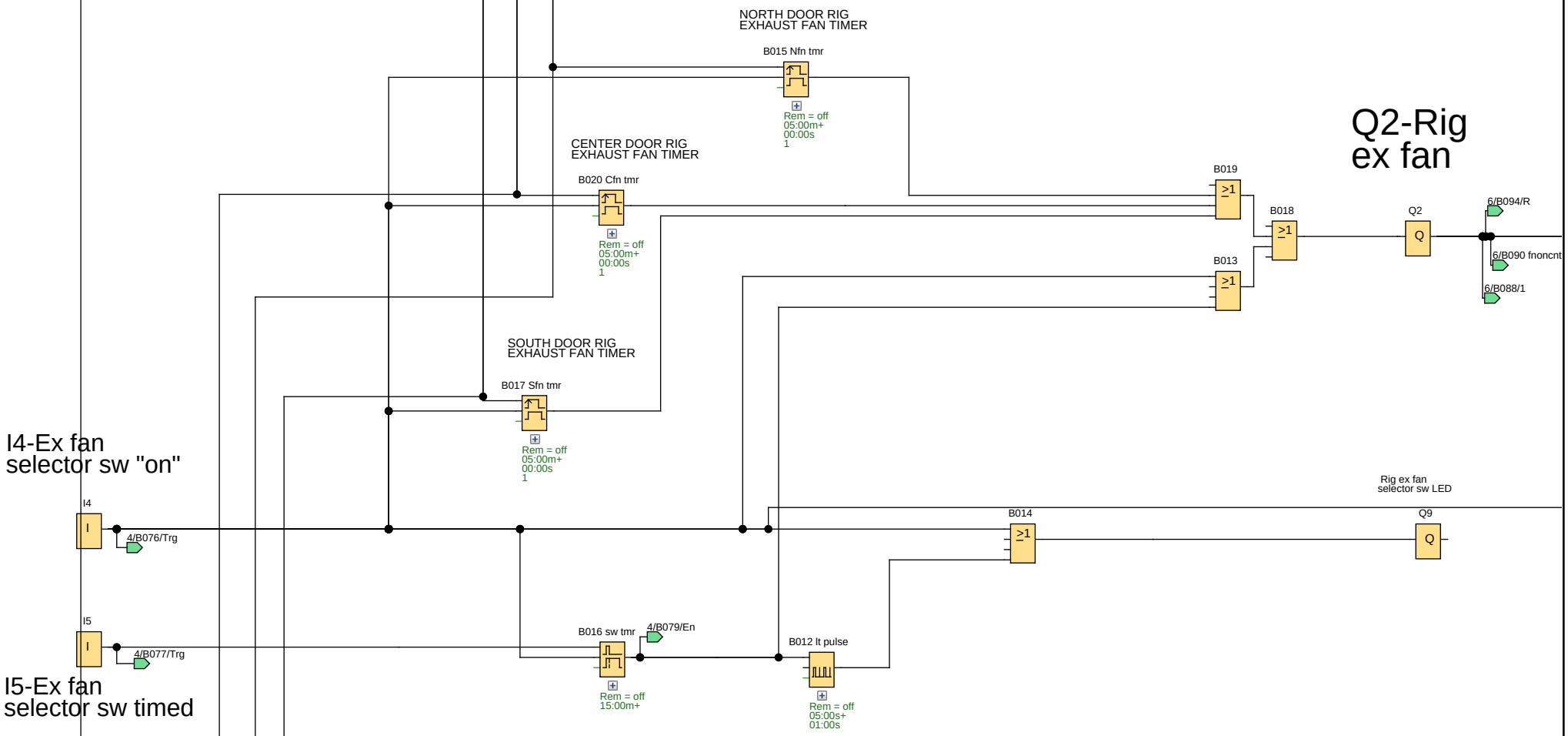






Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 10 doors	Customer:	Denver Fire Department
Checked:	3-24-22		Installation:	Sta 10 doors	Diagram No.:	
Date:	9/12/16 9:56 AM/6/10/22 8:46 AM		File:	Sta 10 drs 3-17-22.lsc	Page:	4 / 21

Sta 10 Doors
Rig exhaust fan section, rig fan weak so set timers to 5 minutes



PAGE 2

Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 10 doors	Customer:	Denver Fire Department
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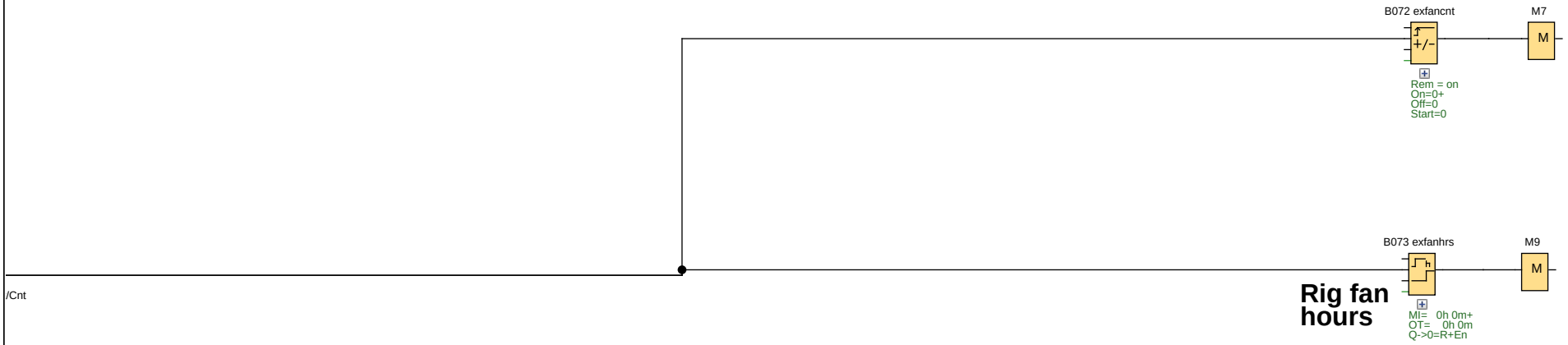
Date:	9/12/16 9:56 AM/6/10/22 8:46 AM		File:	Sta 10 drs 3-17-22.lsc	Page:	5 / 21

Sta 10

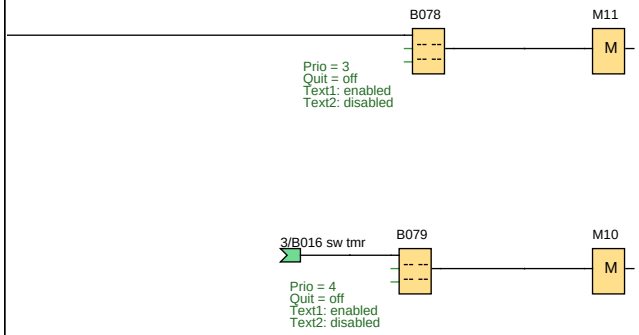
Counting sections

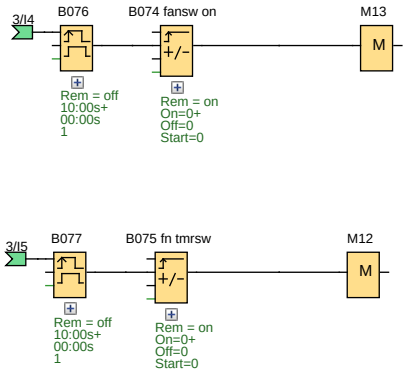
Rig fan "ON" count



Rig fan hours

Message sections

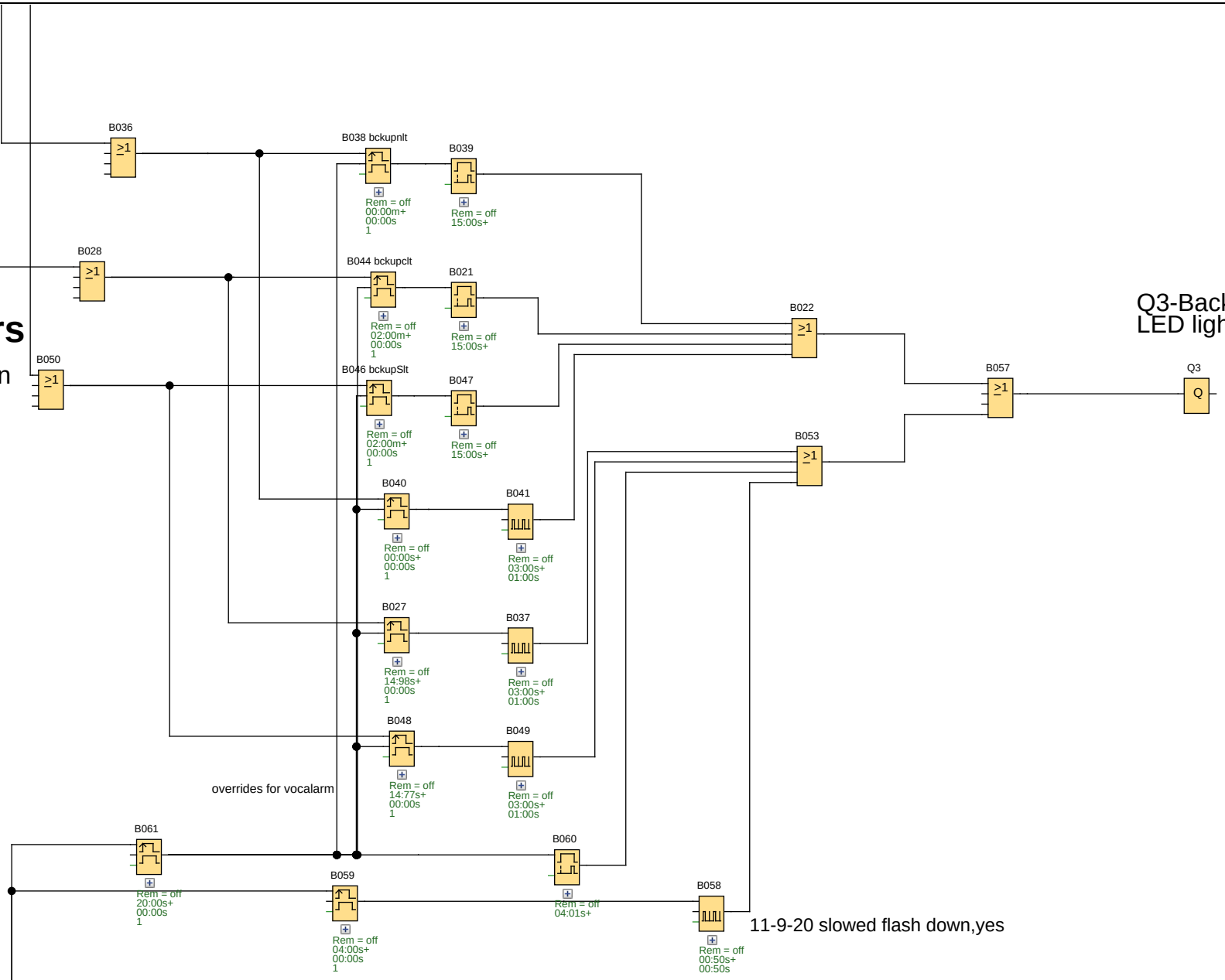




Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 10 doors	Customer:	Denver Fire Department
Checked:	3-24-22		Installation:	Sta 10 doors	Diagram No.:	
Date:	9/12/16 9:56 AM/6/10/22 8:46 AM		File:	Sta 10 drs 3-17-22.lsc	Page:	6 / 21

Station 10 Doors

Back up LED light section



Q3-Backup
LED lights

11-9-20 slowed flash down,yes

PAGE 3

Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 10 doors	Customer:	Denver Fire Department
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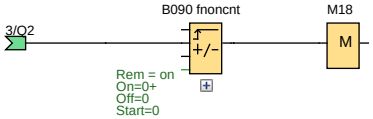
Sta 10

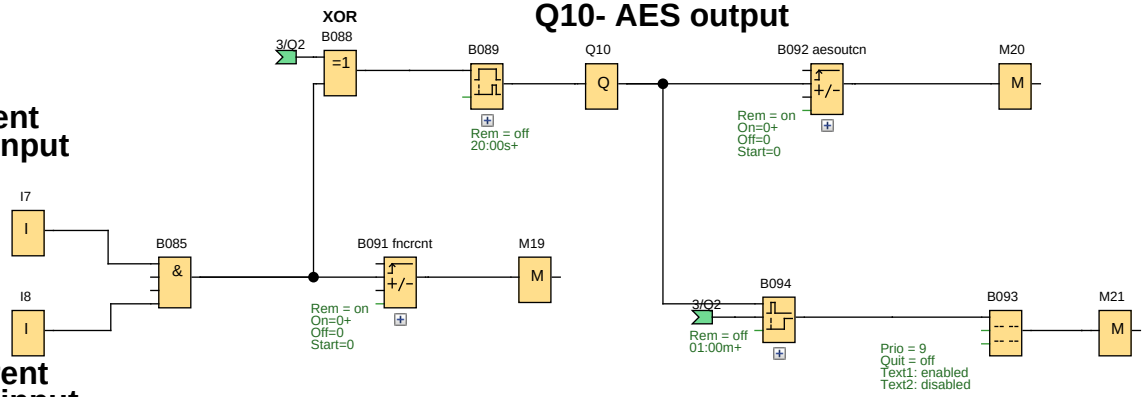
AES/RIG FAN SECTION ,
this tells if "calling for" rig fan
and rig fan current is
being produced at the same time



Q10- AES output

I7- Current sensor input

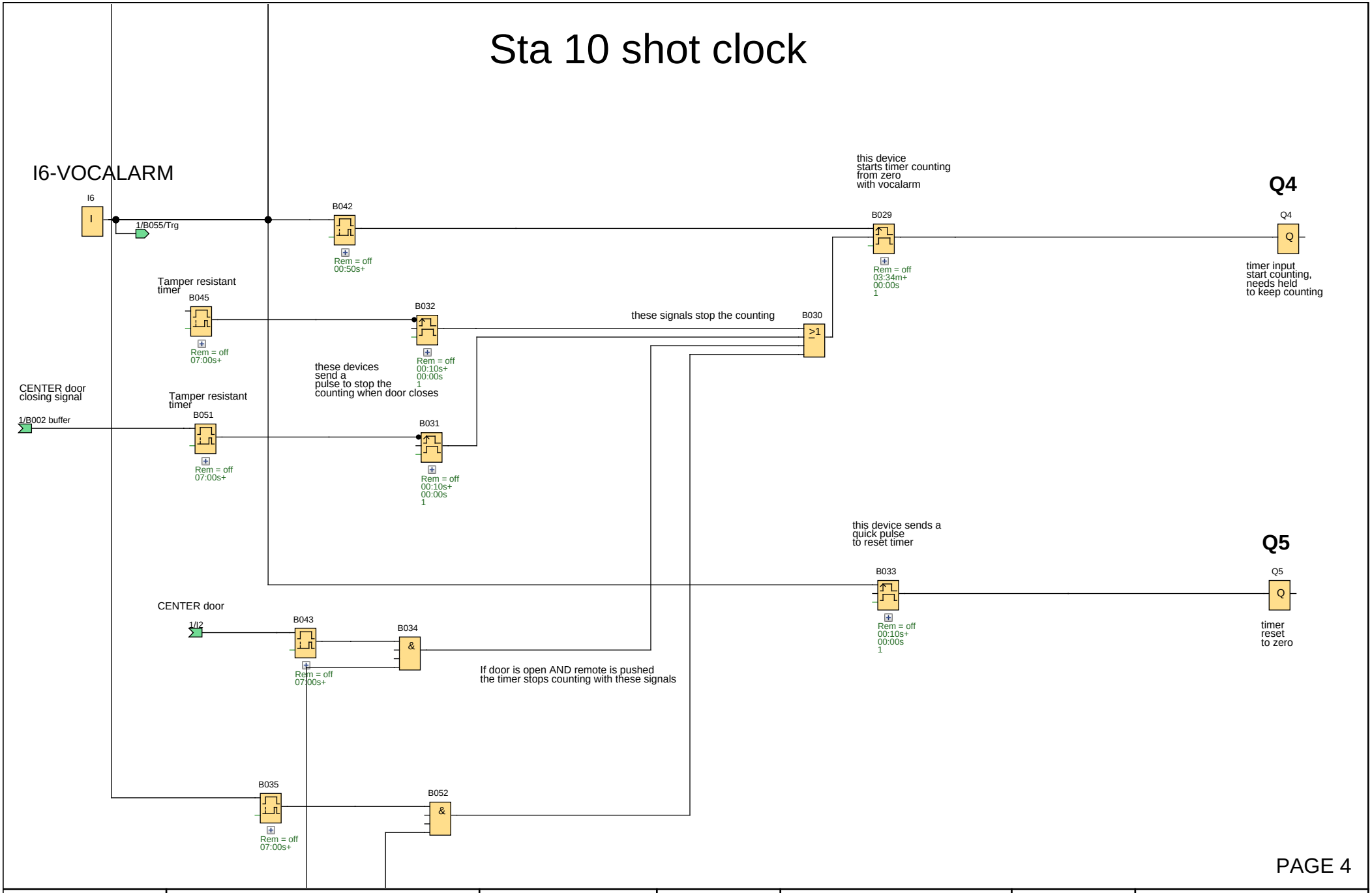
I8- Current sensor input



Why are there two current sensors here??

Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 10 doors	Customer:	Denver Fire Department
Checked:	3-24-22		Installation:	Sta 10 doors	Diagram No.:	
Date:	9/12/16 9:56 AM/6/10/22 8:46 AM		File:	Sta 10 drs 3-17-22.lsc	Page:	8 / 21

Sta 10 shot clock



PAGE 4

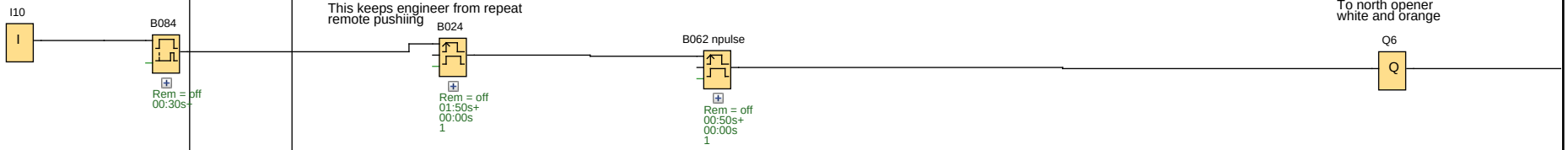
Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 10 doors	Customer:	Denver Fire Department
Checked:	3-24-22		Installation:	Sta 10 doors	Diagram No.:	
Date:	9/12/16 9:56 AM/6/10/22 8:46 AM		File:	Sta 10 drs 3-17-22.lsc	Page:	9 / 21

Sta 10

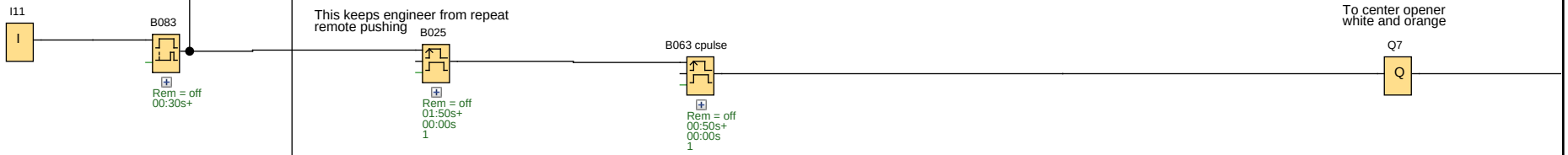
PAGE 9

Sta 10 Door Receiver pulse section, receiver vibration buffers added 10-30-18

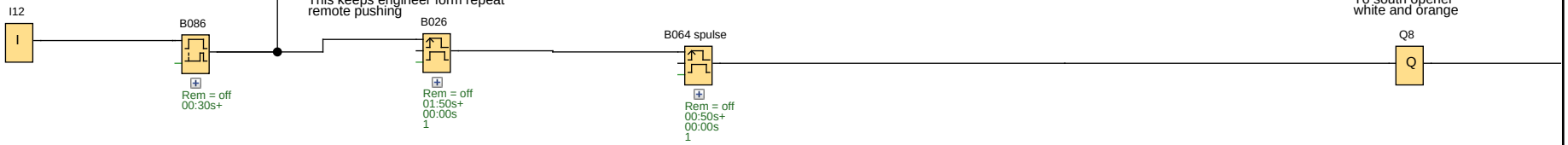
I10-NORTH door, receiver



I11-CENTER door, receiver



I12-SOUTH door, receiver



Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 10 doors	Customer:	Denver Fire Department
Checked:	3-24-22		Installation:	Sta 10 doors	Diagram No.:	
Date:	9/12/16 9:56 AM/6/10/22 8:46 AM		File:	Sta 10 drs 3-17-22.lsc	Page:	11 / 21

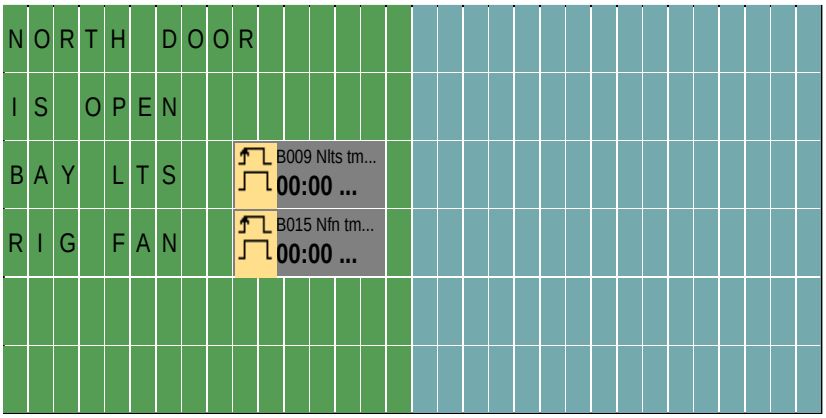
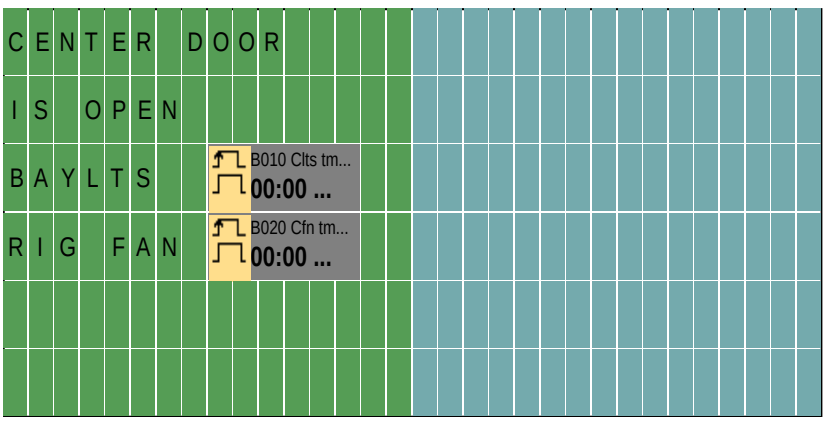
Sta 10

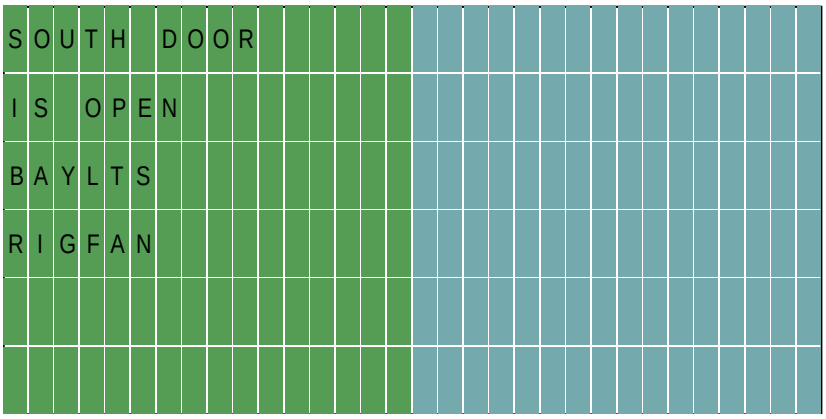
Counting sections

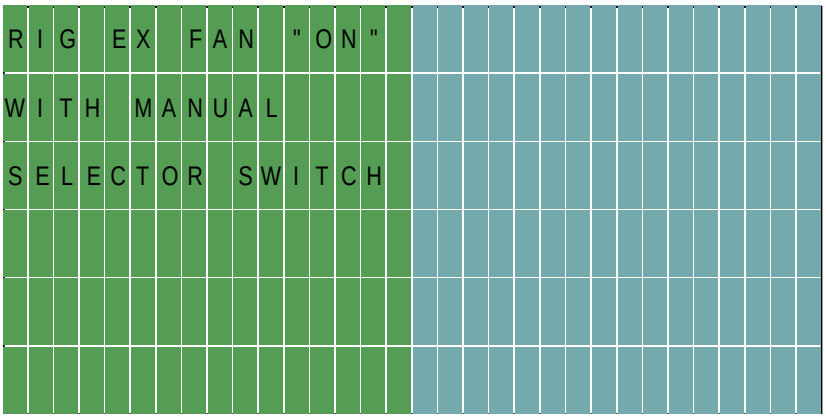
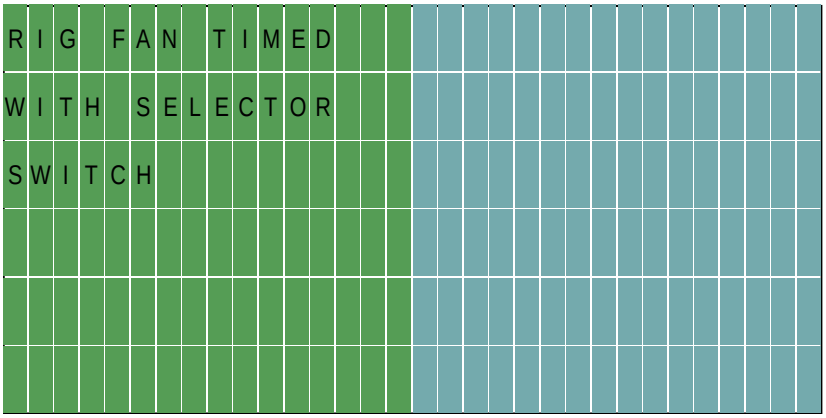
Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 10 doors	Customer:	Denver Fire Department
Checked:	3-24-22		Installation:	Sta 10 doors	Diagram No.:	
Date:	9/12/16 9:56 AM/6/10/22 8:46 AM		File:	Sta 10 drs 3-17-22.lsc	Page:	12 / 21

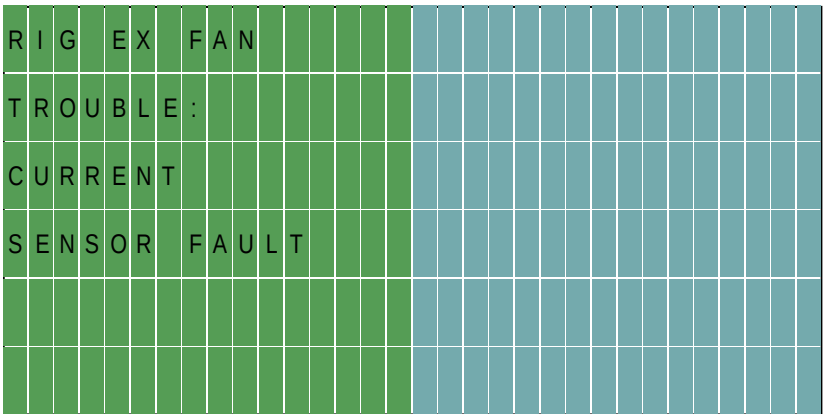
Block Number (Type)	Parameter
B001 buffer(On-delay) :	Rem = off 01:00s+
B002 buffer(On-delay) :	Rem = off 01:00s+
B003 buffer(On-delay) :	Rem = off 01:00s+
B009 Nlts tmr(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B010 Clts tmr(Edge-triggered interval time-delay relay) :	Rem = off 03:00m+ 00:00s 1
B011 Slts tmr(Edge-triggered interval time-delay relay) :	Rem = off 03:00m+ 00:00s 1
B012 lt pulse(Asynchronous pulse generator) :	Rem = off 05:00s+ 01:00s
B015 Nfn tmr(Edge-triggered interval time-delay relay) : NORTH DOOR RIG EXHAUST FAN TIMER	Rem = off 05:00m+ 00:00s 1
B016 sw tmr (Off-delay) :	Rem = off 15:00m+
B017 Sfn tmr(Edge-triggered interval time-delay relay) : SOUTH DOOR RIG EXHAUST FAN TIMER	Rem = off 05:00m+ 00:00s 1
B020 Cfn tmr(Edge-triggered interval time-delay relay) : CENTER DOOR RIG EXHAUST FAN TIMER	Rem = off 05:00m+ 00:00s 1
B021(On-delay) :	Rem = off 15:00s+
B024(Edge-triggered interval time-delay relay) : This keeps engineer from repeat remote pushiing	Rem = off 01:50s+ 00:00s 1
B025(Edge-triggered interval time-delay relay) : This keeps engineer from repeat remote pushing	Rem = off 01:50s+ 00:00s 1
B026(Edge-triggered interval time-delay relay) : This keeps engineer form repeat remote pushing	Rem = off 01:50s+ 00:00s 1
B027(Edge-triggered interval time-delay relay) :	Rem = off 14:98s+ 00:00s 1
B029(Edge-triggered interval time-delay relay) : this device starts timer counting from zero with vocalarm	Rem = off 03:34m+ 00:00s 1
B031(Edge-triggered interval time-delay relay) : these devices send a pulse to stop the counting when door closes	Rem = off 00:10s+ 00:00s 1
B032(Edge-triggered interval time-delay relay) :	Rem = off 00:10s+ 00:00s 1

Block Number (Type)	Parameter
B033(Edge-triggered interval time-delay relay) : this device sends a quick pulse to reset timer	Rem = off 00:10s+ 00:00s 1
B035(On-delay) :	Rem = off 07:00s+
B037(Asynchronous pulse generator) :	Rem = off 03:00s+ 01:00s
B038 bckupnlt(Edge-triggered interval time-delay relay) :	Rem = off 00:00m+ 00:00s 1
B039(On-delay) :	Rem = off 15:00s+
B040(Edge-triggered interval time-delay relay) :	Rem = off 00:00s+ 00:00s 1
B041(Asynchronous pulse generator) :	Rem = off 03:00s+ 01:00s
B042(On-delay) :	Rem = off 00:50s+
B043(On-delay) :	Rem = off 07:00s+
B044 bckupclt(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B045(On-delay) :	Rem = off 07:00s+
B046 bckupSlt(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B047(On-delay) :	Rem = off 15:00s+
B048(Edge-triggered interval time-delay relay) :	Rem = off 14:77s+ 00:00s 1
B049(Asynchronous pulse generator) :	Rem = off 03:00s+ 01:00s
B051(On-delay) :	Rem = off 07:00s+
B054 ndr cnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B055(Edge-triggered interval time-delay relay) :	Rem = off 03:00m+ 00:00s 1
B056 cdr cnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B058(Asynchronous pulse generator) :	Rem = off 00:50s+ 00:50s

Block Number (Type)	Parameter
B059(Edge-triggered interval time-delay relay) :	Rem = off 04:00s+ 00:00s 1
B060(On-delay) :	Rem = off 04:01s+
B061(Edge-triggered interval time-delay relay) :	Rem = off 20:00s+ 00:00s 1
B062 npulse(Edge-triggered interval time-delay relay) :	Rem = off 00:50s+ 00:00s 1
B063 cpulse(Edge-triggered interval time-delay relay) :	Rem = off 00:50s+ 00:00s 1
B064 spulse(Edge-triggered interval time-delay relay) :	Rem = off 00:50s+ 00:00s 1
B065 sdr cnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B066 Ndr msg(Message texts) :  Line3.10 B009 Nlts tmr-THRest Line4.10 B015 Nfn tmr-THRest	Prio = 0 Quit = off Text1: enabled Text2: disabled --> Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both
B067 Cdr msg(Message texts) :  Line3.9 B010 Clts tmr-THRest Line4.9 B020 Cfn tmr-THRest	Prio = 1 Quit = off Text1: enabled Text2: disabled --> Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both

Block Number (Type)	Parameter
B068 Sdr msg(Message texts) :  	--> Prio = 2 Quit = off Text1: enabled Text2: disabled Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both
B069(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B070(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B071(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B072 exfancnt(Up/Down counter) : Rig fan "ON" count	Rem = on On=0+ Off=0 Start=0
B073 exfanhrs(Operating hours counter) : Rig fan hours	MI= 0h 0m+ OT= 0h 0m Q->0=R+En
B074 fansw on(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B075 fn tmrsw(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B076(Edge-triggered interval time-delay relay) :	Rem = off 10:00s+ 00:00s 1
B077(Edge-triggered interval time-delay relay) :	Rem = off 10:00s+ 00:00s 1

Block Number (Type)	Parameter
B078(Message texts) :  	Prio = 3 Quit = off Text1: enabled Text2: disabled --> Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both
B079(Message texts) :  	Prio = 4 Quit = off Text1: enabled Text2: disabled --> Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both
B080 nopencnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B081 copencnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B082 sopencnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B083(On-delay) :	Rem = off 00:30s+
B084(On-delay) :	Rem = off 00:30s+
B086(On-delay) :	Rem = off 00:30s+
B087(Astronomical clock) :	Lot: W104°56'59"+ Lat: N39°45'45" TZ: -7 Sunrise offset: 20 Sunset offset: -20
B089(On-delay) :	Rem = off 20:00s+

Block Number (Type)	Parameter
B090 fnoncnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B091 fncrcnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B092 aesoutcn(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B093(Message texts) :  	Prio = 9 Quit = off Text1: enabled Text2: disabled --> Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both
B094(Retentive on-delay) :	Rem = off 01:00m+
I1(Input) : I1-NORTH DOOR	
I2(Input) : I2-CENTER DOOR	
I3(Input) : I3-SOUTH DOOR	
I4(Input) : I4-Ex fan selector sw "on"	
I5(Input) : I5-Ex fan selector sw timed	
I6(Input) : I6-VOCALARM	
I7(Input) : I7- Current sensor input	
I8(Input) : I8- Current sensor input	
I10(Input) : I10-NORTH door, receiver	
I11(Input) : I11-CENTER door, receiver	
I12(Input) : I12-SOUTH door, receiver	

Block Number (Type)	Parameter
Q1(Output) : Q1-APP BAY LIGHTS	
Q2(Output) : Q2-Rig ex fan	
Q3(Output) : Q3-Backup LED lights	
Q4(Output) : timer input start counting, needs held to keep counting	
Q5(Output) : timer reset to zero	
Q6(Output) : To north opener white and orange	
Q7(Output) : To center opener white and orange	
Q8(Output) : To south opener white and orange	
Q10(Output) : Q10- AES output	

Connection	Label
I1	
I2	
I3	
I4	
I5	
I6	
I7	
I8	
I10	
I11	
I12	
M1	
M2	
M3	
M4	
M5	
M6	
M7	
M9	
M10	
M11	
M12	
M13	
M15	
M16	
M17	
M18	
M19	
M20	

Connection	Label
M21	
Q1	
Q2	
Q3	
Q4	
Q5	
Q6	
Q7	
Q8	
Q9	
Q10	