Comment

JBL, this is the first program I have used with the new SMART relay FL1F. I started from scratch. This is the 1st program to use an astronomical clock.
org 12-20-17,,,, 8-8-18 revised w cntrs, msgs , etc, cosmo only
10-25-21 slowed flash on bckup lt yes, added MOV yes
12-7-21 reprgrm, redwnld, lost all counts
12-14-21 adjusted time on traffic, traffic says time n red light is limited to 75 seconds on their side.
3-11-22 new city IP address, FS-04 type verified, countersw read Wdr cnt 1439, Cdr cnt 2268, Edr cnt 111, exfancnt 3461, exfanhrs 104h 51m, fansw on 510, fn tmrsw 0, jingpbcnt 1087, mstrtcntpb 14, tronlycnt 213, m stoppb 24, redwnld, reset all to zero

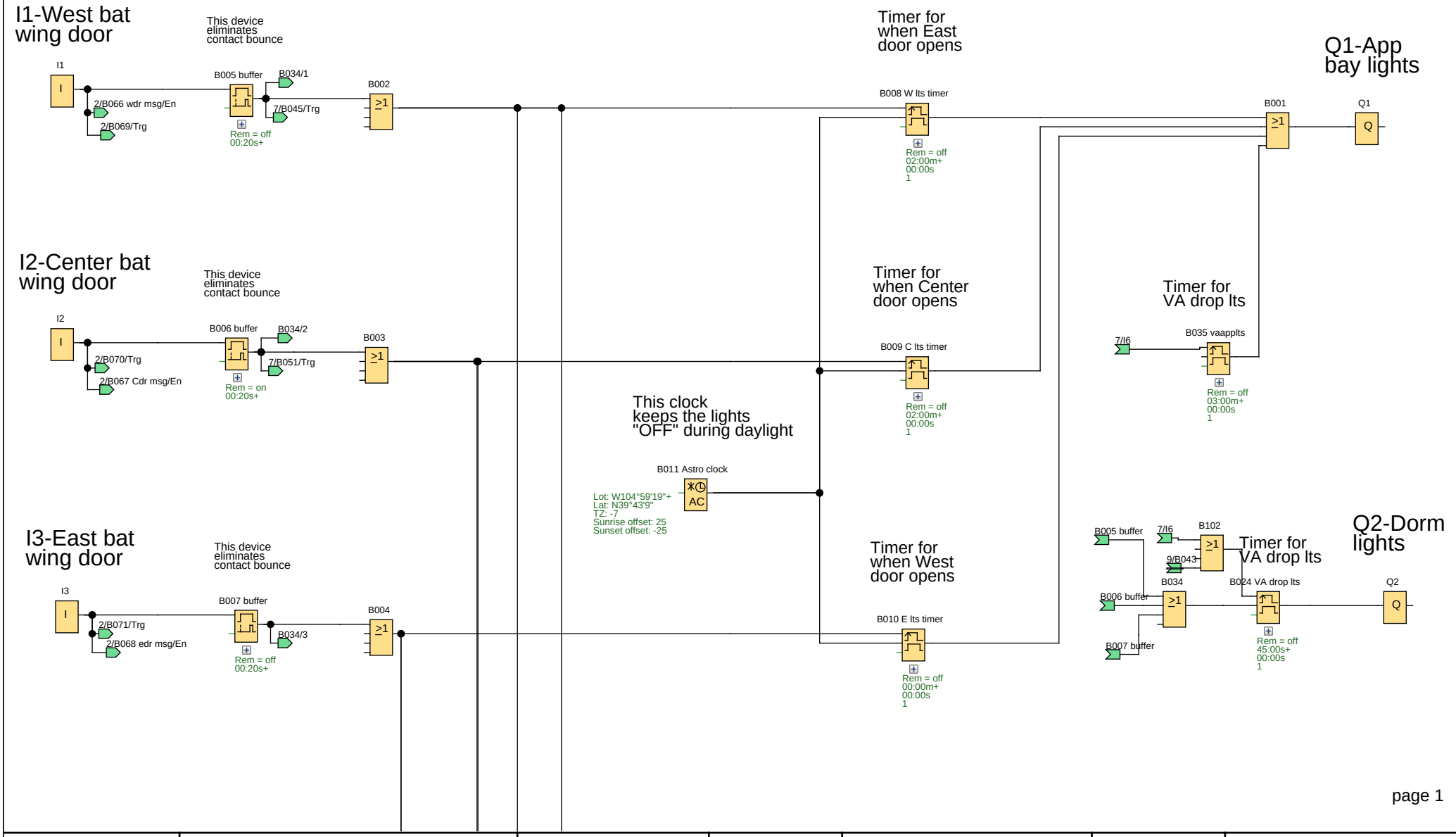
Module Address

IP Address	10.126.163.149
Subnet Mask:	255.255.255.240
Default gateway	10.126.163.145

Station 11 DOORS 3-11-22 using new FL1F, program version 8.0 FS-04 verified

Door limits, App bay lts section

City IP address
10.126.163.149
255.255.255.240
10.126.163.145

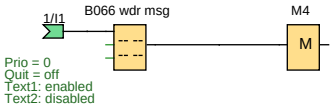


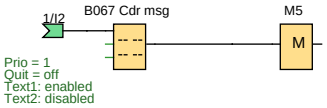
page 1

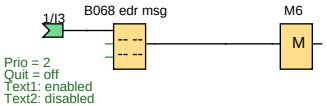
Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 11 DOORS	Customer:	Denver Fire Department
Checked:	3-11-22		Installation:	Sta 11 doors	Diagram No.:	3
Date:	11/22/17 11:03 AM/6/10/22 8:47 AM		File:	Sta 11 drsVAMS 3-11-22.lsc	Page:	3 / 21

Sta 11

MESSAGE SECTION

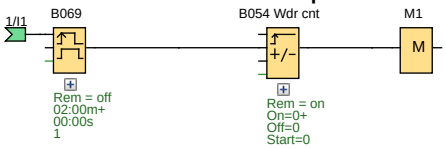




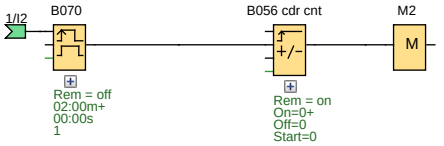


Counting sections

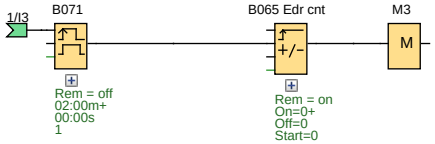
West door open counter



Center door open counter



East door open counter



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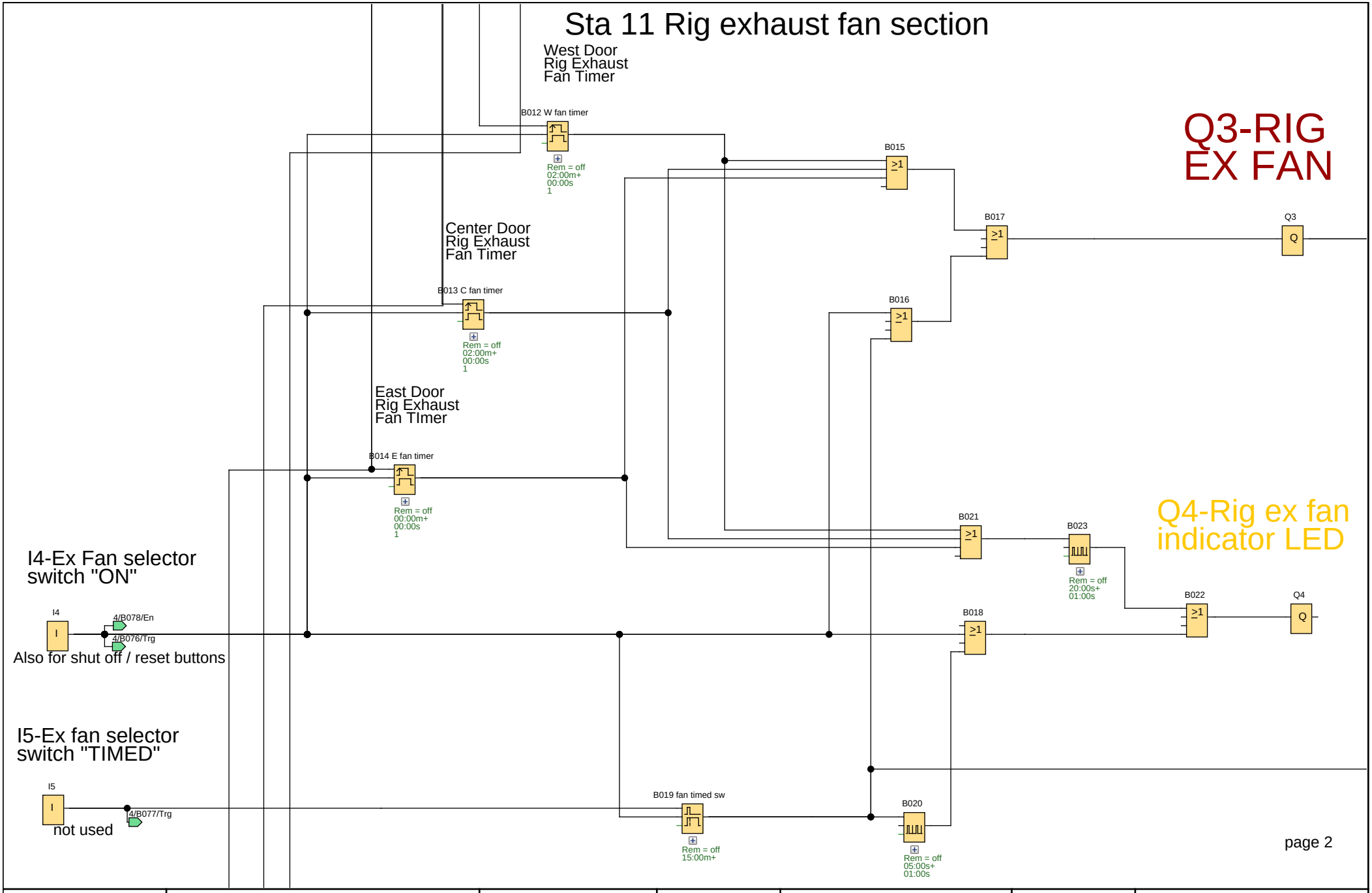
Date:	11/22/17 11:03 AM/6/10/22 8:47 AM		File:	Sta 11 drsVAMS 3-11-22.lsc	Page:	4 / 21

Sta 11 Rig exhaust fan section



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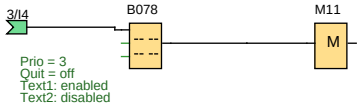
Sta 11

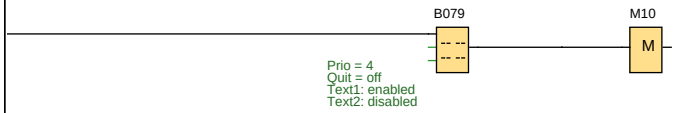
Counting sections

Rig fan "ON" count

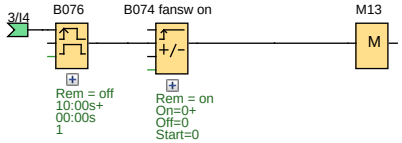
Rig fan hours

Message sections

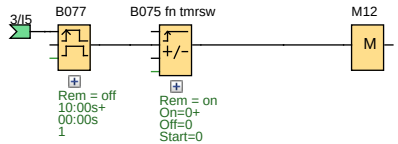




Fan switch ON counter



Fan Timed switch counter



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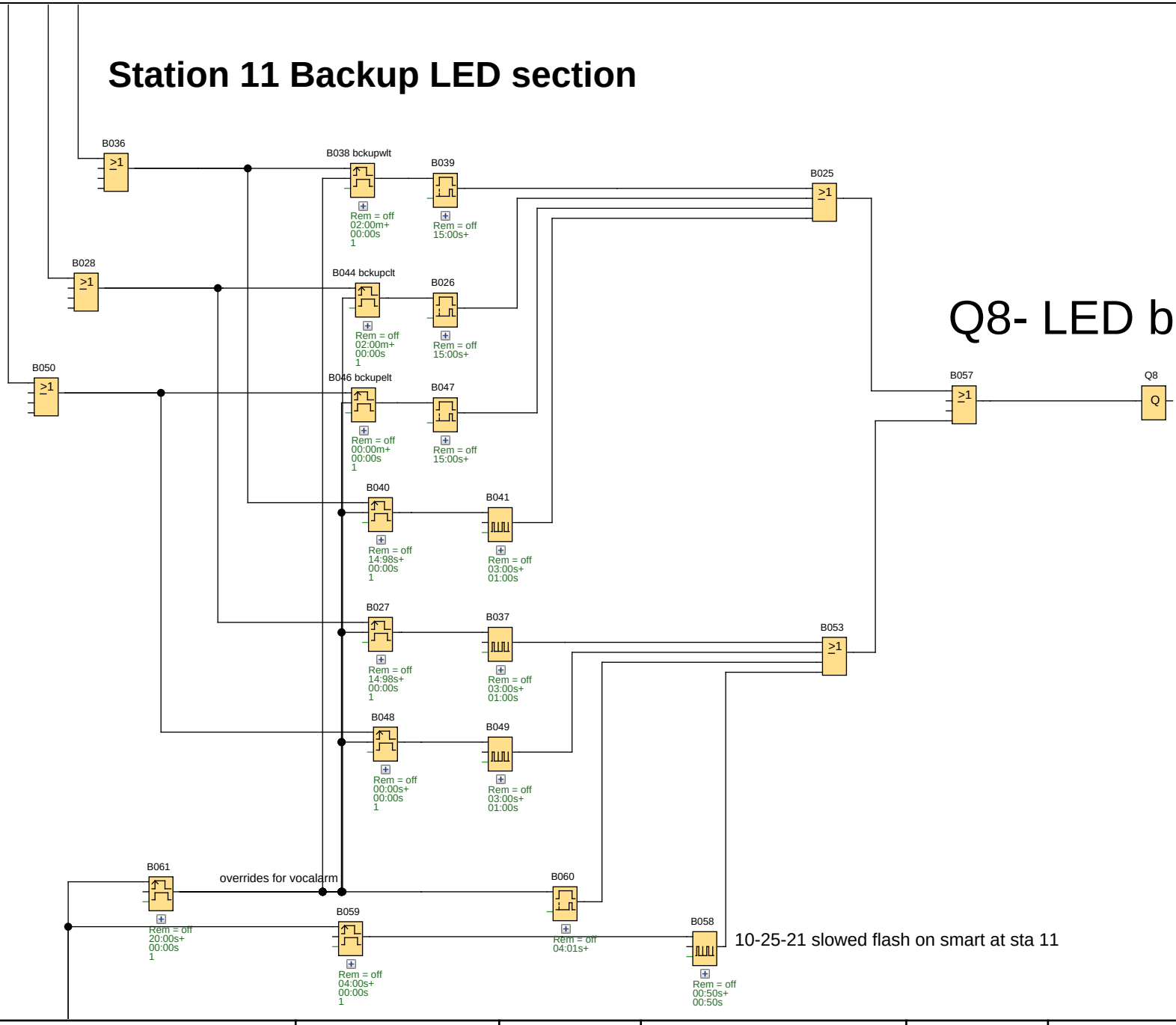
Station 11 Backup LED section



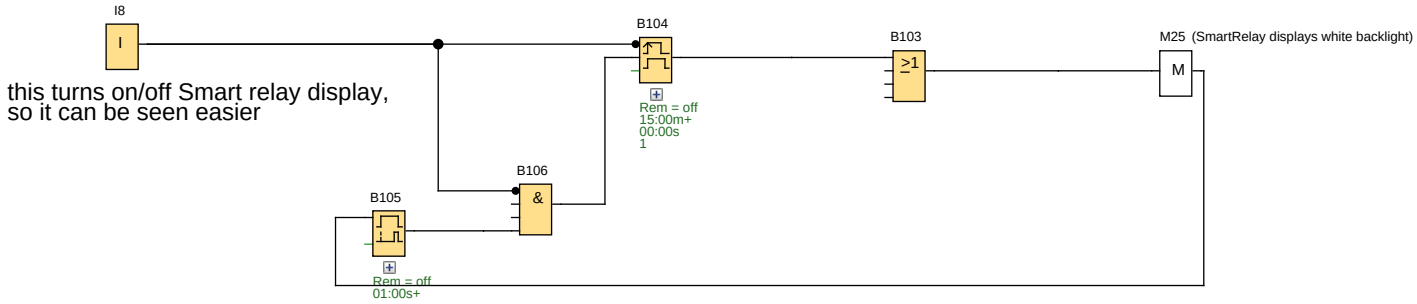
Q8- LED backup

10-25-21 slowed flash on smart at sta 11

Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 11 DOORS	Customer:	Denver Fire Department
Checked:	3-11-22		Installation:	Sta 11 doors	Diagram No.:	3
Date:	11/22/17 11:03 AM/6/10/22 8:47 AM		File:	Sta 11 drsVAMS 3-11-22.lsc	Page:	7 / 21

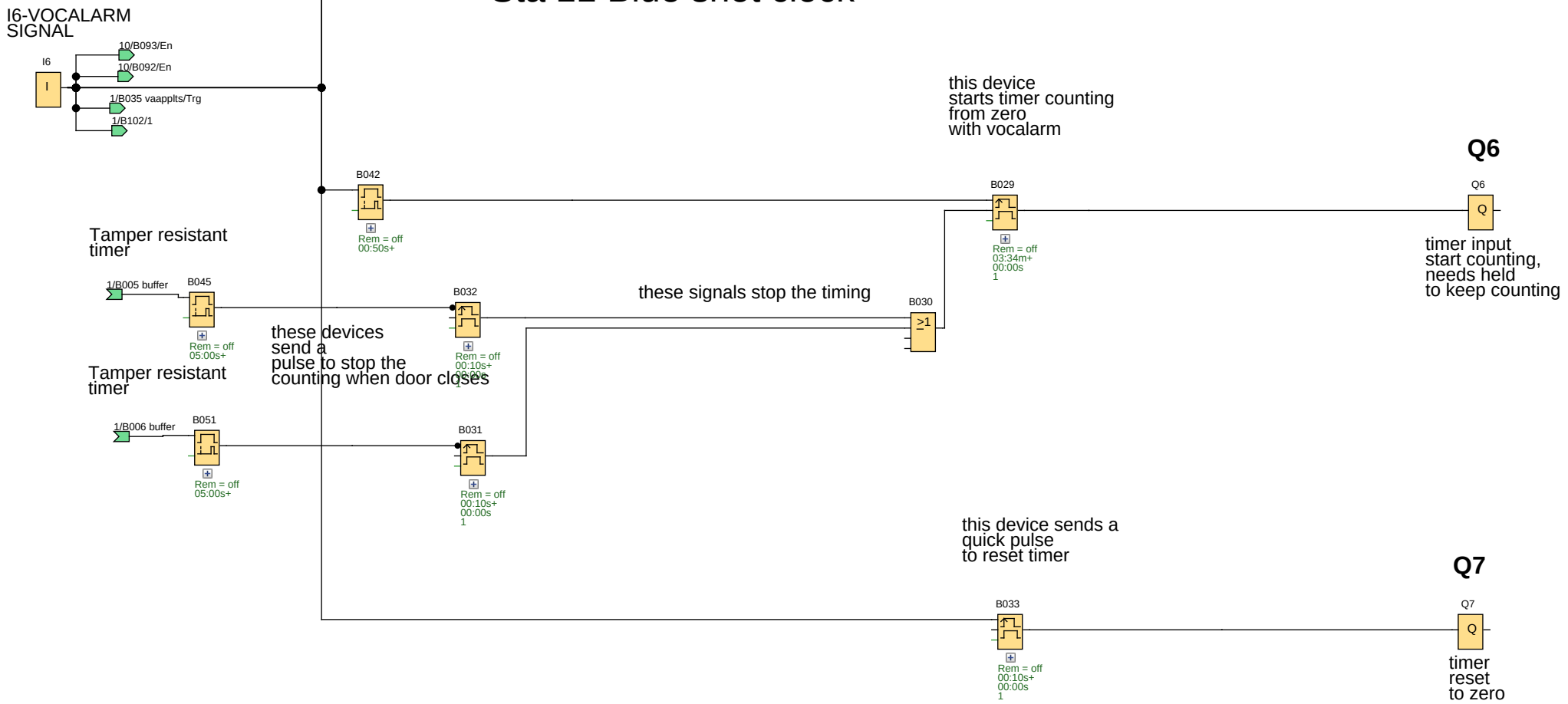
Sta 11

Pushbutton inside
control cabinet, norm closed type



Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 11 DOORS	Customer:	Denver Fire Department
Checked:	3-11-22		Installation:	Sta 11 doors	Diagram No.:	3
Date:	11/22/17 11:03 AM/6/10/22 8:47 AM		File:	Sta 11 drsVAMS 3-11-22.lsc	Page:	8 / 21

Sta 11 Blue shot clock



Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 11 DOORS	Customer:	Denver Fire Department
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Sta 11

I12-mach stop remote

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Sta 11 VAMS section

I7-Machine pushbutton starts

Q9-Drop lts

I9-Traffic only push buttons

Q10-Traffic

traffic delays to allow signal to be better timed out.....

12-3-21 traffic street box timing seems to be set time and cannot be overridden by firestation timing.....

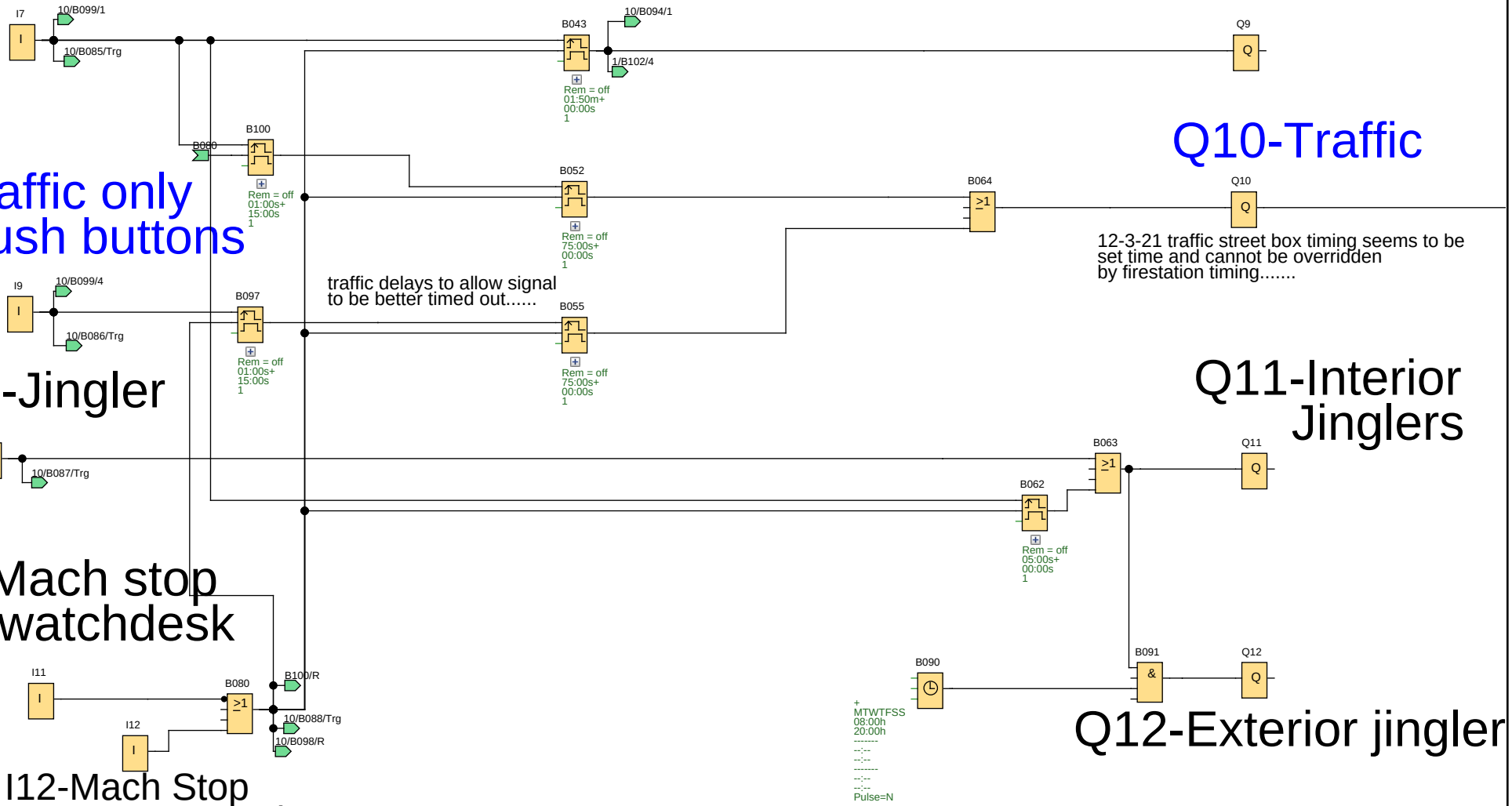
I10-Jingler

Q11-Interior Jinglers

I11-Mach stop at watchdesk

I12-Mach Stop remote on column

Q12-Exterior jingler



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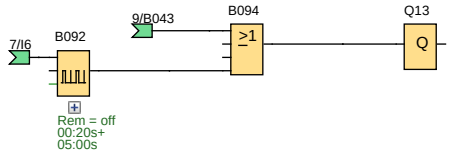
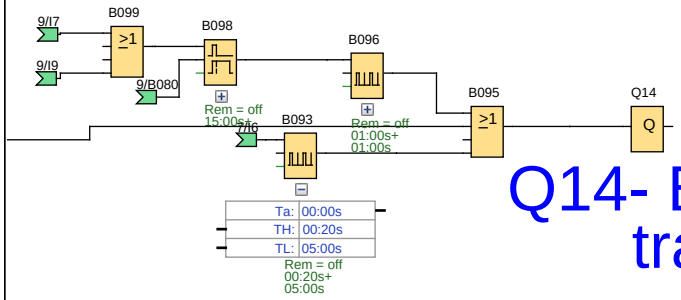
Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 11 DOORS	Customer:	Denver Fire Department
Checked:	3-11-22		Installation:	Sta 11 doors	Diagram No.:	3
Date:	11/22/17 11:03 AM/6/10/22 8:47 AM		File:	Sta 11 drsVAMS 3-11-22.lsc	Page:	11 / 21

Sta 11

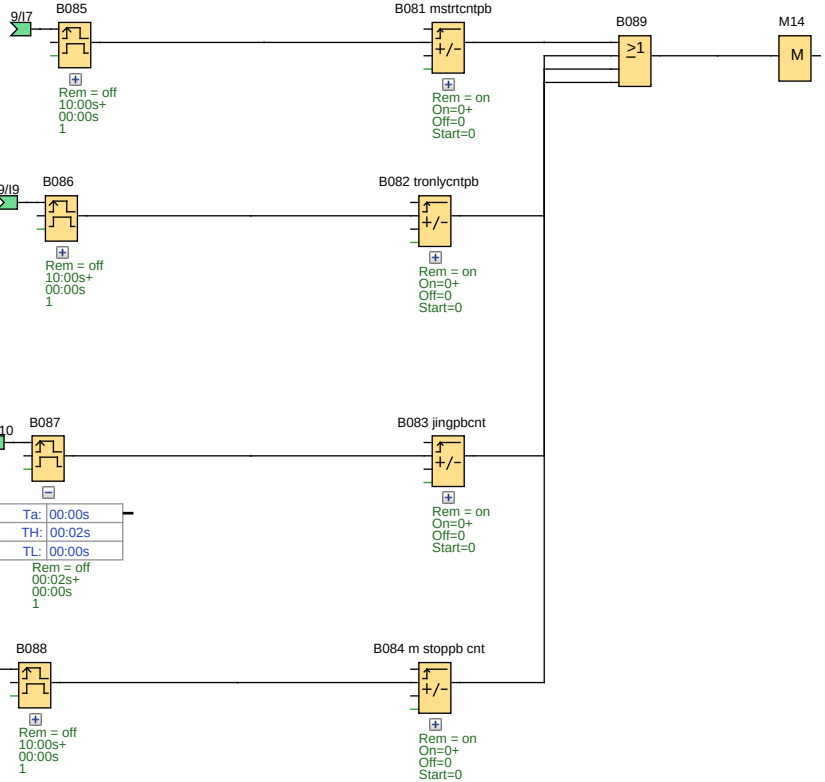
Q13- Red LEDs in Mach start pushbuttons





Q14- Blue LEDs in traffic only buttons

Counting sections



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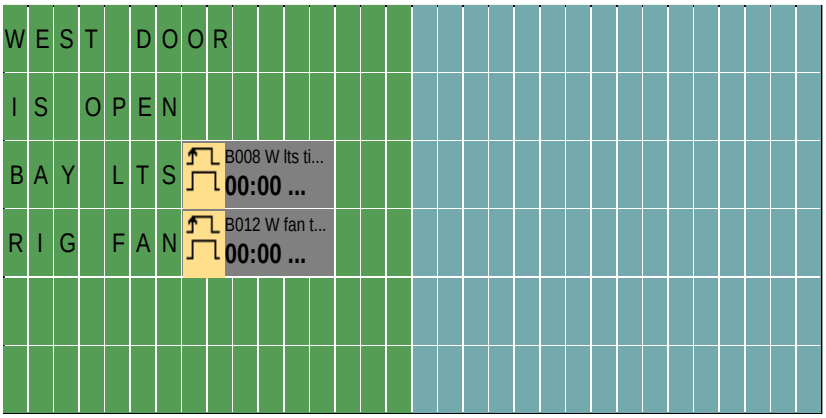
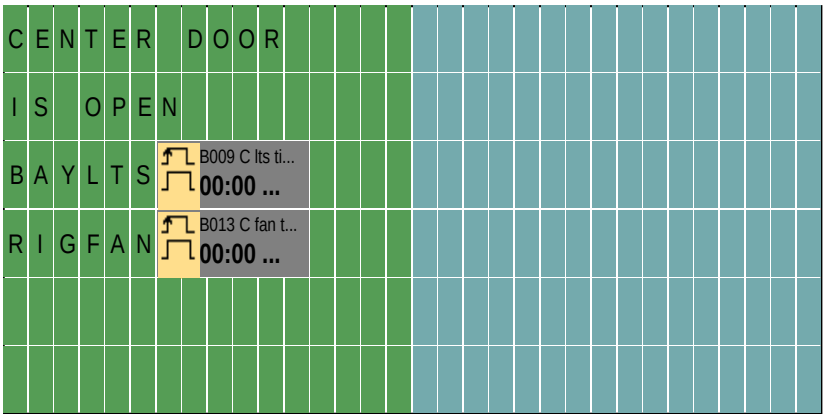
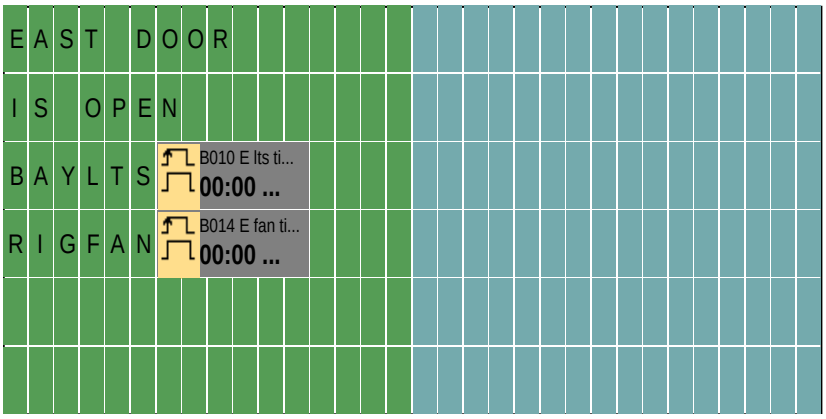
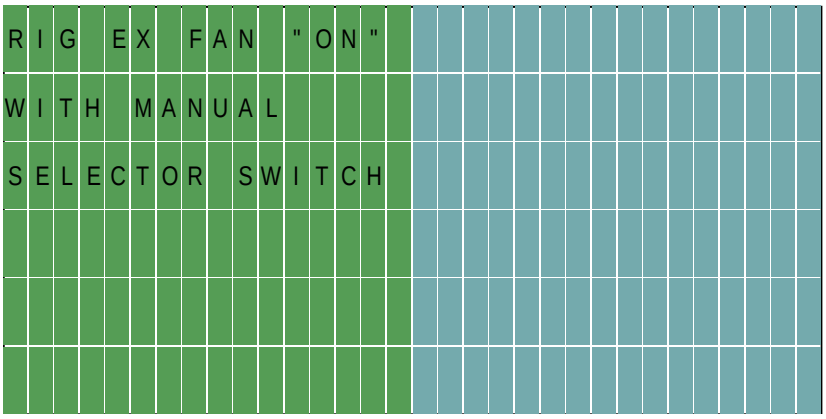
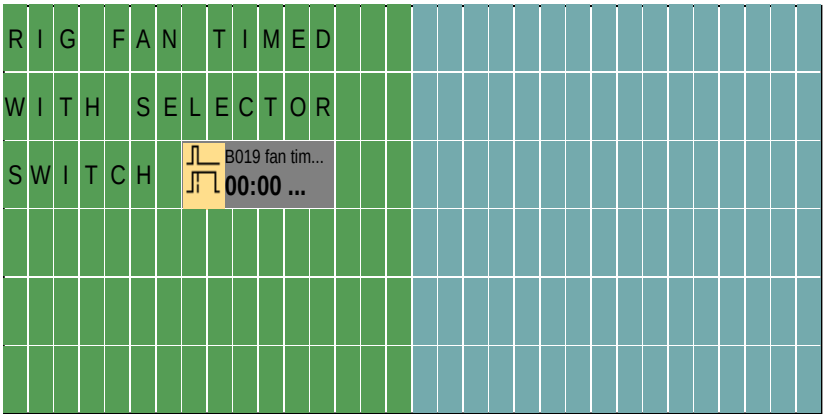
Block Number (Type)	Parameter
B005 buffer(On-delay) : This device eliminates contact bounce	Rem = off 00:20s+
B006 buffer(On-delay) : This device eliminates contact bounce	Rem = on 00:20s+
B007 buffer(On-delay) : This device eliminates contact bounce	Rem = off 00:20s+
B008 W lts timer(Edge-triggered interval time-delay relay) : Timer for when East door opens	Rem = off 02:00m+ 00:00s 1
B009 C lts timer(Edge-triggered interval time-delay relay) : Timer for when Center door opens	Rem = off 02:00m+ 00:00s 1
B010 E lts timer(Edge-triggered interval time-delay relay) : Timer for when West door opens	Rem = off 00:00m+ 00:00s 1
B011 Astro clock(Astronomical clock) : This clock keeps the lights "OFF" during daylight	Lot: W104°59'19"+ Lat: N39°43'9" TZ: -7 Sunrise offset: 25 Sunset offset: -25
B012 W fan timer(Edge-triggered interval time-delay relay) : West Door Rig Exhaust Fan Timer	Rem = off 02:00m+ 00:00s 1
B013 C fan timer(Edge-triggered interval time-delay relay) : Center Door Rig Exhaust Fan Timer	Rem = off 02:00m+ 00:00s 1
B014 E fan timer(Edge-triggered interval time-delay relay) : East Door Rig Exhaust Fan TImer	Rem = off 00:00m+ 00:00s 1
B019 fan timed sw(Off-delay) :	Rem = off 15:00m+
B020(Asynchronous pulse generator) :	Rem = off 05:00s+ 01:00s
B023(Asynchronous pulse generator) :	Rem = off 20:00s+ 01:00s
B024 VA drop lts(Edge-triggered interval time-delay relay) : Timer for VA drop lts	Rem = off 45:00s+ 00:00s 1
B026(On-delay) :	Rem = off 15:00s+
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

Block Number (Type)	Parameter
B032(Edge-triggered interval time-delay relay) :	Rem = off 00:10s+ 00:00s 1
B033(Edge-triggered interval time-delay relay) : this device sends a quick pulse to reset timer	Rem = off 00:10s+ 00:00s 1
B035 vaapplts(Edge-triggered interval time-delay relay) : Timer for VA drop lts	Rem = off 03:00m+ 00:00s 1
B037(Asynchronous pulse generator) :	Rem = off 03:00s+ 01:00s
B038 bckupwlt(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B039(On-delay) :	Rem = off 15:00s+
B040(Edge-triggered interval time-delay relay) :	Rem = off 14:98s+ 00:00s 1
B041(Asynchronous pulse generator) :	Rem = off 03:00s+ 01:00s
B042(On-delay) :	Rem = off 00:50s+
B043(Edge-triggered interval time-delay relay) :	Rem = off 01:50m+ 00:00s 1
B044 bckupclt(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B045(On-delay) :	Rem = off 05:00s+
B046 bckupelt(Edge-triggered interval time-delay relay) :	Rem = off 00:00m+ 00:00s 1
B047(On-delay) :	Rem = off 15:00s+
B048(Edge-triggered interval time-delay relay) :	Rem = off 00:00s+ 00:00s 1
B049(Asynchronous pulse generator) :	Rem = off 03:00s+ 01:00s
B051(On-delay) :	Rem = off 05:00s+
B052(Edge-triggered interval time-delay relay) :	Rem = off 75:00s+ 00:00s 1
B054 Wdr cnt(Up/Down counter) : West door open counter	Rem = on On=0+ Off=0 Start=0
B055(Edge-triggered interval time-delay relay) :	Rem = off 75:00s+ 00:00s 1

Block Number (Type)	Parameter
B056 cdr cnt(Up/Down counter) : Center door open counter	Rem = on On=0+ Off=0 Start=0
B058(Asynchronous pulse generator) :	Rem = off 00:50s+ 00:50s
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(Edge-triggered interval time-delay relay) :	Rem = off 05:00s+ 00:00s 1
B065 Edr cnt(Up/Down counter) : East door open counter	Rem = on On=0+ Off=0 Start=0
B066 wdr msg(Message texts) :  Line3.8 B008 W lts timer-THRest Line4.8 B012 W fan timer-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) :  Line3.7 B009 C lts timer-THRest Line4.7 B013 C fan timer-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 edr msg(Message texts) :  Line3.7 B010 E lts timer-THRest Line4.7 B014 E fan timer-THRest	--> 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) :  Line3.8 B019 fan timed sw-TRest	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
B081 mstrtcntpb(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B082 tronlycntpb(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B083 jingpbcnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B084 m stoppb cnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B085(Edge-triggered interval time-delay relay) :	Rem = off 10:00s+ 00:00s 1
B086(Edge-triggered interval time-delay relay) :	Rem = off 10:00s+ 00:00s 1
B087(Edge-triggered interval time-delay relay) :	Rem = off 00:02s+ 00:00s 1

Block Number (Type)	Parameter
B088(Edge-triggered interval time-delay relay) :	Rem = off 10:00s+ 00:00s 1
B090(Seven-day time switch) :	+ MTWTFSS 08:00h 20:00h ------- --:-- --:-- ------- --:-- --:-- Pulse=N
B092(Asynchronous pulse generator) :	Rem = off 00:20s+ 05:00s
B093(Asynchronous pulse generator) :	Rem = off 00:20s+ 05:00s
B096(Asynchronous pulse generator) :	Rem = off 01:00s+ 01:00s
B097(Edge-triggered interval time-delay relay) :	Rem = off 01:00s+ 15:00s 1
B098(Off-delay) :	Rem = off 15:00s+
B100(Edge-triggered interval time-delay relay) :	Rem = off 01:00s+ 15:00s 1
B104(Edge-triggered interval time-delay relay) :	Rem = off 15:00m+ 00:00s 1
B105(On-delay) :	Rem = off 01:00s+
I1(Input) : I1-West bat wing door	
I2(Input) : I2-Center bat wing door	
I3(Input) : I3-East bat wing door	
I4(Input) : I4-Ex Fan selector switch "ON"	
I5(Input) : I5-Ex fan selector switch "TIMED"	
I6(Input) : I6-VOCALARM SIGNAL	
I7(Input) : I7-Machine pushbutton starts	
I8(Input) : I12-mach stop remote	
I9(Input) : I9-Traffic only push buttons	
I10(Input) : I10-Jingler	

Block Number (Type)	Parameter
I11(Input) : I11-Mach stop at watchdesk	
I12(Input) : I12-Mach Stop remote on column	
Q1(Output) : Q1-App bay lights	
Q2(Output) : Q2-Dorm lights	
Q3(Output) : Q3-RIG EX FAN	
Q4(Output) : Q4-Rig ex fan indicator LED	
Q6(Output) : timer input start counting, needs held to keep counting	
Q7(Output) : timer reset to zero	
Q8(Output) : Q8- LED backup	
Q9(Output) : Q9-Drop lts	
Q10(Output) : Q10-Traffic	
Q11(Output) : Q11-Interior Jinglers	
Q12(Output) : Q12-Exterior jingler	
Q13(Output) : Q13- Red LEDs in Mach start pushbuttons	
Q14(Output) : Q14- Blue LEDs in traffic only buttons	

Connection	Label
I1	
I2	
I3	
I4	
I5	
I6	
I7	
I8	
I9	
I10	
I11	
I12	
M1	
M2	
M3	
M4	
M5	
M6	
M7	
M9	
M10	
M11	
M12	
M13	
M14	
M25	SmartRelay displays white backlight
Q1	
Q2	
Q3	

Connection	Label
Q4	
Q6	
Q7	
Q8	
Q9	
Q10	
Q11	
Q12	
Q13	
Q14	