Comment

org 5-12-16 rev 8-16-18 w cosmo
12-24-20 slowed down bckup flash and added MOV yes done
8-2-22 installed a new type FS-01 relay verified, MOV already is present verified, bckup lts solwed down verified, online tests all good, counters were not installed yet and now are for the first time, all counts start at zero,

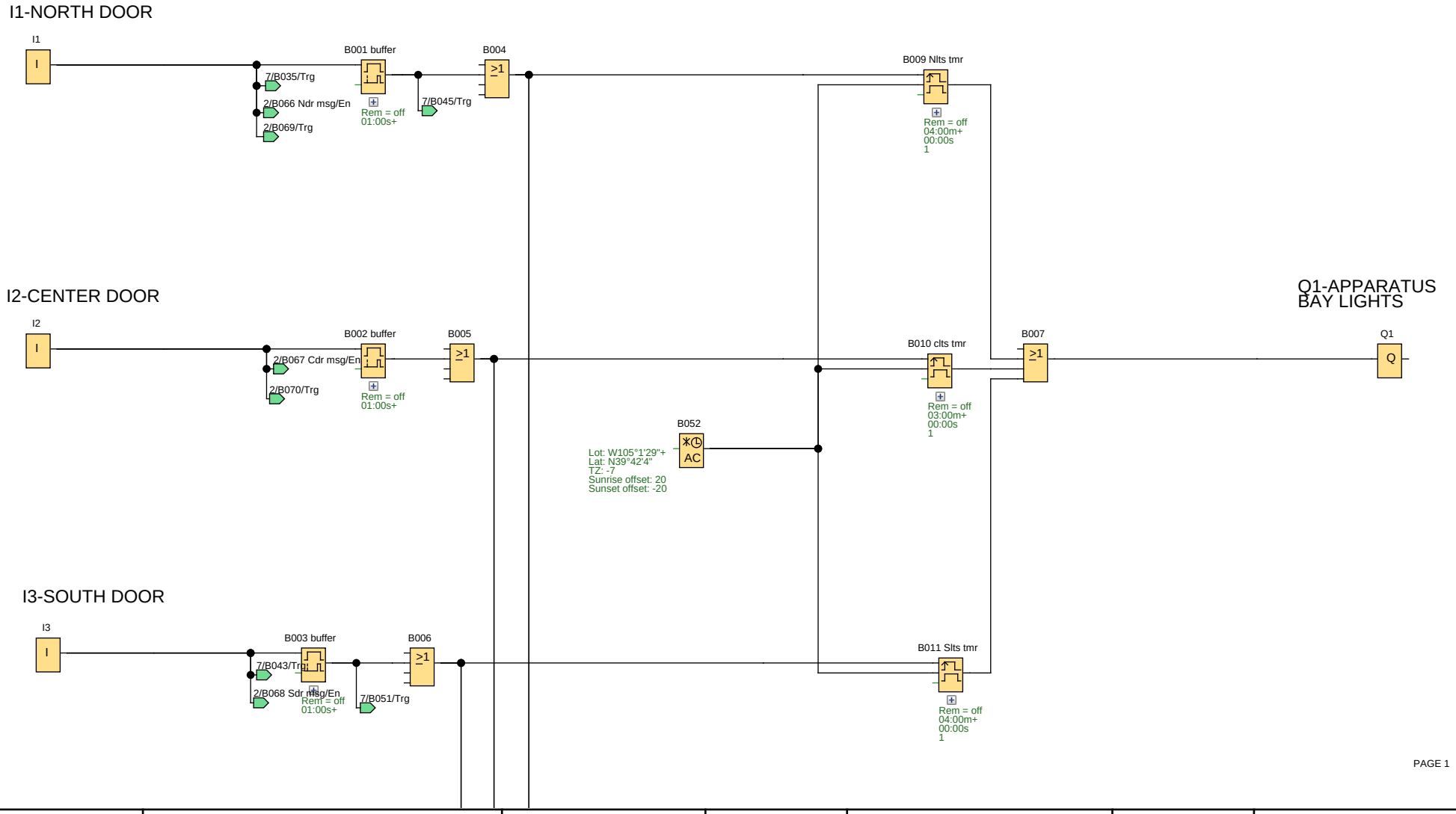
Module Address

IP Address	10.126.165.5
Subnet Mask:	255.255.255.240
Default gateway	10.126.165.1

Station 23 Doors 8-2-22 type FS-01 verified

City IP address
10.126.165.5
255.255.255.240
10.126.165.1

Door section, app. bay lts

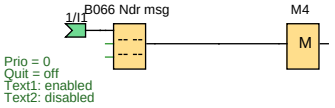


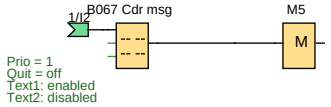
PAGE 1

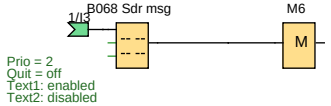
Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 23 doors	Customer:	Denver Fire Department
Checked:	8-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/9/15/22 9:26 AM		File:	Sta 23 drs 8-2-22.lsc	Page:	3 / 20

Sta 23

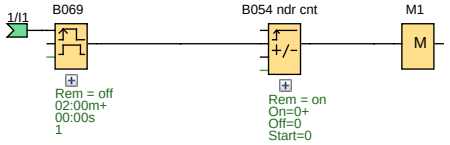
MESSAGE SECTION

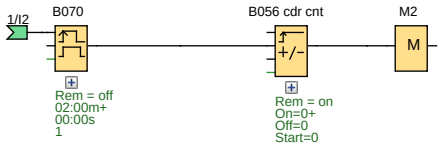


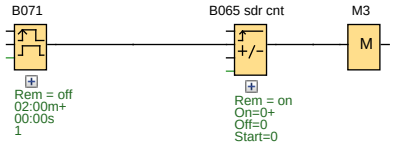




Counting sections







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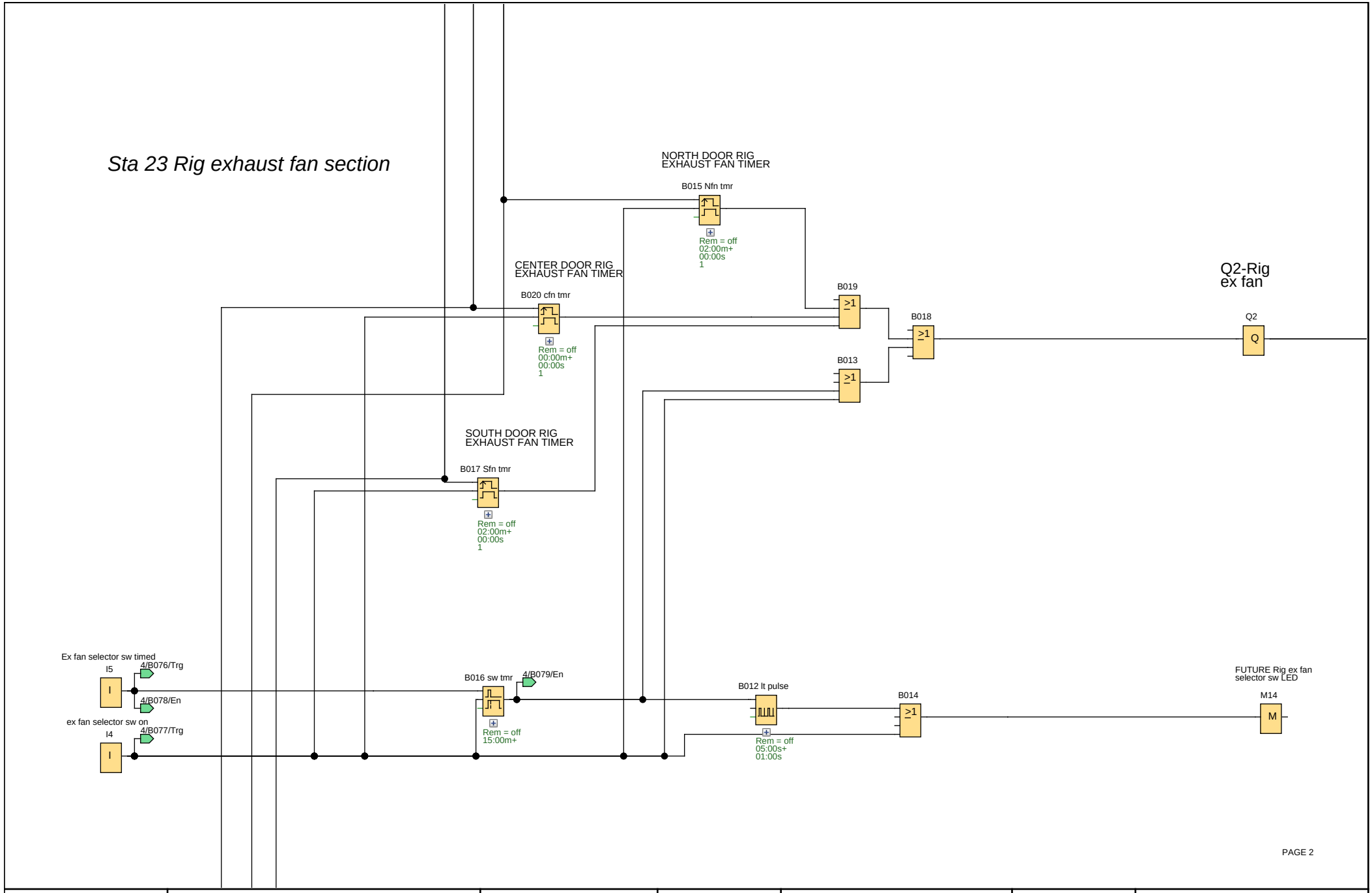
Date:	3/2/16 7:04 AM/9/15/22 9:26 AM		File:	Sta 23 drs 8-2-22.lsc	Page:	4 / 20



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Checked:	8-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/9/15/22 9:26 AM		File:	Sta 23 drs 8-2-22.lsc	Page:	5 / 20

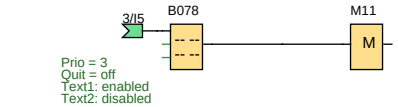
Sta 23

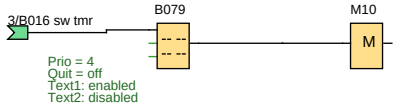
Counting sections

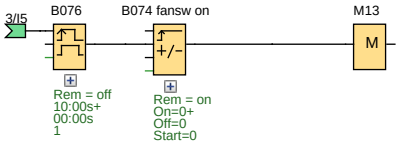
Rig fan "ON" count

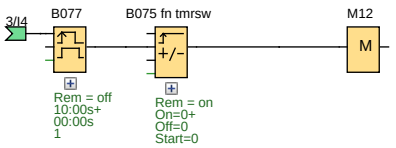
Rig fan hours

Message sections









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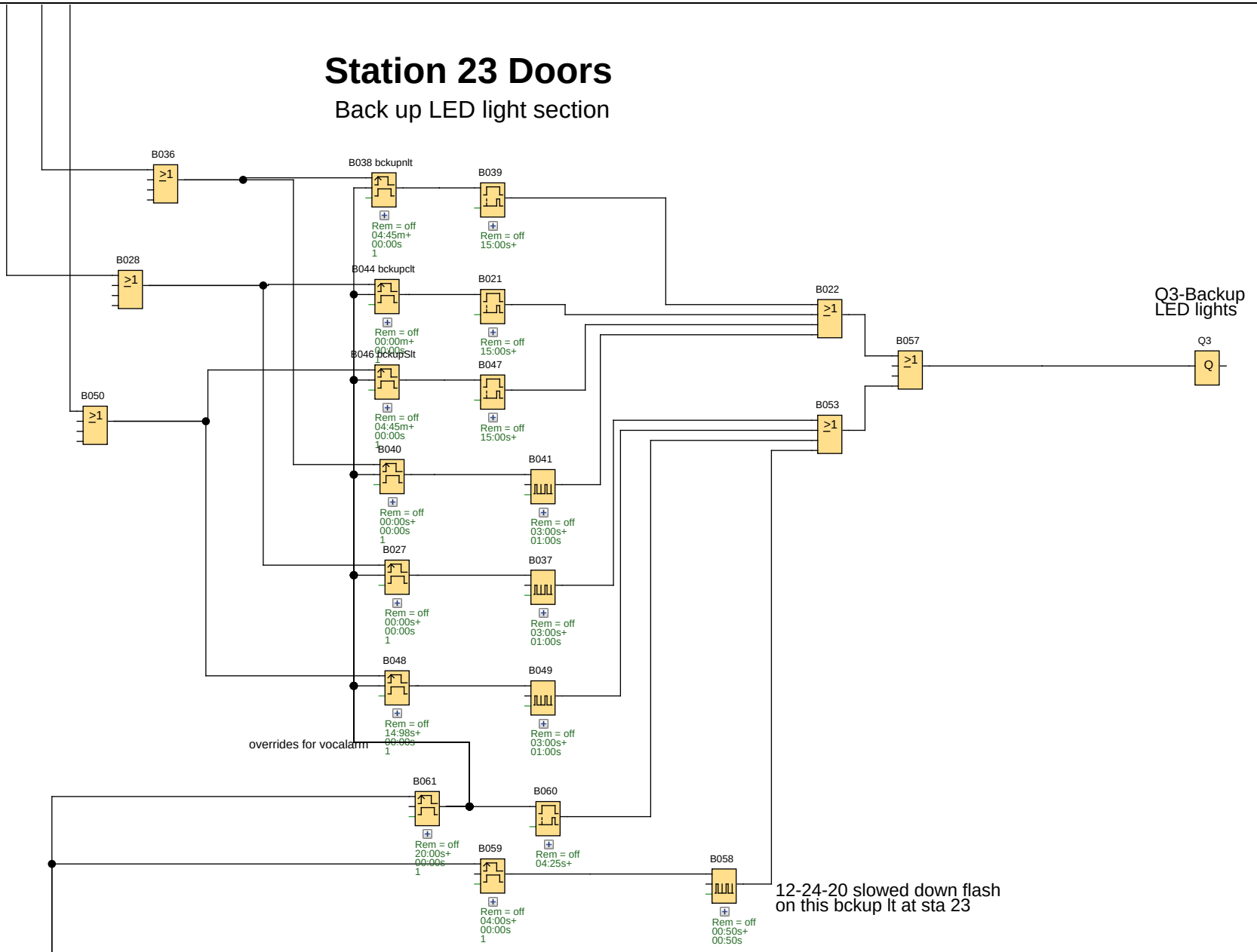
Station 23 Doors

Back up LED light section

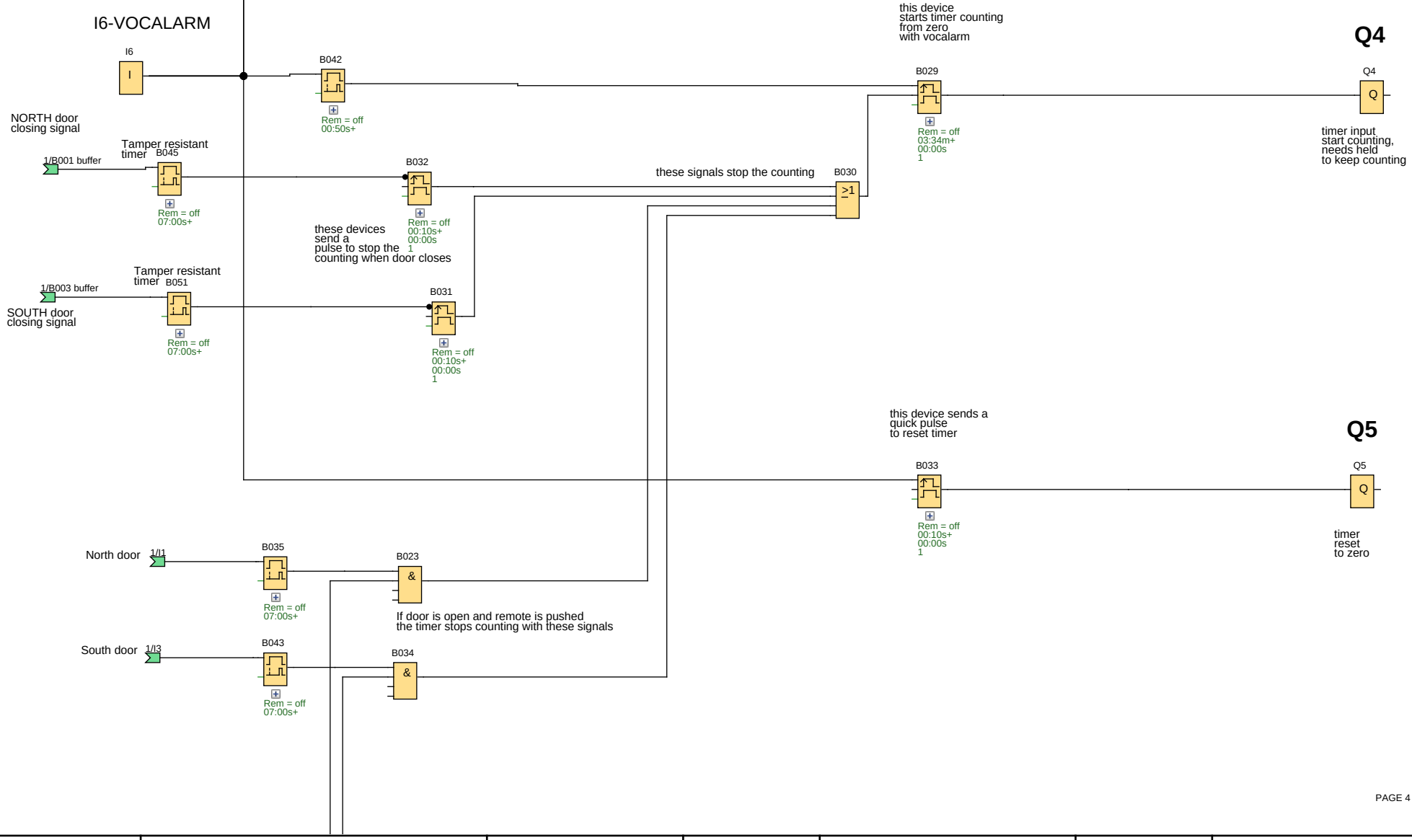


Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 23 doors	Customer:	Denver Fire Department
Checked:	8-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/9/15/22 9:26 AM		File:	Sta 23 drs 8-2-22.lsc	Page:	7 / 20

Sta 23

Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 23 doors	Customer:	Denver Fire Department
Checked:	8-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/9/15/22 9:26 AM		File:	Sta 23 drs 8-2-22.lsc	Page:	8 / 20

Sta 23 shot clock



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Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 23 doors	Customer:	Denver Fire Department
Checked:	8-2-22		Installation:		Diagram No.:	
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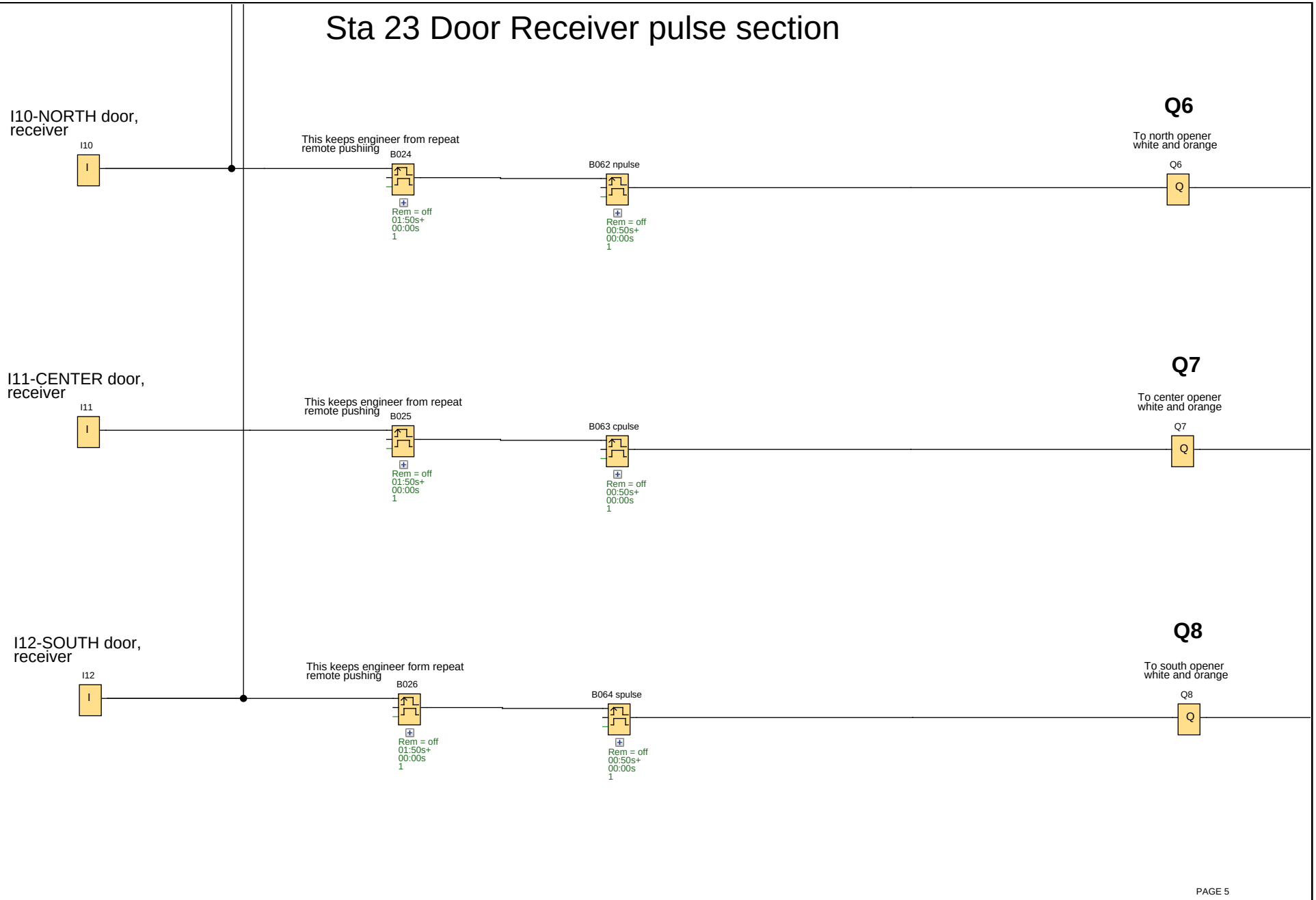
Sta 23

Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 23 doors	Customer:	Denver Fire Department
Checked:	8-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/9/15/22 9:26 AM		File:	Sta 23 drs 8-2-22.lsc	Page:	10 / 20

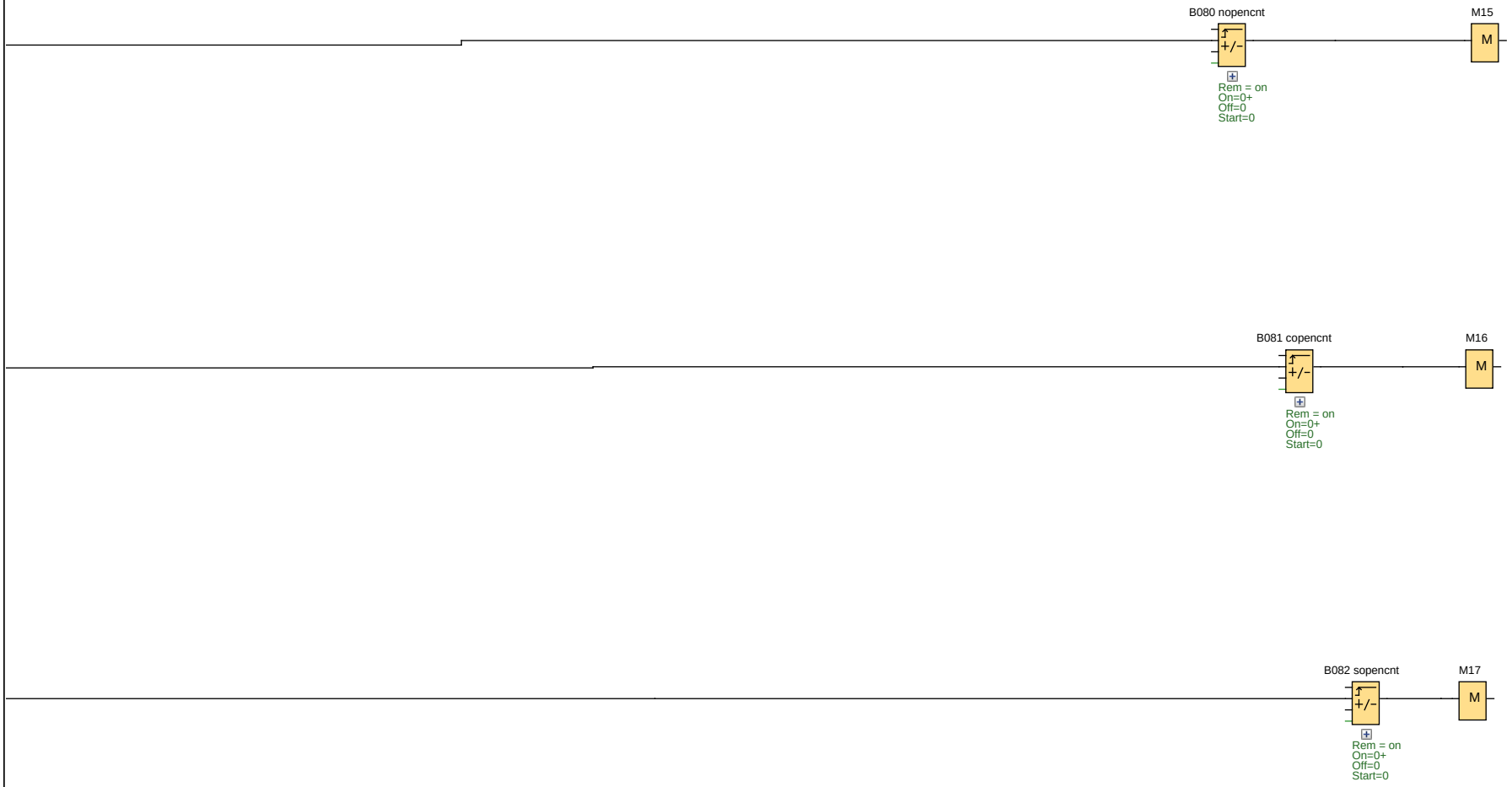
Sta 23 Door Receiver pulse section



Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 23 doors	Customer:	Denver Fire Department
Checked:	8-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/9/15/22 9:26 AM		File:	Sta 23 drs 8-2-22.lsc	Page:	11 / 20

Sta 23

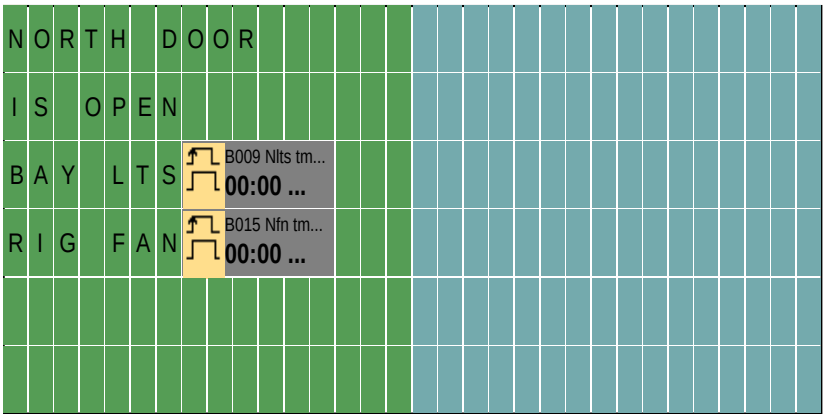
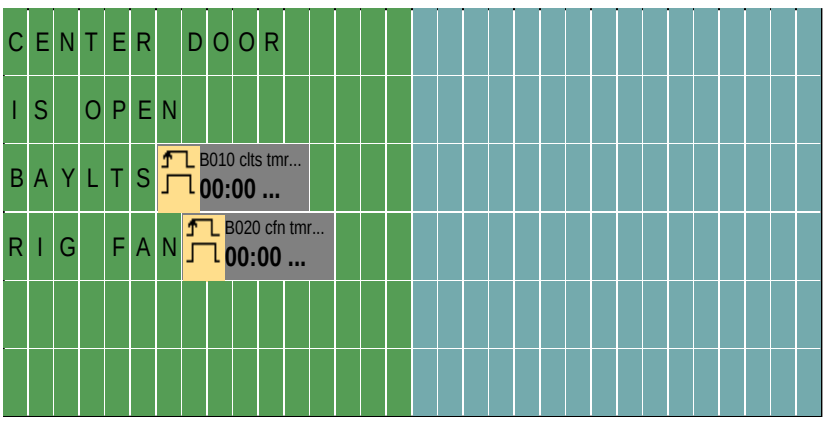
Counting sections

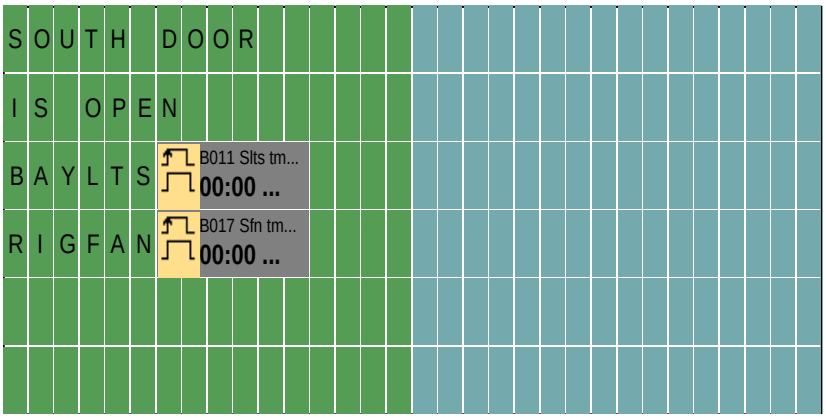


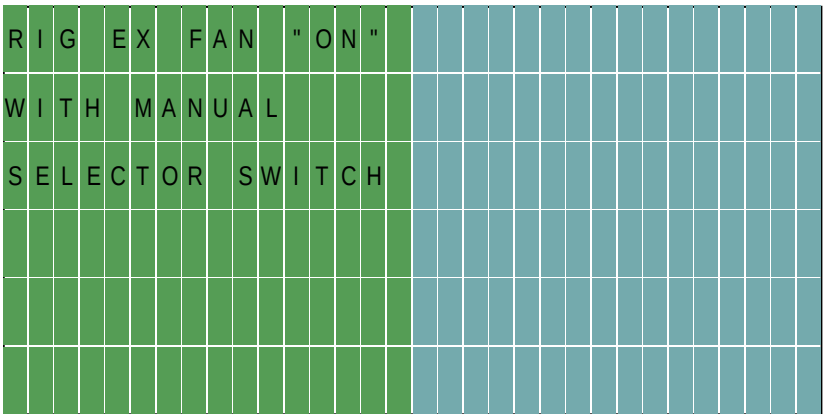
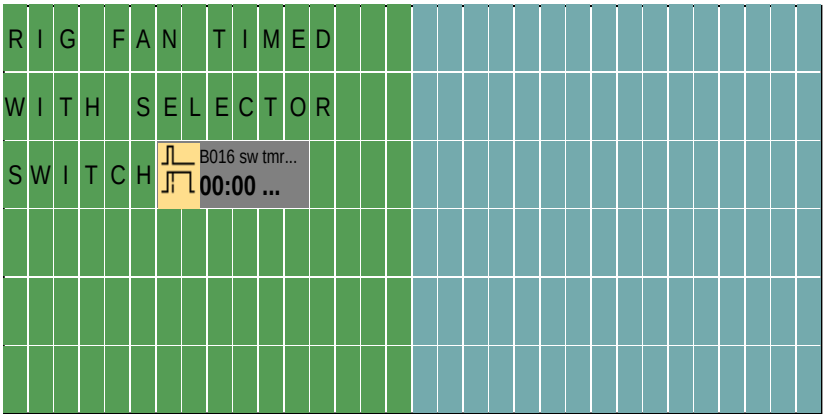
Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 23 doors	Customer:	Denver Fire Department
Checked:	8-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/9/15/22 9:26 AM		File:	Sta 23 drs 8-2-22.lsc	Page:	12 / 20

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 04:00m+ 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 04:00m+ 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 02:00m+ 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 02:00m+ 00:00s 1
B020 cfn tmr(Edge-triggered interval time-delay relay) : CENTER DOOR RIG EXHAUST FAN TIMER	Rem = off 00:00m+ 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 00:00s+ 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 04:45m+ 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 00:00m+ 00:00s 1
B045(On-delay) :	Rem = off 07:00s+
B046 bckupSlt(Edge-triggered interval time-delay relay) :	Rem = off 04:45m+ 00:00s 1
B047(On-delay) :	Rem = off 15:00s+
B048(Edge-triggered interval time-delay relay) :	Rem = off 14:98s+ 00:00s 1
B049(Asynchronous pulse generator) :	Rem = off 03:00s+ 01:00s
B051(On-delay) :	Rem = off 07:00s+
B052(Astronomical clock) :	Lot: W105°1'29"+ Lat: N39°42'4" TZ: -7 Sunrise offset: 20 Sunset offset: -20
B054 ndr cnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
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 04:25s+
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) :  Line3.8 B009 Nlts tmr-THRest Line4.8 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) :  Line3.7 B010 clts tmr-THRest Line4.8 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) :  Line3.7 B011 Slts tmr-THRest Line4.7 B017 Sfn tmr-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) :  Line3.7 B016 sw tmr -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
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
I1(Input) : I1-NORTH DOOR	
I2(Input) : I2-CENTER DOOR	
I3(Input) : I3-SOUTH DOOR	
I4(Input) : ex fan selector sw on	
I5(Input) : Ex fan selector sw timed	
I6(Input) : I6-VOCALARM	

Block Number (Type)	Parameter
I10(Input) : I10-NORTH door, receiver	
I11(Input) : I11-CENTER door, receiver	
I12(Input) : I12-SOUTH door, receiver	
Q1(Output) : Q1-APPARATUS 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	

Connection	Label
I1	
I2	
I3	
I4	
I5	
I6	
I10	
I11	
I12	
M1	
M2	
M3	
M4	
M5	
M6	
M7	
M9	
M10	
M11	
M12	
M13	
M14	
M15	
M16	
M17	
Q1	
Q2	
Q3	
Q4	

Connection	Label
Q5	
Q6	
Q7	
Q8	