Comment

rev 8-10-18 with cntrs etc cosmo only
5-18-22 no counters available, city ip installed, online tests good, done, FS-05 verified

Module Address

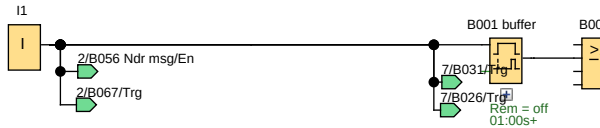
IP Address	10.126.164.69
Subnet Mask:	255.255.255.240
Default gateway	10.126.164.65

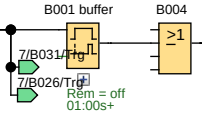
Station 19 Doors 5-18-22 type FS-05 verified

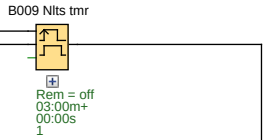
City IP address 10.126.164.69
255.255.255.240
10.126.164.65

App. bay lights section

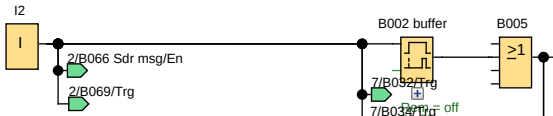
I1-NORTH DOOR

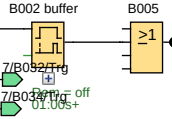


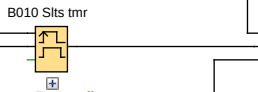


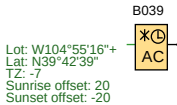


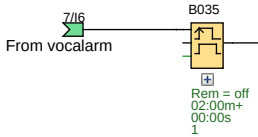
I2-SOUTH DOOR









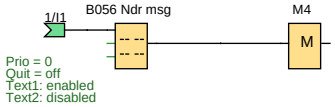


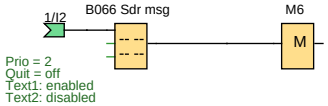
Q1-APPARATUS
BAY LIGHTS

Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 19 doors	Customer:	Denver Fire Department
Checked:	5-18-22		Installation:		Diagram No.:	3
Date:	2/18/16 7:10 AM/6/10/22 9:08 AM		File:	Sta 19 drs 5-18-22.lsc	Page:	3 / 18

Sta 19

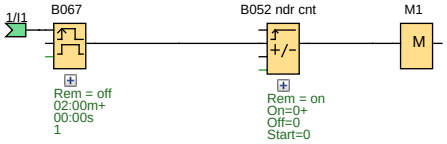
MESSAGE SECTION



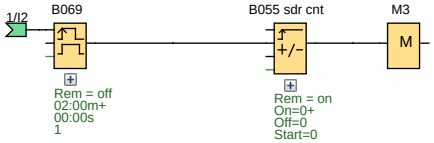


Counting sections

North door coumt

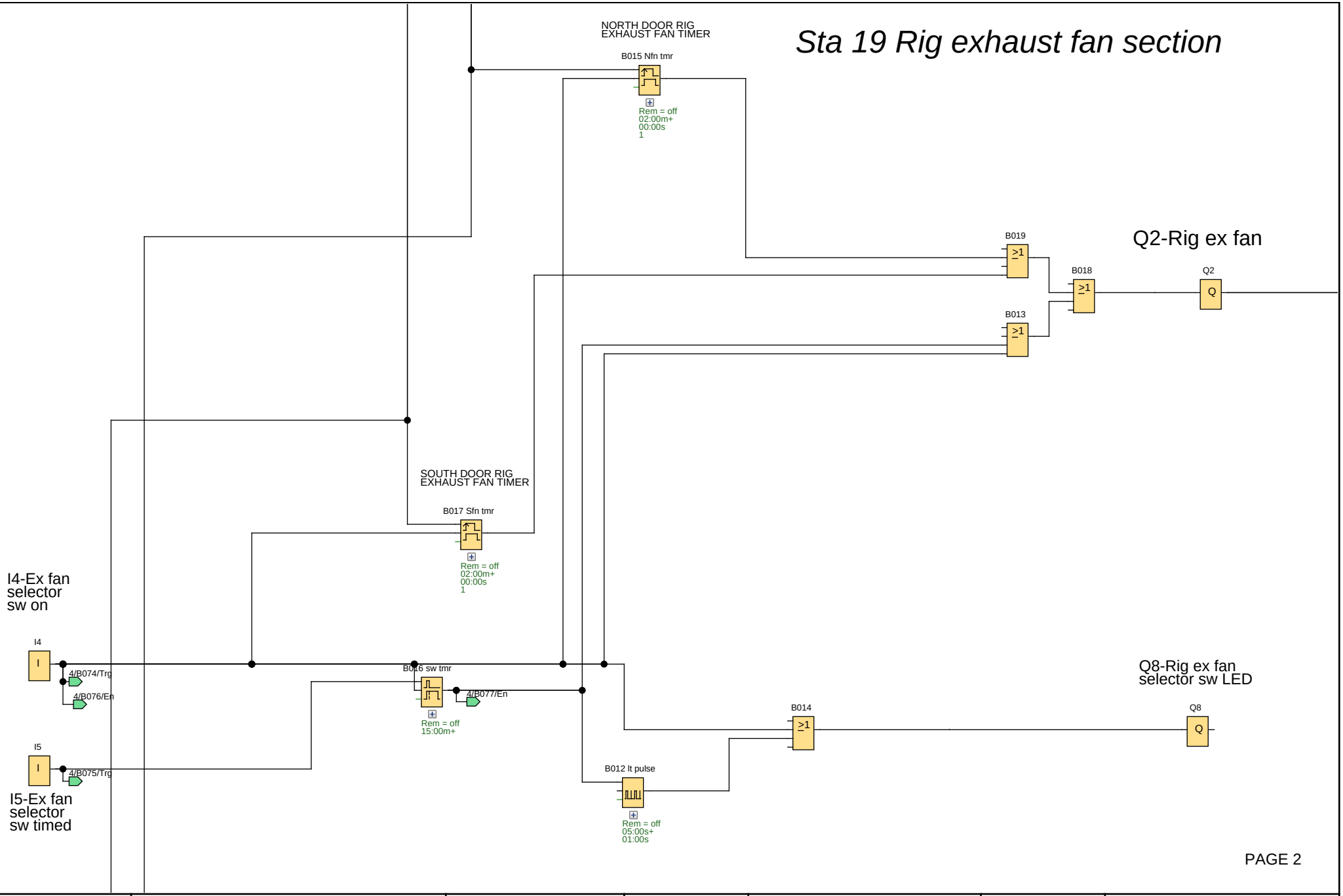


South door count



Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 19 doors	Customer:	Denver Fire Department
Checked:	5-18-22		Installation:		Diagram No.:	3
Date:	2/18/16 7:10 AM/6/10/22 9:08 AM		File:	Sta 19 drs 5-18-22.lsc	Page:	4 / 18

Sta 19 Rig exhaust fan section

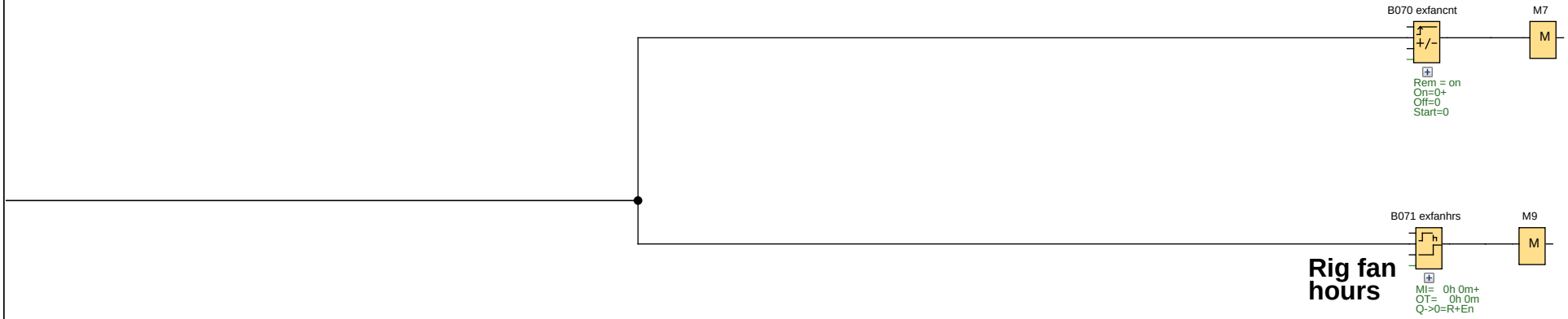


Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 19 doors	Customer:	Denver Fire Department
Checked:	5-18-22		Installation:		Diagram No.:	3
Date:	2/18/16 7:10 AM/6/10/22 9:08 AM		File:	Sta 19 drs 5-18-22.lsc	Page:	5 / 18

Sta 19

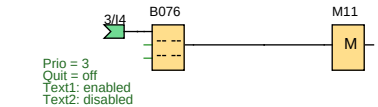
Counting sections

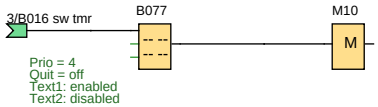
Rig fan "ON" count



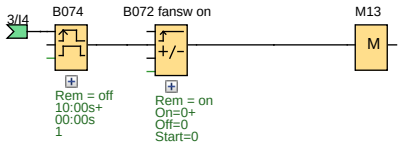
Rig fan hours

Message sections

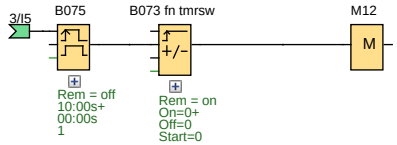




Fan switch "ON" count



Fan switch timer count

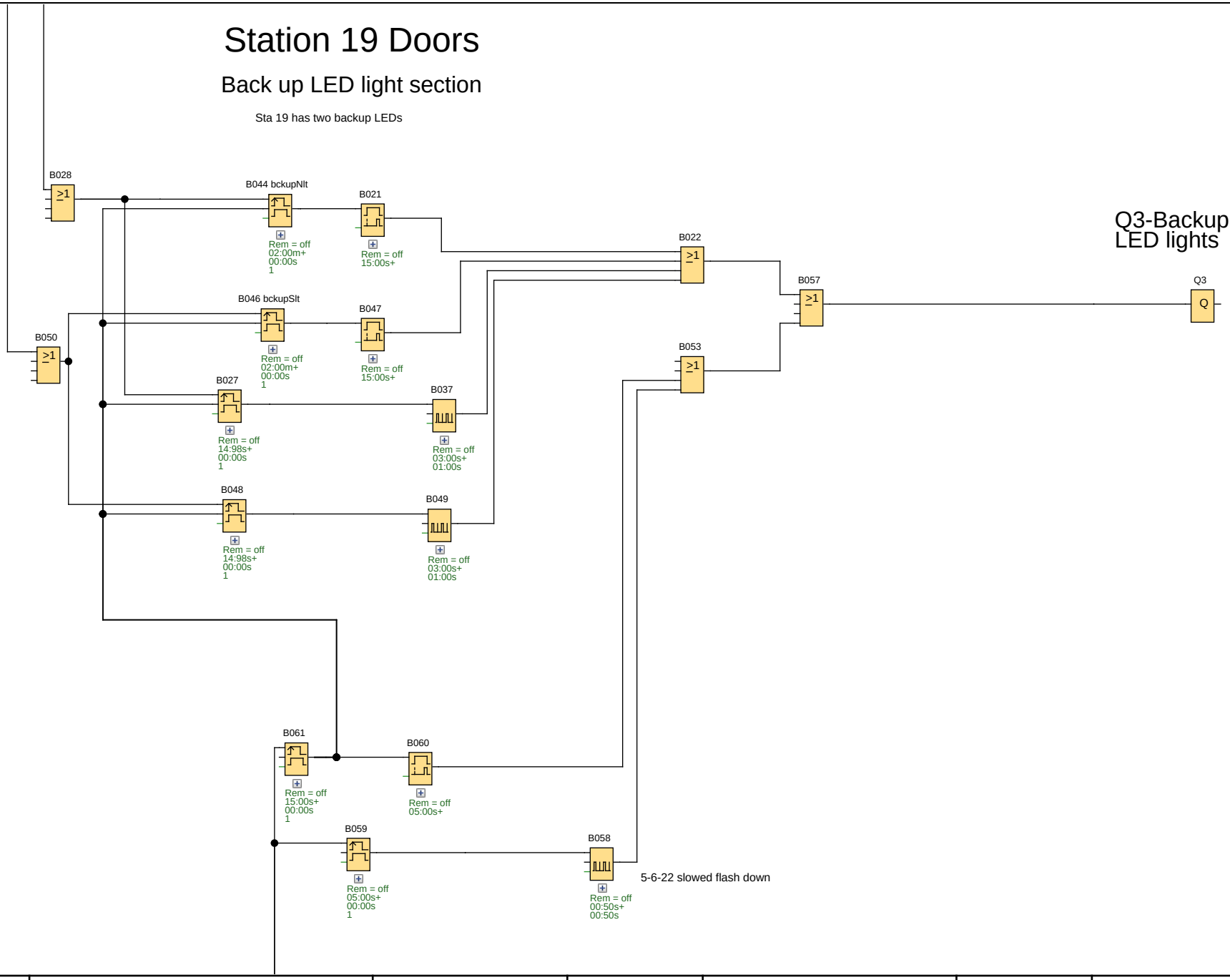


Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 19 doors	Customer:	Denver Fire Department
Checked:	5-18-22		Installation:		Diagram No.:	3
Date:	2/18/16 7:10 AM/6/10/22 9:08 AM		File:	Sta 19 drs 5-18-22.lsc	Page:	6 / 18

Station 19 Doors

Back up LED light section

Sta 19 has two backup LEDs

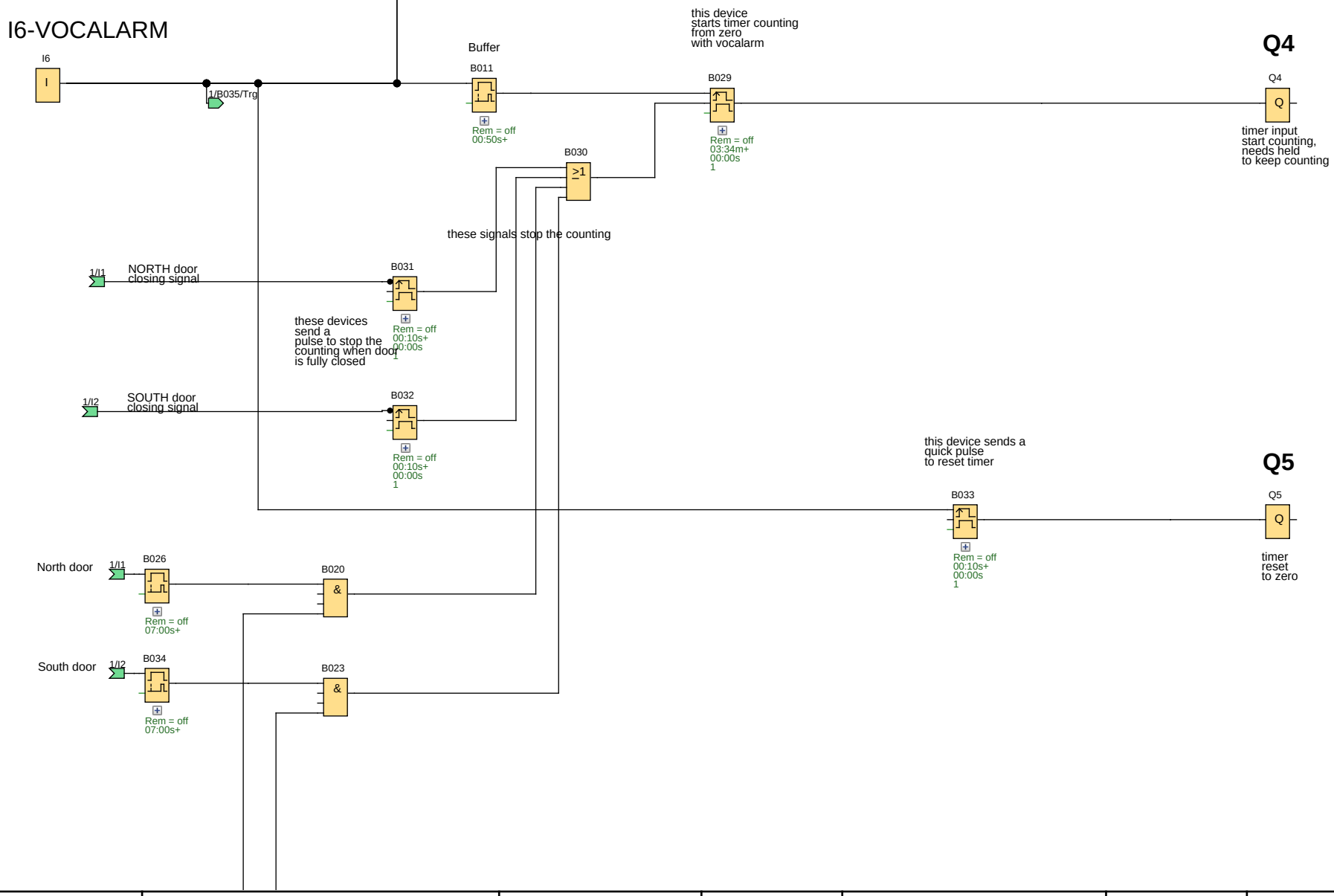


Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 19 doors	Customer:	Denver Fire Department
Checked:	5-18-22		Installation:		Diagram No.:	3
Date:	2/18/16 7:10 AM/6/10/22 9:08 AM		File:	Sta 19 drs 5-18-22.lsc	Page:	7 / 18

Sta 19

Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 19 doors	Customer:	Denver Fire Department
Checked:	5-18-22		Installation:		Diagram No.:	3
Date:	2/18/16 7:10 AM/6/10/22 9:08 AM		File:	Sta 19 drs 5-18-22.lsc	Page:	8 / 18

Sta 19 Shot clock



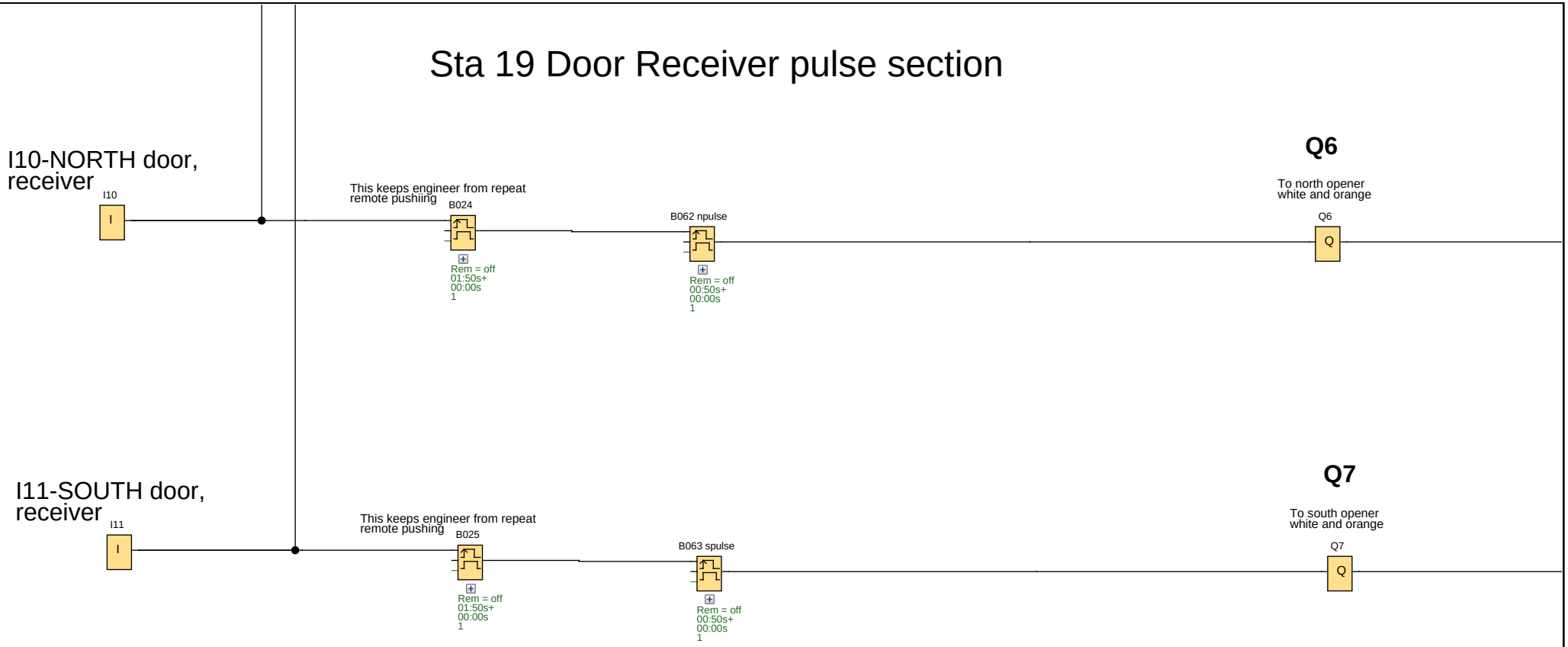
PAGE 4

Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 19 doors	Customer:	Denver Fire Department
Checked:	5-18-22		Installation:		Diagram No.:	3
Date:	2/18/16 7:10 AM/6/10/22 9:08 AM		File:	Sta 19 drs 5-18-22.lsc	Page:	9 / 18

Sta 19

Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 19 doors	Customer:	Denver Fire Department
Checked:	5-18-22		Installation:		Diagram No.:	3
Date:	2/18/16 7:10 AM/6/10/22 9:08 AM		File:	Sta 19 drs 5-18-22.lsc	Page:	10 / 18

Sta 19 Door Receiver pulse section



Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 19 doors	Customer:	Denver Fire Department
Checked:	5-18-22		Installation:		Diagram No.:	3
Date:	2/18/16 7:10 AM/6/10/22 9:08 AM		File:	Sta 19 drs 5-18-22.lsc	Page:	11 / 18

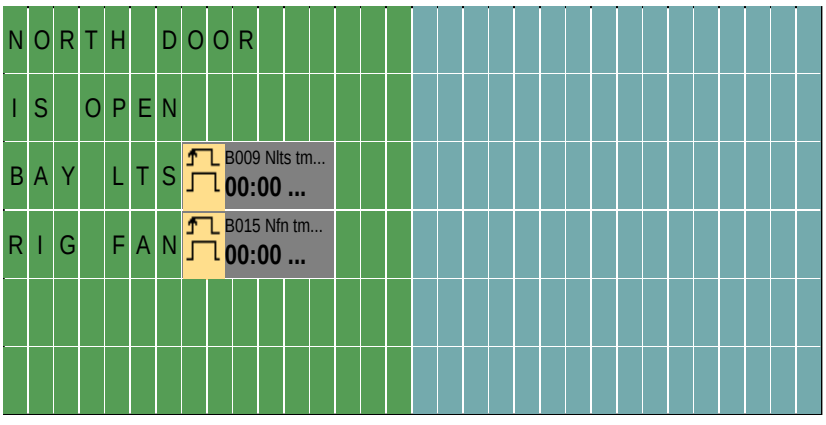
Sta 19

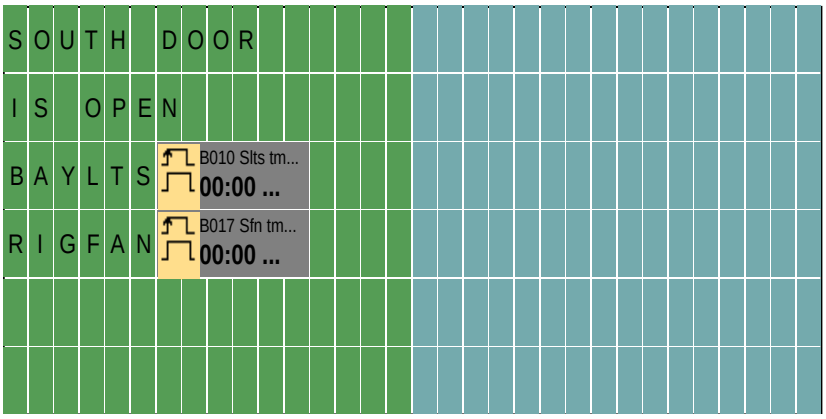
North remote count use

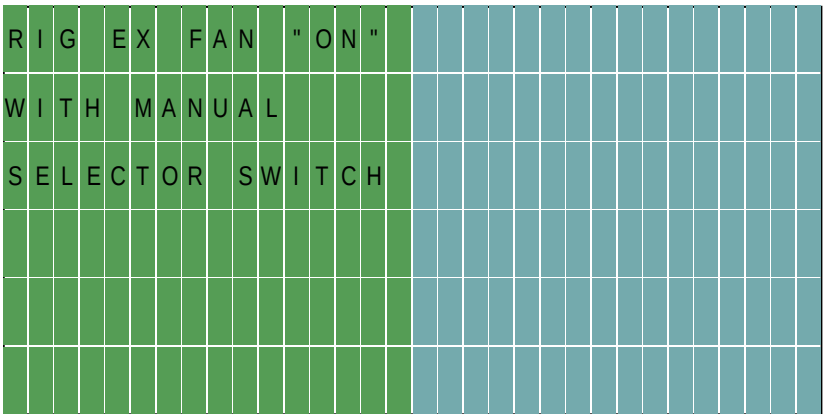
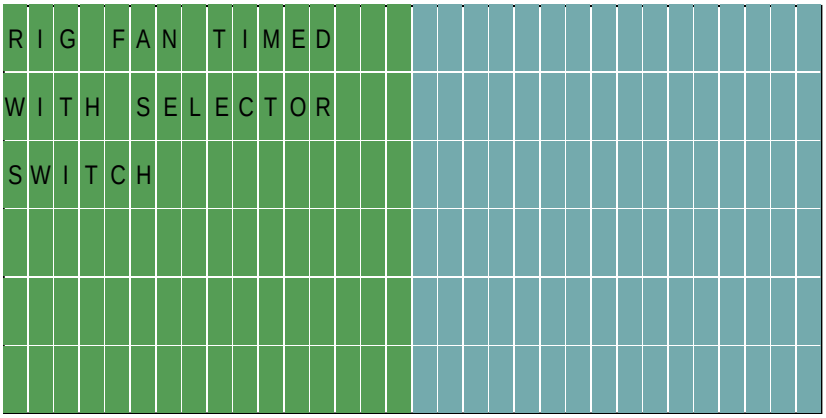
South remote count use

Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 19 doors	Customer:	Denver Fire Department
Checked:	5-18-22		Installation:		Diagram No.:	3
Date:	2/18/16 7:10 AM/6/10/22 9:08 AM		File:	Sta 19 drs 5-18-22.lsc	Page:	12 / 18

Block Number (Type)	Parameter
B001 buffer(On-delay) :	Rem = off 01:00s+
B002 buffer(On-delay) :	Rem = off 01:00s+
B009 Nlts tmr(Edge-triggered interval time-delay relay) :	Rem = off 03:00m+ 00:00s 1
B010 Slts tmr(Edge-triggered interval time-delay relay) :	Rem = off 03:00m+ 00:00s 1
B011(On-delay) :	Rem = off 00:50s+
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
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(On-delay) : North door	Rem = off 07:00s+
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 is fully closed	Rem = off 00:10s+ 00:00s 1
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
B034(On-delay) : South door	Rem = off 07:00s+
B035(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1

Block Number (Type)	Parameter
B036 nremcnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B037(Asynchronous pulse generator) :	Rem = off 03:00s+ 01:00s
B038 sremcnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B039(Astronomical clock) :	Lot: W104°55'16"+ Lat: N39°42'39" TZ: -7 Sunrise offset: 20 Sunset offset: -20
B044 bckupNlt(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
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 14:98s+ 00:00s 1
B049(Asynchronous pulse generator) :	Rem = off 03:00s+ 01:00s
B052 ndr cnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B055 sdr cnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B056 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
B058(Asynchronous pulse generator) :	Rem = off 00:50s+ 00:50s
B059(Edge-triggered interval time-delay relay) :	Rem = off 05:00s+ 00:00s 1

Block Number (Type)	Parameter
B060(On-delay) :	Rem = off 05:00s+
B061(Edge-triggered interval time-delay relay) :	Rem = off 15:00s+ 00:00s 1
B062 npulse(Edge-triggered interval time-delay relay) :	Rem = off 00:50s+ 00:00s 1
B063 spulse(Edge-triggered interval time-delay relay) :	Rem = off 00:50s+ 00:00s 1
B066 Sdr msg(Message texts) :  Line3.7 B010 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
B067(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B069(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B070 exfancnt(Up/Down counter) : Rig fan "ON" count	Rem = on On=0+ Off=0 Start=0
B071 exfanhrs(Operating hours counter) : Rig fan hours	MI= 0h 0m+ OT= 0h 0m Q->0=R+En
B072 fansw on(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B073 fn tmrsw(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B074(Edge-triggered interval time-delay relay) :	Rem = off 10:00s+ 00:00s 1
B075(Edge-triggered interval time-delay relay) :	Rem = off 10:00s+ 00:00s 1

Block Number (Type)	Parameter
B076(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
B077(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
I1(Input) : I1-NORTH DOOR	
I2(Input) : I2-SOUTH DOOR	
I4(Input) : I4-Ex fan selector sw on	
I5(Input) : I5-Ex fan selector sw timed	
I6(Input) : I6-VOCALARM	
I10(Input) : I10-NORTH door, receiver	
I11(Input) : I11-SOUTH door, receiver	
Q1(Output) : Q1-APPARATUS BAY LIGHTS	
Q2(Output) : Q2-Rig ex fan	

Block Number (Type)	Parameter
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 south opener white and orange	

Connection	Label
I1	
I2	
I4	
I5	
I6	
I10	
I11	
M1	
M2	
M3	
M4	
M5	
M6	
M7	
M9	
M10	
M11	
M12	
M13	
Q1	
Q2	
Q3	
Q4	
Q5	
Q6	
Q7	
Q8	