

**Comment**

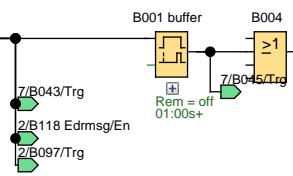
8-16-18 COSMO CHNGS

7-19-22 counters read = well there were no counters in old program, also east and west door limit switch seem to be cross wired, need fix it, also replaced Smart relay with new F type FS-05 but no IP setup yet need cat 6 cable for this, used spare cat 6 on VAMS Smart, MOV is present verified, added astro clock and verified correct, slowed flash on bckup lts, prgrm and redwnd

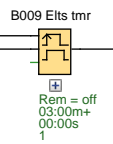
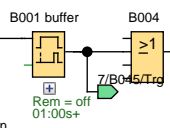
Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 27 doors	Customer:	Denver Fire Department
Checked:	7-19-22		Installation:	Sta 27 doors	Diagram No.:	
Date:	9/12/16 9:56 AM/9/15/22 9:27 AM		File:	Sta 27 drs 8-16-18 (1).lsc	Page:	1 / 19

# Station 27 Doors 7-19-22 used Wind LGC 6.3 version 8

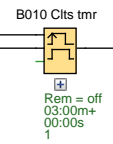
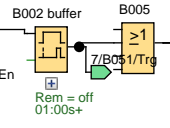
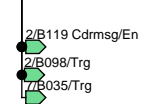
I1-EAST DOOR



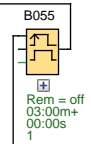
Door section, app. bay lts



I2-CENTER DOOR



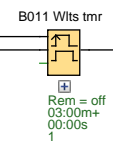
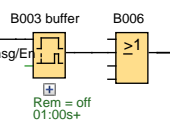
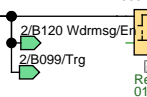
Q1-APPARATUS BAY LIGHTS



Lot: W104°50'28"+  
Lat: N39°46'50"  
TZ: -7  
Sunrise offset: 20  
Sunset offset: -20



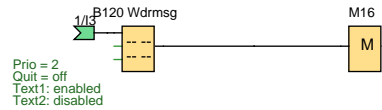
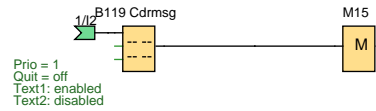
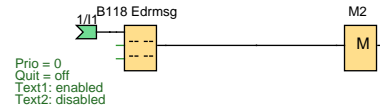
I3-WEST DOOR



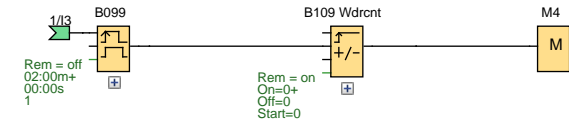
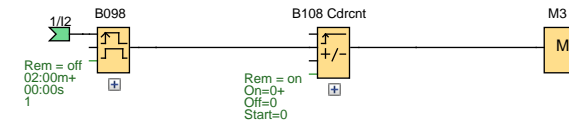
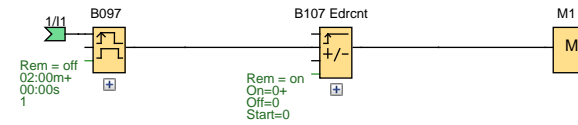
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Date:	9/12/16 9:56 AM/9/15/22 9:27 AM		File:	Sta 27 drs 8-16-18 (1).lsc	Page:	2 / 19

# STA 27

## MESSAGE SECTIONS

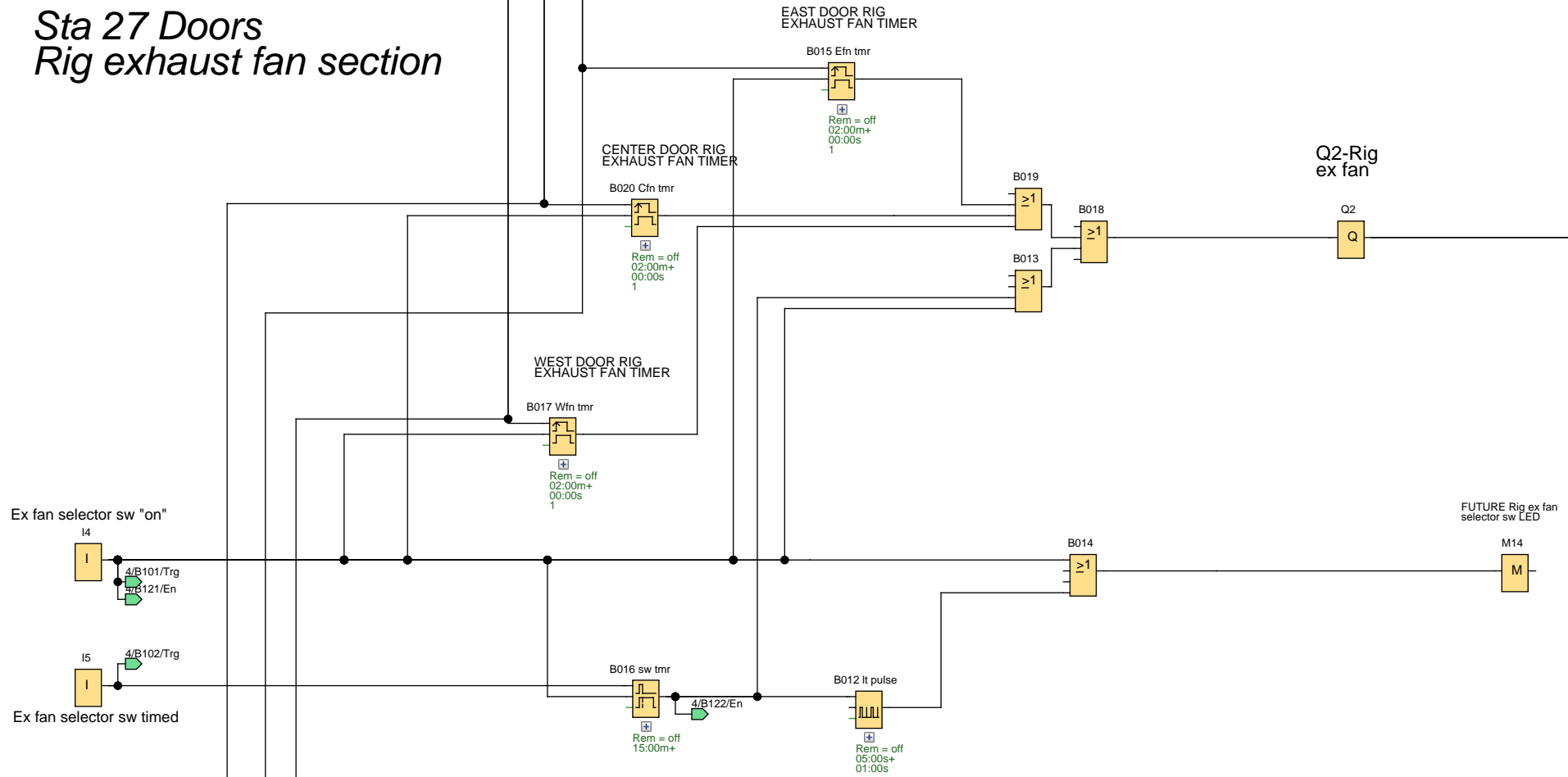


## COUNTING SECTIONS



Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 27 doors	Customer:	Denver Fire Department
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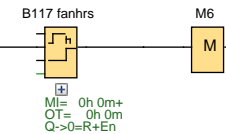
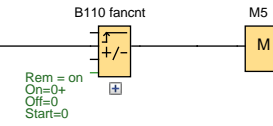
# Sta 27 Doors Rig exhaust fan section



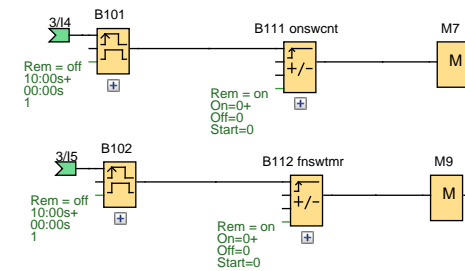
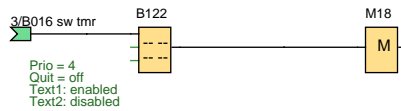
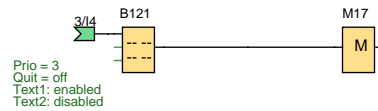
Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 27 doors	Customer:	Denver Fire Department
Checked:	7-19-22		Installation:	Sta 27 doors	Diagram No.:	
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# STA 27

## COUNTING SECTIONS



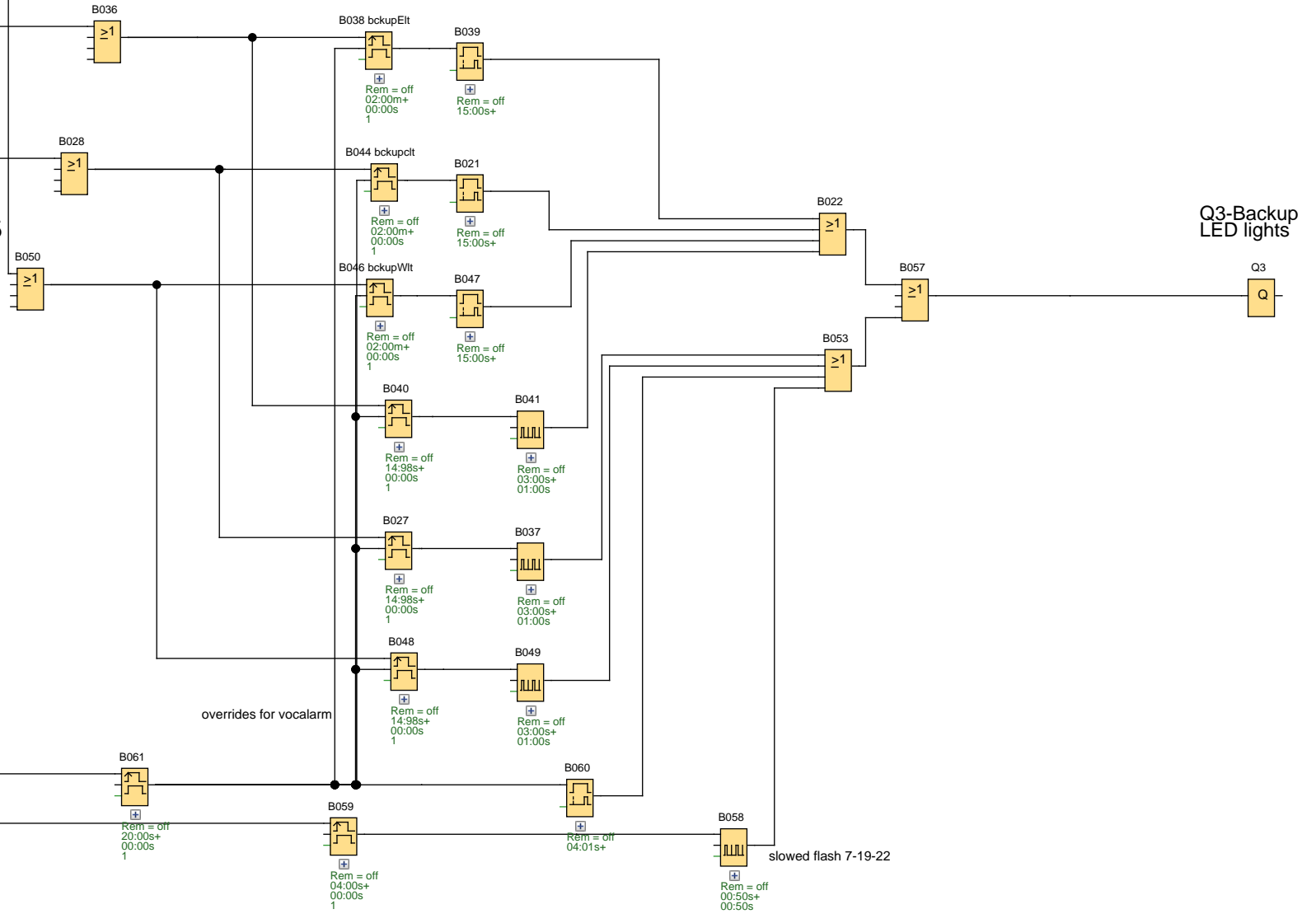
## MESSAGE SECTIONS



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Checked:	7-19-22		Installation:	Sta 27 doors	Diagram No.:	
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# Station 27 Doors

## Back up LED light section

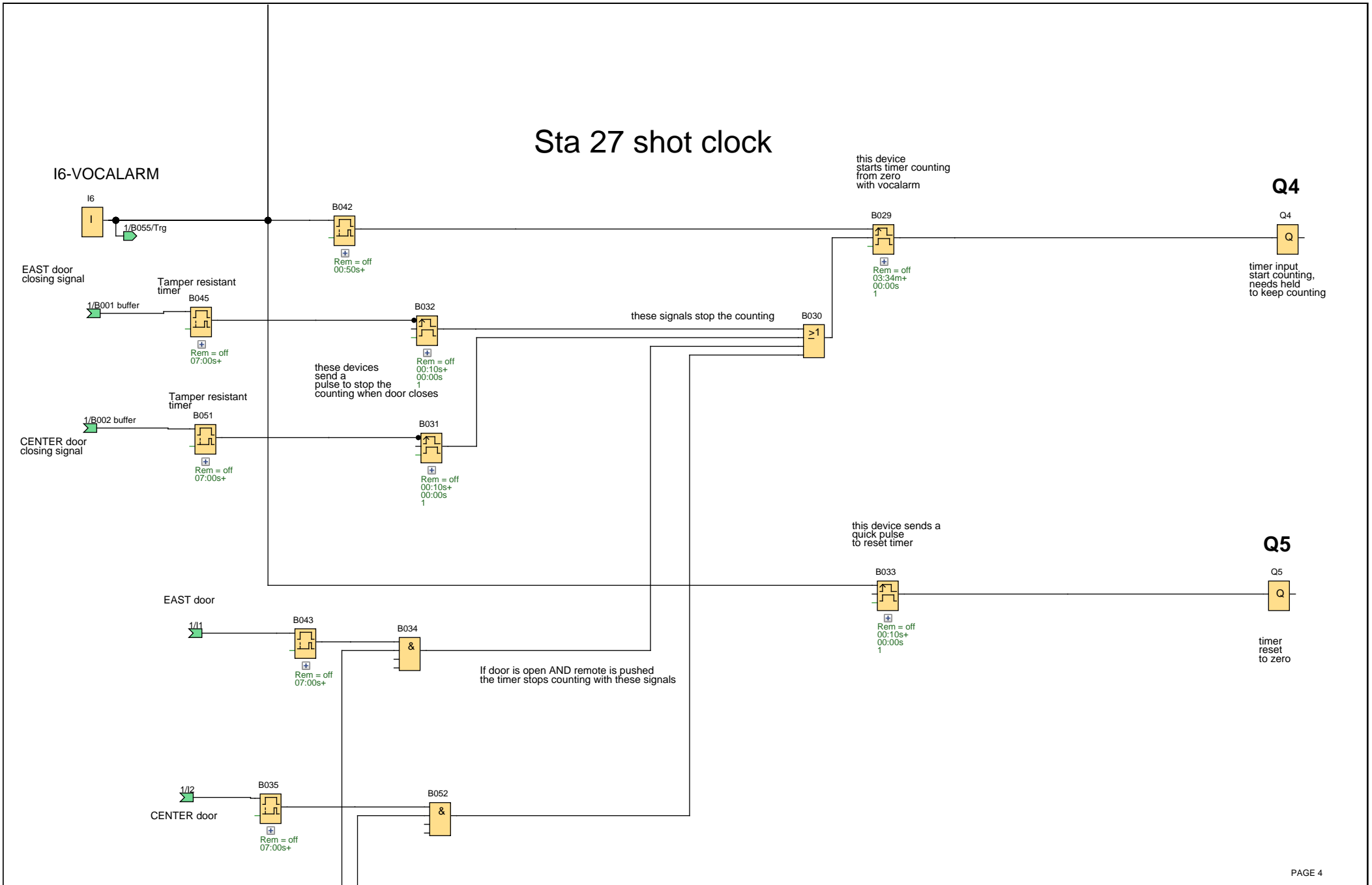


Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 27 doors	Customer:	Denver Fire Department
Checked:	7-19-22		Installation:	Sta 27 doors	Diagram No.:	
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# STA 27

Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 27 doors	Customer:	Denver Fire Department
Checked:	7-19-22		Installation:	Sta 27 doors	Diagram No.:	
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# Sta 27 shot clock



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# STA 27

Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 27 doors	Customer:	Denver Fire Department
Checked:	7-19-22		Installation:	Sta 27 doors	Diagram No.:	
Date:	9/12/16 9:56 AM/9/15/22 9:27 AM		File:	Sta 27 drs 8-16-18 (1).lsc	Page:	9 / 19

# Sta 27 Door Receiver pulse section

I10-EAST door,  
receiver



This keeps engineer from repeat  
remote pushing



Rem = off  
01:50s+  
00:00s  
1



Rem = off  
00:50s+  
00:00s  
1

**Q6**

To EAST opener  
white and orange



I11-CENTER door,  
receiver



This keeps engineer from repeat  
remote pushing



Rem = off  
01:50s+  
00:00s  
1



Rem = off  
00:50s+  
00:00s  
1

**Q7**

To center opener  
white and orange



I12-WEST door,  
receiver



This keeps engineer form repeat  
remote pushing



Rem = off  
01:50s+  
00:00s  
1



Rem = off  
00:50s+  
00:00s  
1

**Q8**

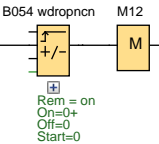
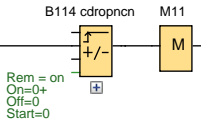
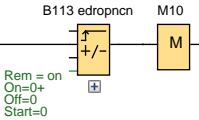
To WEST opener  
white and orange



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# STA 27

## COUNTING SECTIONS



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Checked:	7-19-22		Installation:	Sta 27 doors	Diagram No.:	
Date:	9/12/16 9:56 AM/9/15/22 9:27 AM		File:	Sta 27 drs 8-16-18 (1).lsc	Page:	11 / 19

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 Elts tmr(Edge-triggered interval time-delay relay) :	Rem = off 03:00m+ 00:00s 1
B010 Clts tmr(Edge-triggered interval time-delay relay) :	Rem = off 03:00m+ 00:00s 1
B011 Wlts tmr(Edge-triggered interval time-delay relay) :	Rem = off 03:00m+ 00:00s 1
B012 It pulse(Asynchronous pulse generator) :	Rem = off 05:00s+ 01:00s
B015 Efn tmr(Edge-triggered interval time-delay relay) : EAST DOOR RIG EXHAUST FAN TIMER	Rem = off 02:00m+ 00:00s 1
B016 sw tmr (Off-delay) :	Rem = off 15:00m+
B017 Wfn tmr(Edge-triggered interval time-delay relay) : WEST 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 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 pushing	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

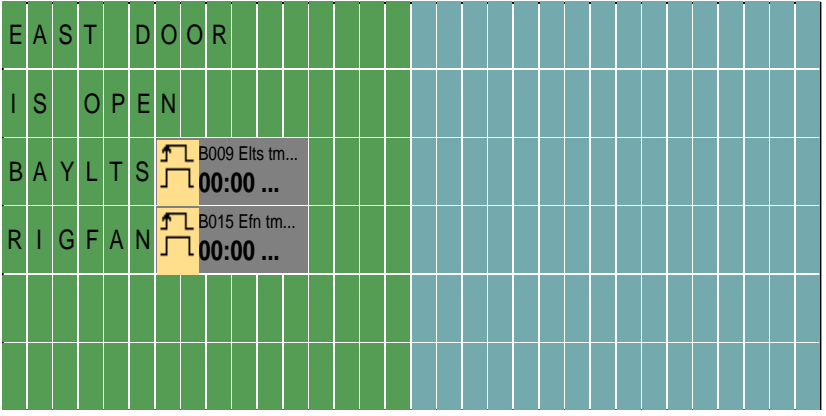
Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 27 doors	Customer:	Denver Fire Department
Checked:	7-19-22		Installation:	Sta 27 doors	Diagram No.:	
Date:	9/12/16 9:56 AM/9/15/22 9:27 AM		File:	Sta 27 drs 8-16-18 (1).lsc	Page:	12 / 19

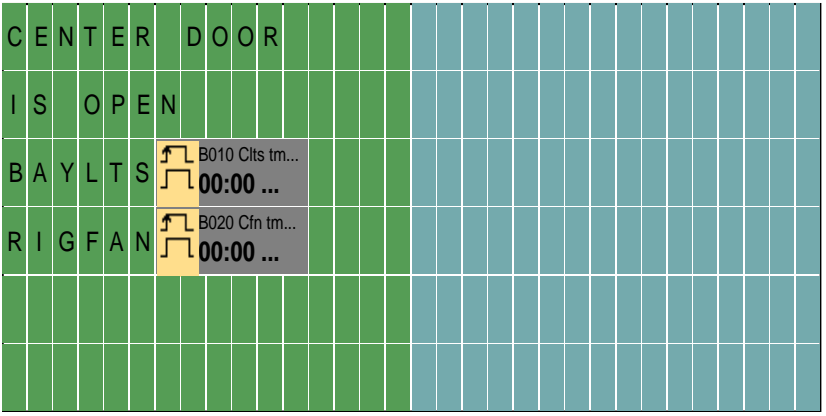
Block Number (Type)	Parameter
B033(Edge-triggered interval time-delay relay) : this device sends a quick pulse to reset timer	Rem = off 00:10s+ 00:00s 1
B035(On-delay) :	Rem = off 07:00s+
B037(Asynchronous pulse generator) :	Rem = off 03:00s+ 01:00s
B038 bckupElt(Edge-triggered interval time-delay relay) :	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(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 bckupWlt(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
B051(On-delay) :	Rem = off 07:00s+
B054 wdropncn(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(Astronomical clock) :	Lot: W104°50'28"+ Lat: N39°46'50" TZ: -7 Sunrise offset: 20 Sunset offset: -20
B058(Asynchronous pulse generator) :	Rem = off 00:50s+ 00:50s

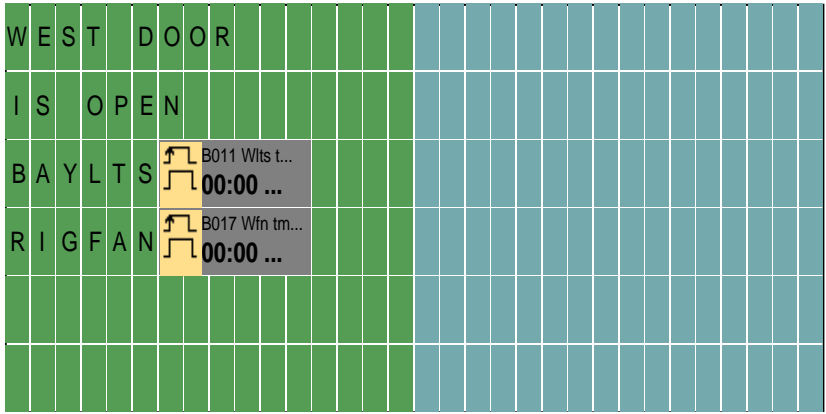
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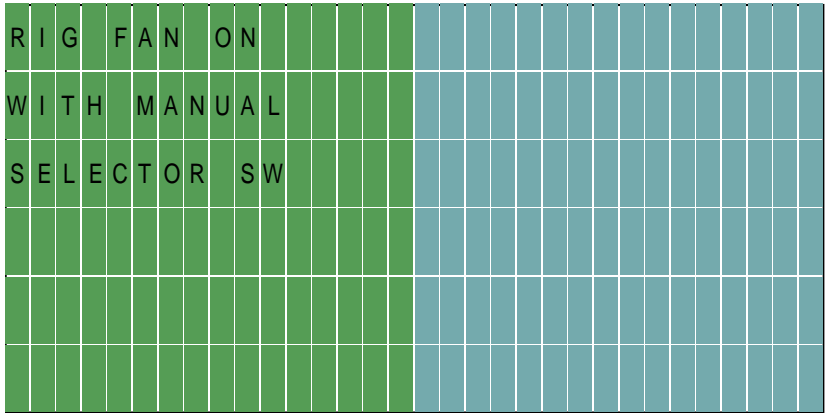
Block Number (Type)	Parameter
B059(Edge-triggered interval time-delay relay) :	Rem = off 04:00s+ 00:00s 1
B060(On-delay) :	Rem = off 04:01s+
B061(Edge-triggered interval time-delay relay) :	Rem = off 20:00s+ 00:00s 1
B062 Epulse(Edge-triggered interval time-delay relay) :	Rem = off 00:50s+ 00:00s 1
B063 cpulse(Edge-triggered interval time-delay relay) :	Rem = off 00:50s+ 00:00s 1
B064 Wpulse(Edge-triggered interval time-delay relay) :	Rem = off 00:50s+ 00:00s 1
B097(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B098(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B099(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B101(Edge-triggered interval time-delay relay) :	Rem = off 10:00s+ 00:00s 1
B102(Edge-triggered interval time-delay relay) :	Rem = off 10:00s+ 00:00s 1
B107 Edrcnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B108 Cdrct(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B109 Wdrct(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B110 fancnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B111 onswcnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B112 fnswtmr(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B113 edropncn(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0

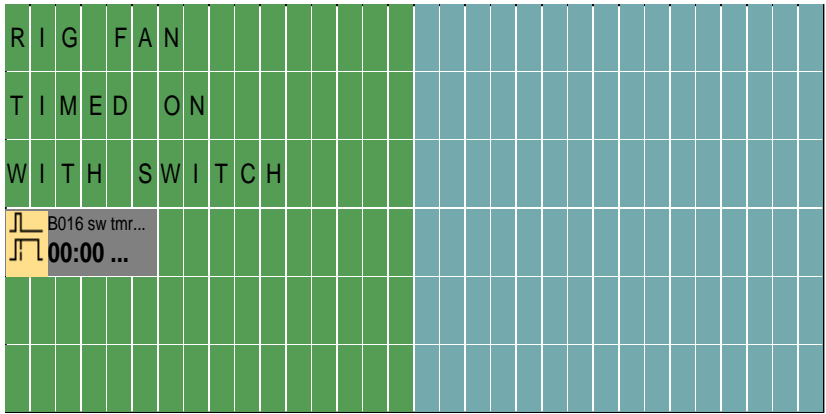
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Block Number (Type)	Parameter
B114 cdropncn(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B117 fanhrs(Operating hours counter) :	Ml= 0h 0m+ Ot= 0h 0m Q->0=R+En
B118 Edrmsg(Message texts) :   Line3.7 B009 Elts tmr-THRest Line4.7 B015 Efn tmr-THRest	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

B119 Cdrmsg(Message texts) :   Line3.7 B010 Clts tmr-THRest Line4.7 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
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Block Number (Type)	Parameter
<p>B120 Wdrmsg(Message texts) :</p>  <p>Line3.7 B011 Wlts tmr-THRest Line4.7 B017 Wfn tmr-THRest</p>	<p>Prio = 2 Quit = off Text1: enabled Text2: disabled</p> <p>Ticker setting - CBC - Line1: N - Line2: Z - Line3: Z - Line4: Z - Line5: Z - Line6: Z</p> <p>Message Destination - Both</p>

<p>B121(Message texts) :</p> 	<p>Prio = 3 Quit = off Text1: enabled Text2: disabled</p> <p>Ticker setting - CBC - Line1: N - Line2: Z - Line3: Z - Line4: Z - Line5: Z - Line6: Z</p> <p>Message Destination - Both</p>
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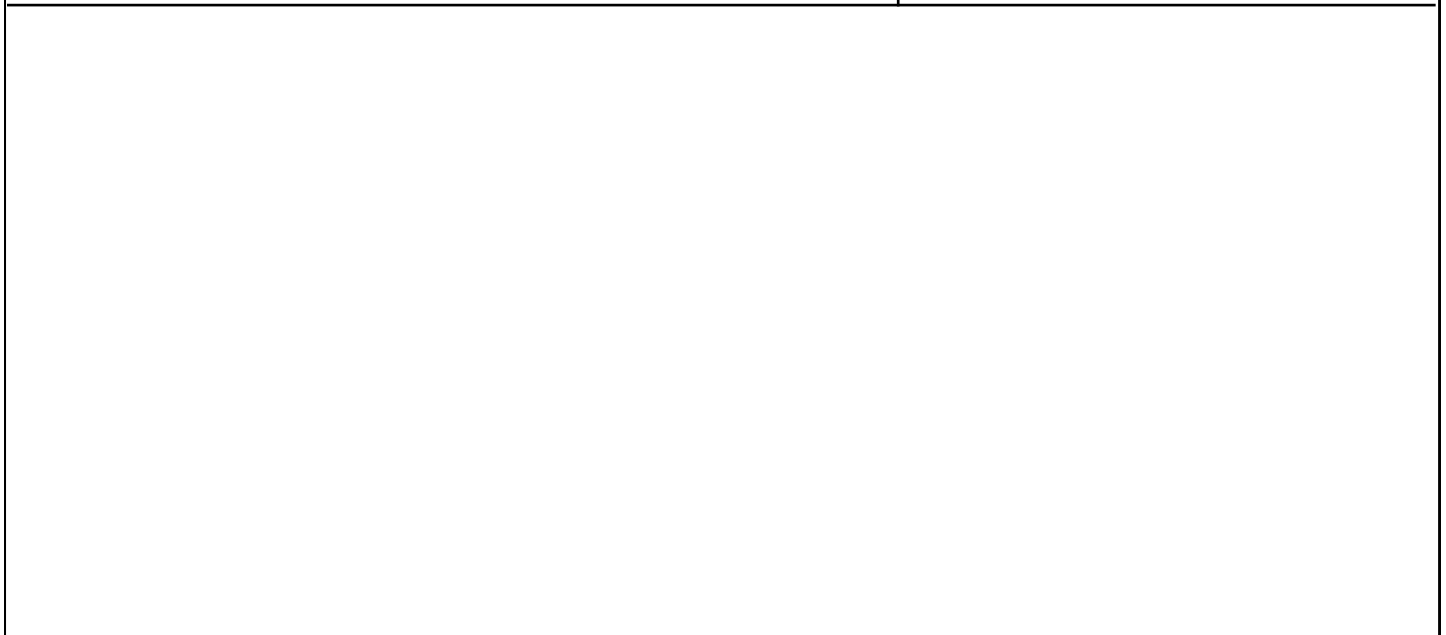
<p>B122(Message texts) :</p>  <p>Line4.1 B016 sw tmr -TRest</p>	<p>Prio = 4 Quit = off Text1: enabled Text2: disabled</p> <p>Ticker setting - CBC - Line1: N - Line2: Z - Line3: Z - Line4: Z - Line5: Z - Line6: Z</p> <p>Message Destination - Both</p>
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<p>1(Input) : 1-EAST DOOR</p>	
<p>2(Input) : 2-CENTER DOOR</p>	

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Block Number (Type)	Parameter
I3(Input) : I3-WEST DOOR	
I4(Input) : Ex fan selector sw "on"	
I5(Input) : Ex fan selector sw timed	
I6(Input) : I6-VOCALARM	
I10(Input) : I10-EAST door, receiver	
I11(Input) : I11-CENTER door, receiver	
I12(Input) : I12-WEST 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 EAST opener white and orange	
Q7(Output) : To center opener white and orange	
Q8(Output) : To WEST 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	
M14	
M15	
M16	
M17	
M18	
Q1	
Q2	
Q3	
Q4	

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Connection	Label
Q5	
Q6	
Q7	
Q8	

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