

Comment

11-13-17 org , rev 8-8-18 w/ countrs msgs, etc..cosmetic only
10-8-20 just set drop light timers on the Smart relay to zero at sta 5 on east and west doors because dorm lights waking them up when other stations coming in at night for air tank fill ups
5-23-22 installed city ip address, type FS-05 verified, MOV installed, slowed flash, counters were not on old program, but are now, redwln ded, all counts start from zero

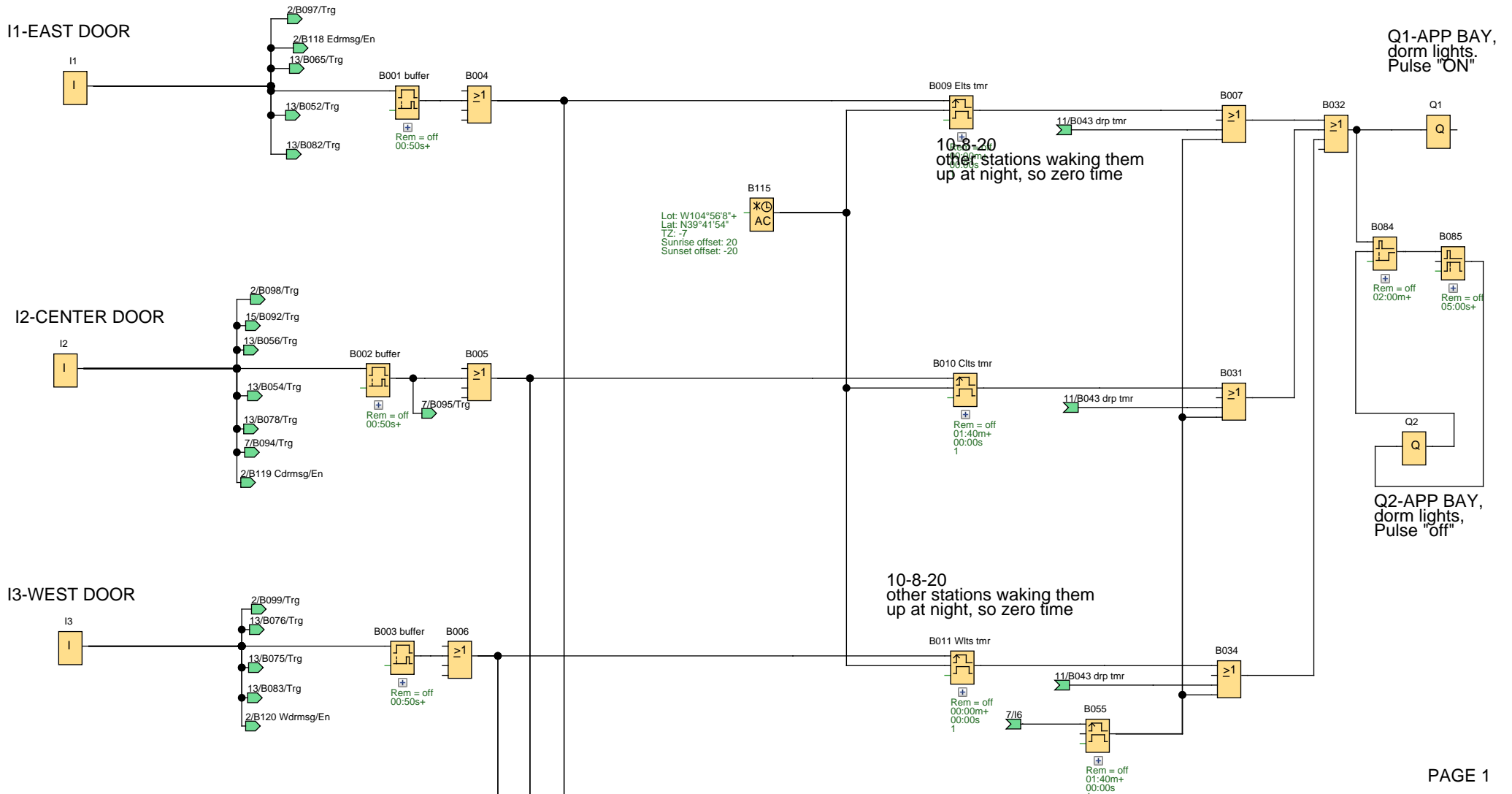
Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 5 drs va ms	Customer:	Denver Fire Department
Checked:	5-23-22		Installation:	Sta 5 drs va ms	Diagram No.:	3
Date:	9/12/16 9:56 AM/6/10/22 8:30 AM		File:	Sta 5 drs va ms 5-24-22.lsc	Page:	1 / 28

Module Address

IP Address 10.126.163.165
Subnet Mask: 255.255.255.240
Default gateway 10.126.163.161

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Door section, app. bay lts

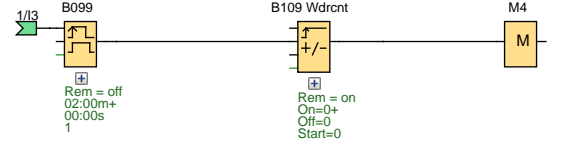
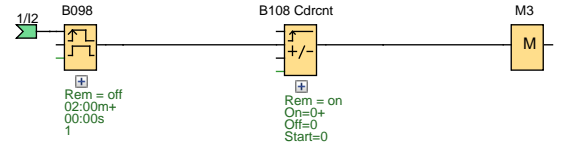
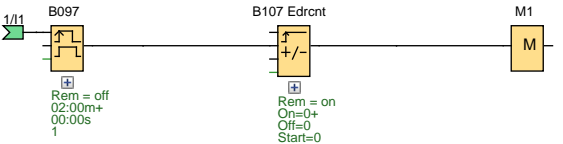
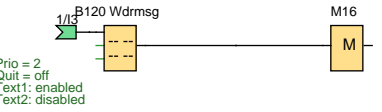
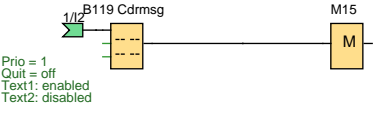
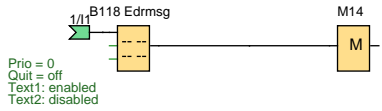


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DFD Lineshop					

COUNTING SECTIONS

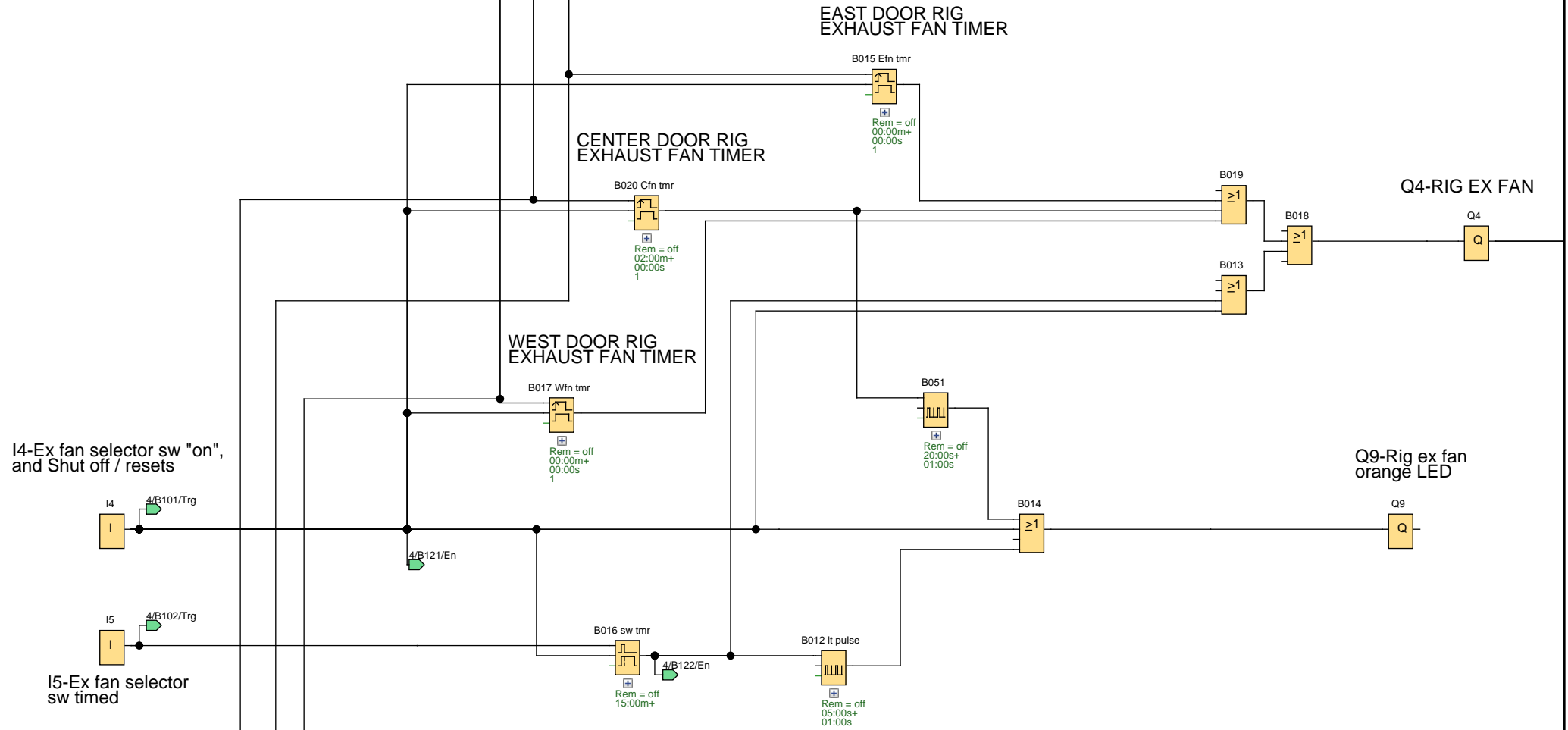
STA 5

MESSAGE SECTIONS



Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 5 drs va ms	Customer:	Denver Fire Department
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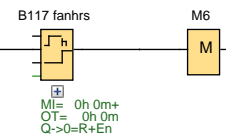
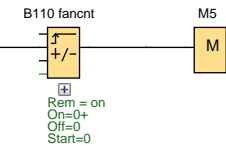
Sta 5 Doors Rig exhaust fan section



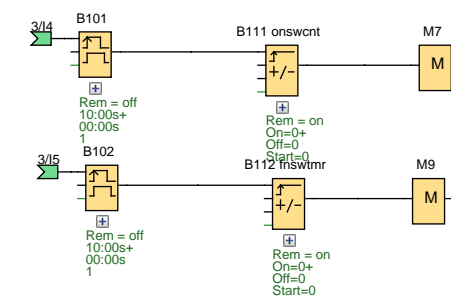
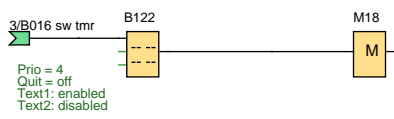
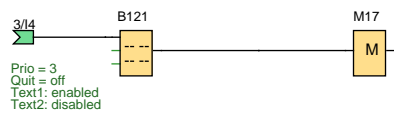
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STA 5

COUNTING SECTIONS



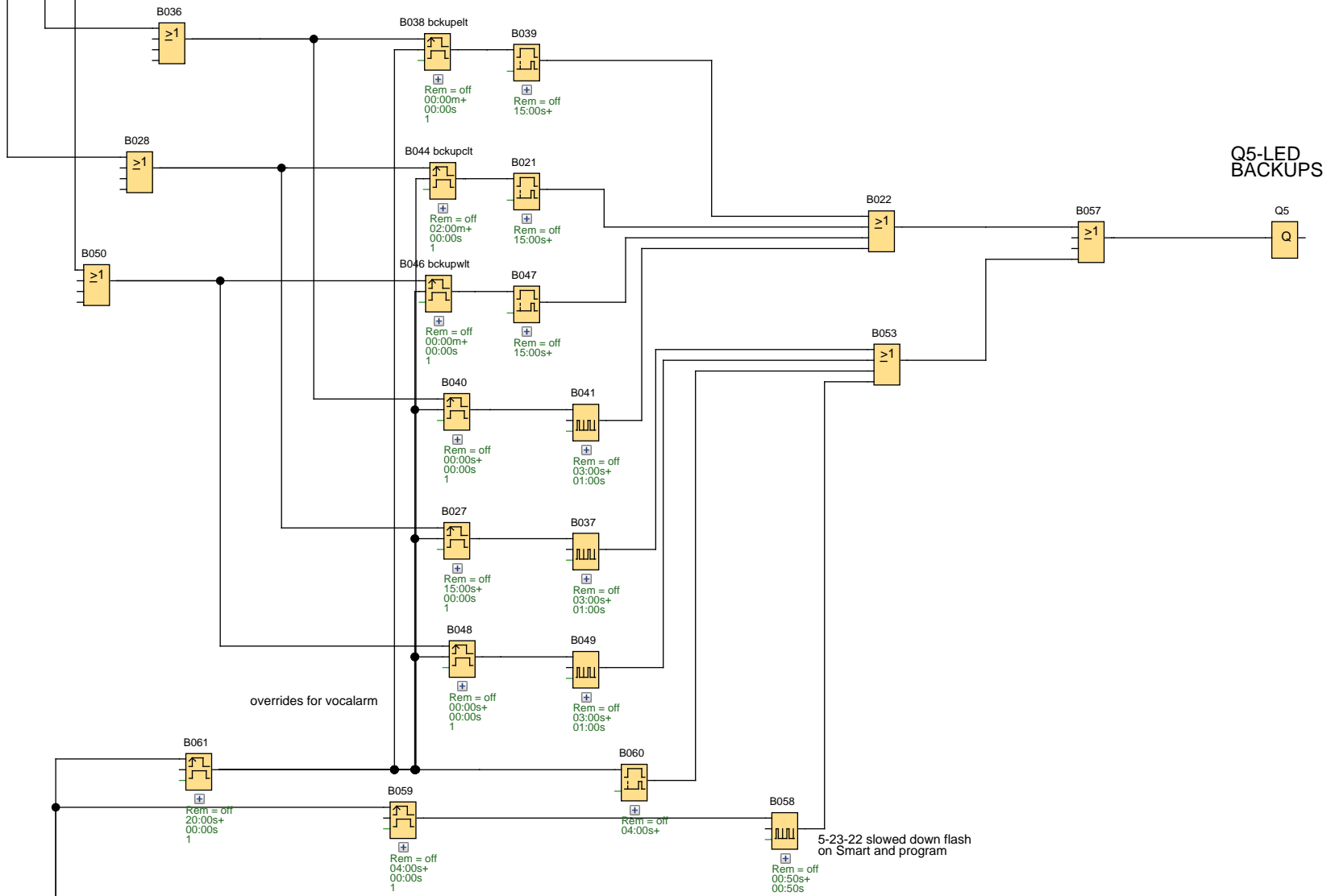
MESSAGE SECTIONS



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Station 5 Doors

Back up LED light section

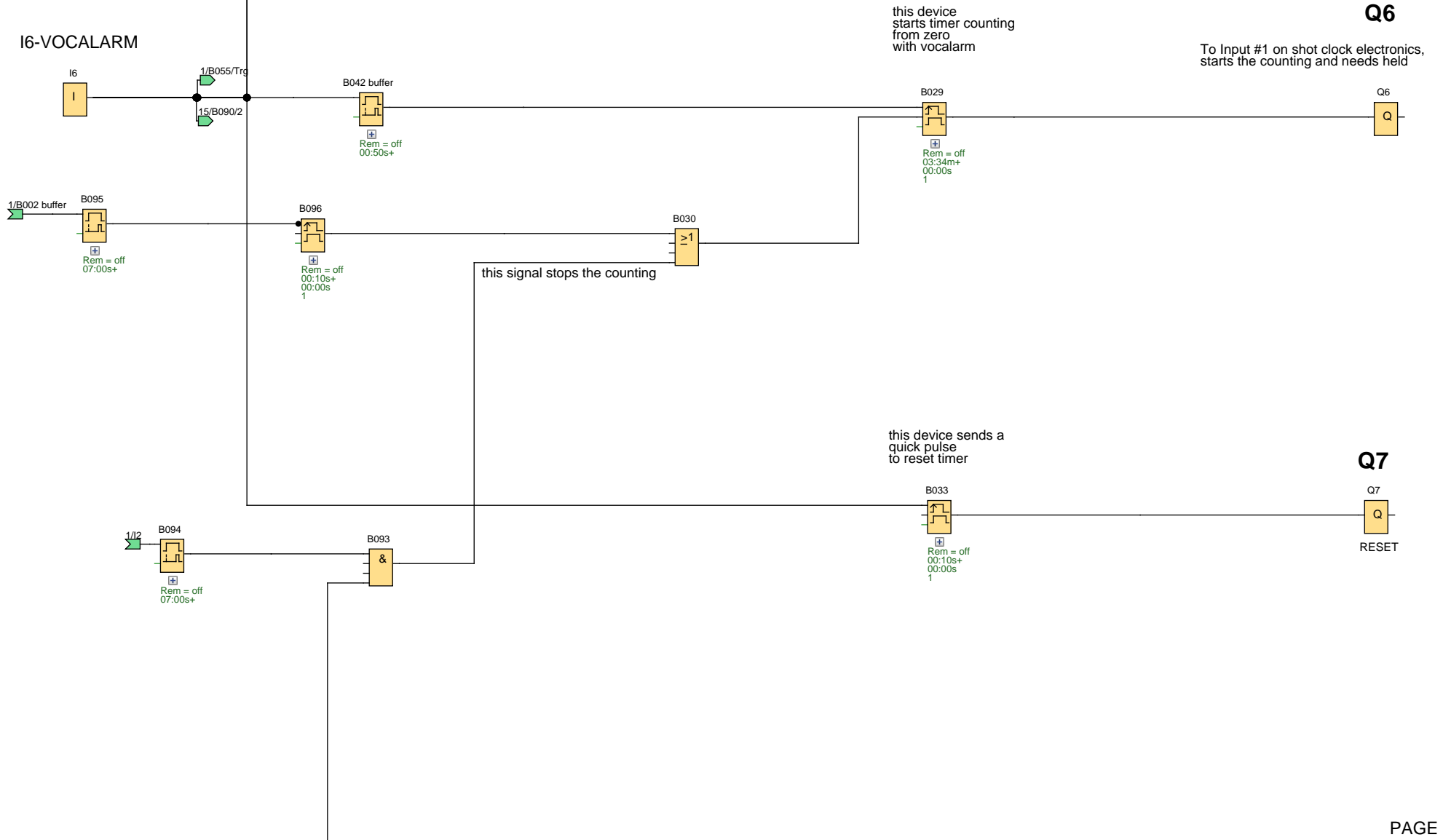


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STA 5

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Sta 5 shot clock



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STA 5

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Sta 5 Door RECEIVER PULSE section

I11
From east door
receiver relay



This keeps engineer from repeat
remote pushing



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



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

Q15



To orange and white
on east door operator

I17
From center door
receiver relay



This keeps engineer from repeat
remote pushing



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

Q10-JINGLER
B063 cpulse



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

Q8



To orange and white
on center door operator

This keeps engineer form repeat
remote pushing



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

NOT USED

B064 wpulse



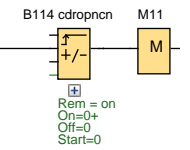
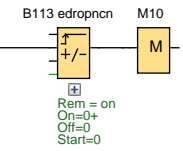
Rem = off
00:00s+
00:00s
1



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STA 5

COUNTING SECTIONS



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Sta 5 Machine Start Section

I8-Mach Start



I9-Mach Stop



I10-Jingler
pushbutton



B043 drp tmr



Rem = off
05:00s+
00:00s
1

1/B034/3



1/B031/3



1/B007/3



To drop lights

B035 jng tmr



Rem = off
04:00s+
00:00s
1

B045



Q10-JINGLER

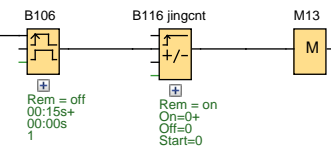
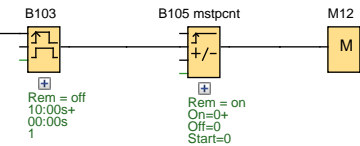
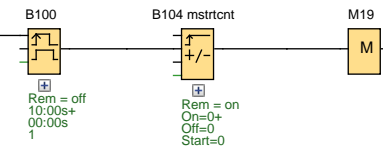
Q10



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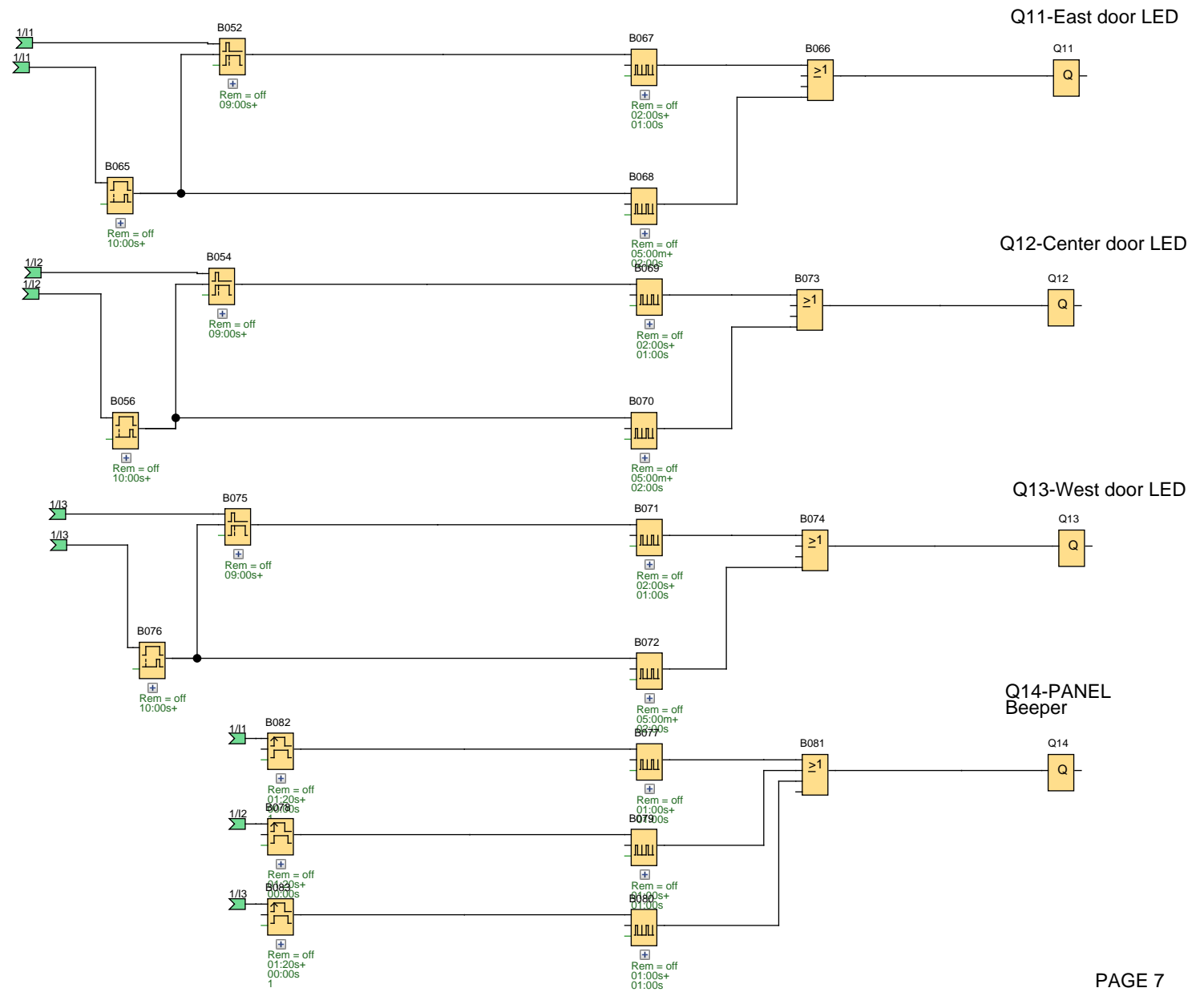
STA 5

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Sta 5 door indicator PANEL lights on "SMART" relay box

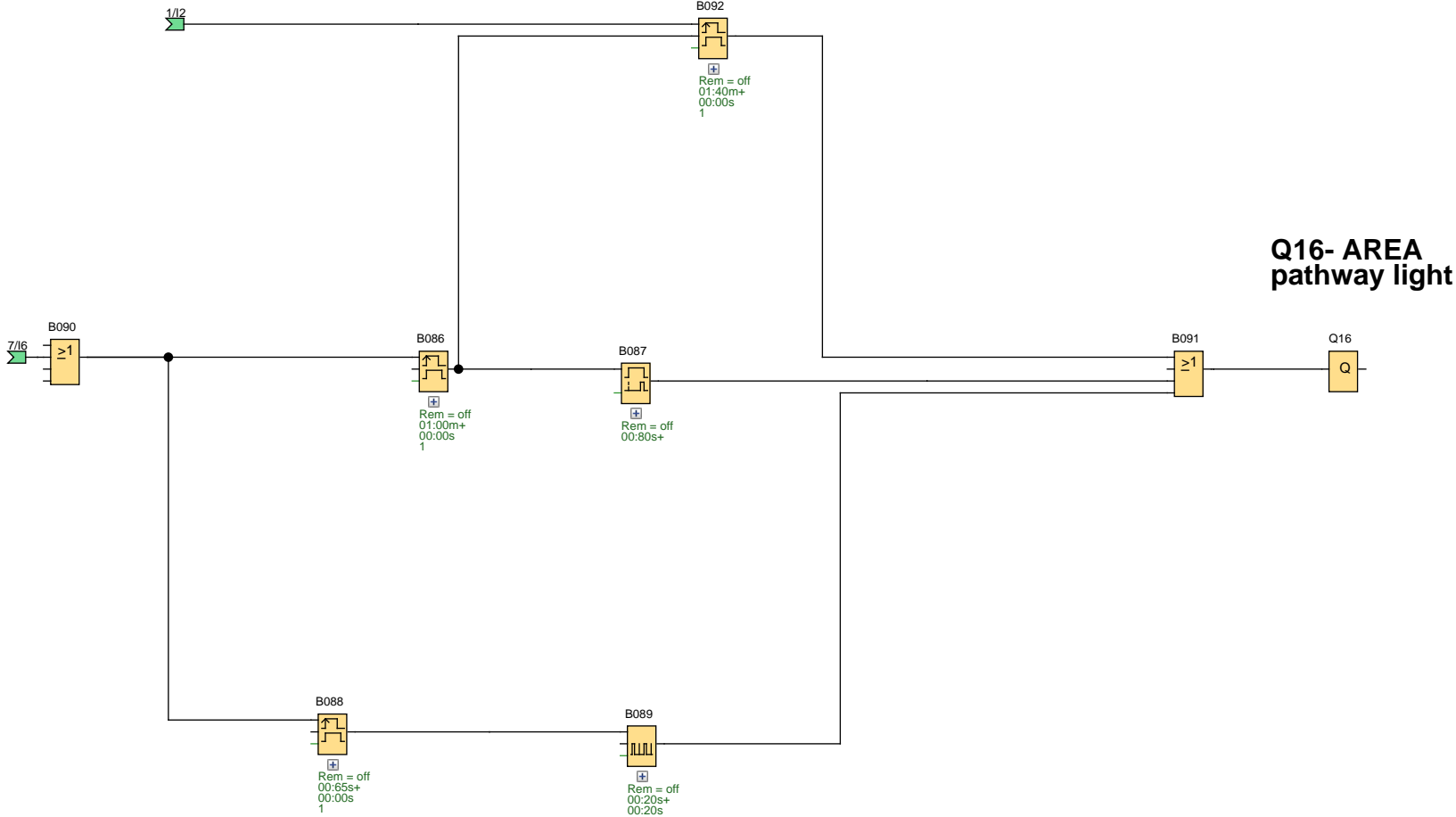


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STA 5

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AREA pathway LED light by the SMART box



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STA 5

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Block Number (Type)	Parameter
B001 buffer(On-delay) :	Rem = off 00:50s+
B002 buffer(On-delay) :	Rem = off 00:50s+
B003 buffer(On-delay) :	Rem = off 00:50s+
B009 Elts tmr(Edge-triggered interval time-delay relay) :	Rem = off 00:00m+ 00:00s 1
B010 Clts tmr(Edge-triggered interval time-delay relay) :	Rem = off 01:40m+ 00:00s 1
B011 Wlts tmr(Edge-triggered interval time-delay relay) :	Rem = off 00:00m+ 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 00:00m+ 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 00:00m+ 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 15:00s+ 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
B033(Edge-triggered interval time-delay relay) : this device sends a quick pulse to reset timer	Rem = off 00:10s+ 00:00s 1
B035 jng tmr(Edge-triggered interval time-delay relay) :	Rem = off 04:00s+ 00:00s 1

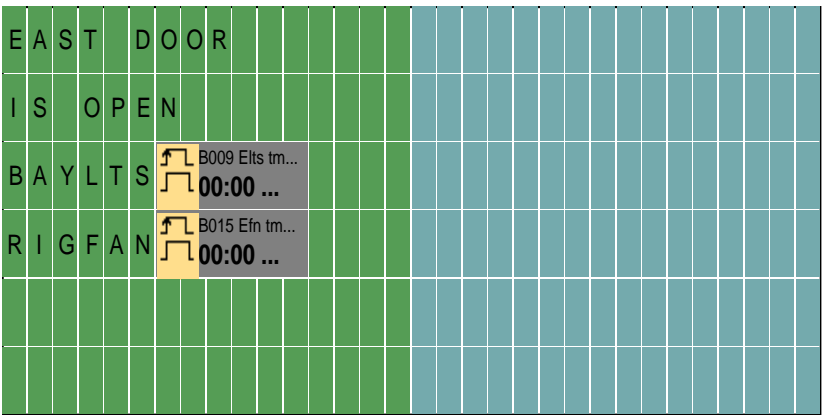
Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 5 drs va ms	Customer:	Denver Fire Department
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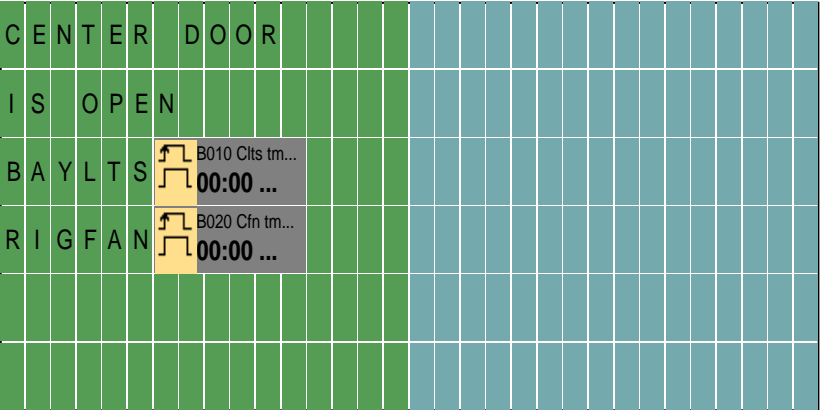
Block Number (Type)	Parameter
B037(Asynchronous pulse generator) :	Rem = off 03:00s+ 01:00s
B038 bckupelt(Edge-triggered interval time-delay relay) :	Rem = off 00:00m+ 00:00s 1
B039(On-delay) :	Rem = off 15:00s+
B040(Edge-triggered interval time-delay relay) :	Rem = off 00:00s+ 00:00s 1
B041(Asynchronous pulse generator) :	Rem = off 03:00s+ 01:00s
B042 buffer(On-delay) :	Rem = off 00:50s+
B043 drp tmr(Edge-triggered interval time-delay relay) :	Rem = off 05:00s+ 00:00s 1
B044 bckupclt(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B046 bckupwlt(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(Asynchronous pulse generator) :	Rem = off 20:00s+ 01:00s
B052(Off-delay) :	Rem = off 09:00s+
B054(Off-delay) :	Rem = off 09:00s+
B055(Edge-triggered interval time-delay relay) :	Rem = off 01:40m+ 00:00s 1
B056(On-delay) :	Rem = off 10:00s+
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 04:00s+
B061(Edge-triggered interval time-delay relay) :	Rem = off 20:00s+ 00:00s 1

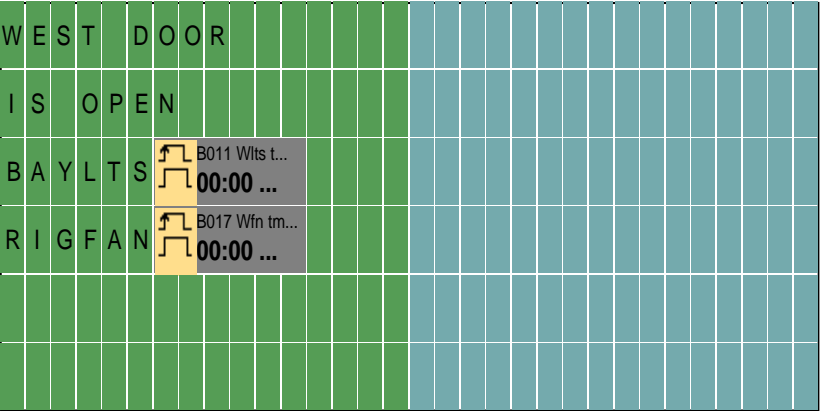
Block Number (Type)	Parameter
B062 epulse(Edge-triggered interval time-delay relay) :	Rem = off 00:50s+ 00:00s 1
B063 cpulse(Edge-triggered interval time-delay relay) :	Rem = off 00:50s+ 00:00s 1
B064 wpulse(Edge-triggered interval time-delay relay) :	Rem = off 00:00s+ 00:00s 1
B065(On-delay) :	Rem = off 10:00s+
B067(Asynchronous pulse generator) :	Rem = off 02:00s+ 01:00s
B068(Asynchronous pulse generator) :	Rem = off 05:00m+ 02:00s
B069(Asynchronous pulse generator) :	Rem = off 02:00s+ 01:00s
B070(Asynchronous pulse generator) :	Rem = off 05:00m+ 02:00s
B071(Asynchronous pulse generator) :	Rem = off 02:00s+ 01:00s
B072(Asynchronous pulse generator) :	Rem = off 05:00m+ 02:00s
B075(Off-delay) :	Rem = off 09:00s+
B076(On-delay) :	Rem = off 10:00s+
B077(Asynchronous pulse generator) :	Rem = off 01:00s+ 01:00s
B078(Edge-triggered interval time-delay relay) :	Rem = off 01:20s+ 00:00s 1
B079(Asynchronous pulse generator) :	Rem = off 01:00s+ 01:00s
B080(Asynchronous pulse generator) :	Rem = off 01:00s+ 01:00s
B082(Edge-triggered interval time-delay relay) :	Rem = off 01:20s+ 00:00s 1
B083(Edge-triggered interval time-delay relay) :	Rem = off 01:20s+ 00:00s 1
B084(Retentive on-delay) :	Rem = off 02:00m+
B085(Off-delay) :	Rem = off 05:00s+
B086(Edge-triggered interval time-delay relay) :	Rem = off 01:00m+ 00:00s 1

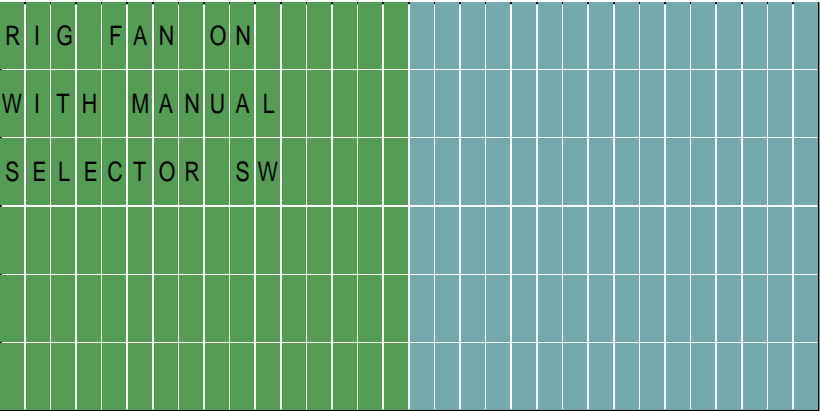
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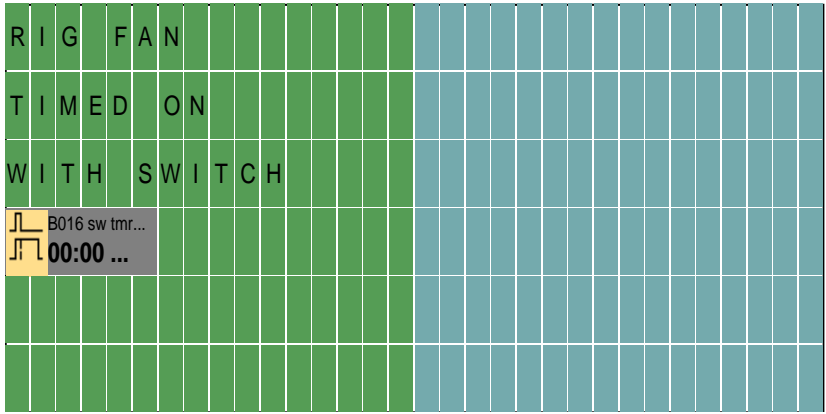
Block Number (Type)	Parameter					
B087(On-delay) :	Rem = off 00:80s+					
B088(Edge-triggered interval time-delay relay) :	Rem = off 00:65s+ 00:00s 1					
B089(Asynchronous pulse generator) :	Rem = off 00:20s+ 00:20s					
B092(Edge-triggered interval time-delay relay) :	Rem = off 01:40m+ 00:00s 1					
B094(On-delay) :	Rem = off 07:00s+					
B095(On-delay) :	Rem = off 07:00s+					
B096(Edge-triggered interval time-delay relay) :	Rem = off 00:10s+ 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					
B100(Edge-triggered interval time-delay relay) :	Rem = off 10:00s+ 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					
B103(Edge-triggered interval time-delay relay) :	Rem = off 10:00s+ 00:00s 1					
B104 mstrcnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0					
B105 mstpnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0					
B106(Edge-triggered interval time-delay relay) :	Rem = off 00:15s+ 00:00s 1					
B107 Edrcnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0					
B108 Cdrnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0					
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Block Number (Type)	Parameter
B109 Wdrcnt(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
B114 cdropncn(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B115(Astronomical clock) :	Lot: W104°56'8"+ Lat: N39°41'54" TZ: -7 Sunrise offset: 20 Sunset offset: -20
B116 jingcnt(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

Block Number (Type)	Parameter
<p>B119 Cdrmsg(Message texts) :</p>  <p>Line3.7 B010 Clts tmr-THRest Line4.7 B020 Cfn tmr-THRest</p>	<p>Prio = 1 Quit = off Text1: enabled Text2: disabled</p> <p>Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N</p> <p>Message Destination - Both</p>

<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: N - Line3: N - Line4: N - Line5: N - Line6: N</p> <p>Message Destination - Both</p>
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<p>B121(Message texts) :</p> 	<p>Prio = 3 Quit = off Text1: enabled Text2: disabled</p> <p>Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N</p> <p>Message Destination - Both</p>
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Block Number (Type)	Parameter
<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: N - Line3: N - Line4: N - Line5: N - Line6: N</p> <p>Message Destination - Both</p>

I1(Input) : I1-EAST DOOR	
I2(Input) : I2-CENTER DOOR	
I3(Input) : I3-WEST DOOR	
I4(Input) : I4-Ex fan selector sw "on", and Shut off / resets	
I5(Input) : I5-EX fan selector sw timed	
I6(Input) : I6-VOCALARM	
I7(Input) : From center door receiver relay	
I8(Input) : I8-Mach Start	
I9(Input) : I9-Mach Stop	
I10(Input) : I10-Jingler pushbutton	
I11(Input) : I11	
Q1(Output) : Q1-APP BAY, dorm lights. Pulse "ON"	
Q2(Output) : Q2-APP BAY, dorm lights. Pulse "off"	
Q6(Output) : To Input #1 on shot clock electronics, starts the counting and needs held	
Q7(Output) : RESET	
Q8(Output) : Q8	

Block Number (Type)	Parameter
Q10(Output) : Q10-JINGLER	
Q11(Output) : Q11-East door LED	
Q12(Output) : Q12-Center door LED	
Q13(Output) : Q13-West door LED	
Q14(Output) : Q14-PANEL Beeper	
Q15(Output) : Q15	
Q16(Output) : Q16- AREA pathway light	

Creator:	John Ledbetter	DFD Lineshop	Project:	Sta 5 drs va ms	Customer:	Denver Fire Department
Checked:	5-23-22		Installation:	Sta 5 drs va ms	Diagram No.:	3
Date:	9/12/16 9:56 AM/6/10/22 8:30 AM		File:	Sta 5 drs va ms 5-24-22.lsc	Page:	26 / 28

Connection	Label
I1	
I2	
I3	
I4	
I5	
I6	
I7	
I8	
I9	
I10	
I11	
M1	
M2	
M3	
M4	
M5	
M6	
M7	
M9	
M10	
M11	
M12	
M13	
M14	
M15	
M16	
M17	
M18	
M19	

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Connection	Label
Q1	
Q2	
Q4	
Q5	
Q6	
Q7	
Q8	
Q9	
Q10	
Q11	
Q12	
Q13	
Q14	
Q15	
Q16	

