

Comment

6-6-19 found out you cannot turn "ON" Q3 (rig hose fan) and Q4 (whole bay fan) at the exact same time, they cancel each other on Plymovent controls, need a bit of delay between
The whole bay fan and rig hose need to come "on" together quickly at some point or fumes will backup in bay, because duct work is poorly designed.
8-8-19 the east rear garage door is constantly being used as a man door, thus activating entire exhaust, so tweak, to get only rear door remotes to trip exhaust system and not wall door buttons. also rear door was going up 6" and stopping now and then, so add pulse
10-15-19 reset all counts to zero and redwnlded
10-15-19 lowered ex fan times cause winter cold
5-6-20 counts read frwdrc 1203, frntedr 487, backwdr 1338, backedr 609, wh fan cnt 1956, whbayexfan 53hr 33m, manonig 0, mantmdrig 0, wholebay 1941, yhosecr 1952, aesoutcnt 34, wdrremcn 1611, yelexfanhrs 34h 3m, yelexfancn 1972, rdwnld, save to card, AES counts maybe someone turning on yellow fan alone??
5-13-20 redwnld, ALL counts to zero
3-25-21 counters read, bck west drcntr 2126, backeastdrcntr 962, manonrigfansw 2, mantmdrigfan 1, yelhseexfanhrs 52:04, rigyelhseexfancnt 3035, wholebayexfanhrs 82:39, whbayexfancnt 3012, aesoutcnt 88, yhsefncurrentcntr 2968, wholebay current cnt hours 2290:05, whlbycnt 2290 all counts reset to zero
9-13-21 . downloaded prgrm and lost all counters counts, All cnts zero.
2-9-22 installed on city IP address, good online tests, counts read, frntwdr c 704, frnte dr 257, backw dr 862, backe dr 410, garsndtrg 2180whfancnt 1201, whbyexfan 32 hr 10m, man on ri 0, mantmd ri 0, wholebay 1192, yhosefncr 1186, aesoutcn 27, wdrremote 1097, yeexfanhrs 20hr 41min, yelexfanc 1204, whbycncnt 52hr 19min, yellocurr 46hr 30 min, lost all door alert counts because not labeled till now
2-10-22 redwnlded with tweaks, all counts to zero

Creator:	JBL	DFD Lineshop	Project:	Sta 39 doors	Customer:	Denver Fire Department
Checked:	2-10-22		Installation:	New build	Diagram No.:	1
Date:	3/14/13 2:25 PM/6/10/22 9:27 AM		File:	Sta 39 Drs 2-9-22.lsc	Page:	1 / 31

Module Address

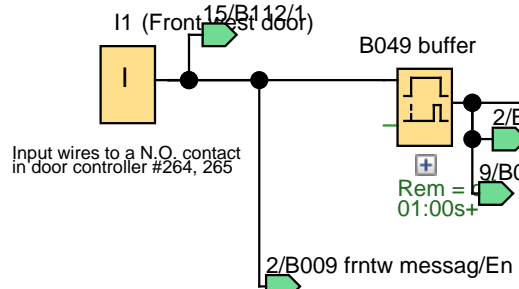
IP Address 10.126.164.165
Subnet Mask: 255.255.255.240
Default gateway 10.126.164.161

Creator:	JBL	DFD Lineshop	Project:	Sta 39 doors	Customer:	Denver Fire Department
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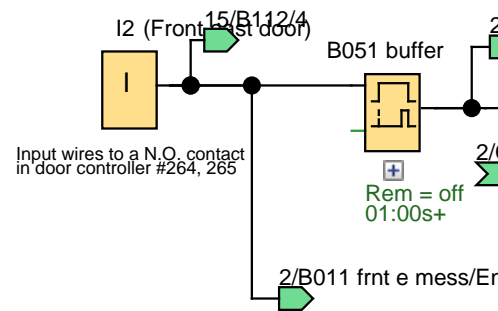
Station 39 Door controls, FL1F used ver 8.0 believe it is FS04 type 2-10-22

IP address 10.126.164.165
 subnet 255.255.255.240
 gateway 10.126.164.161

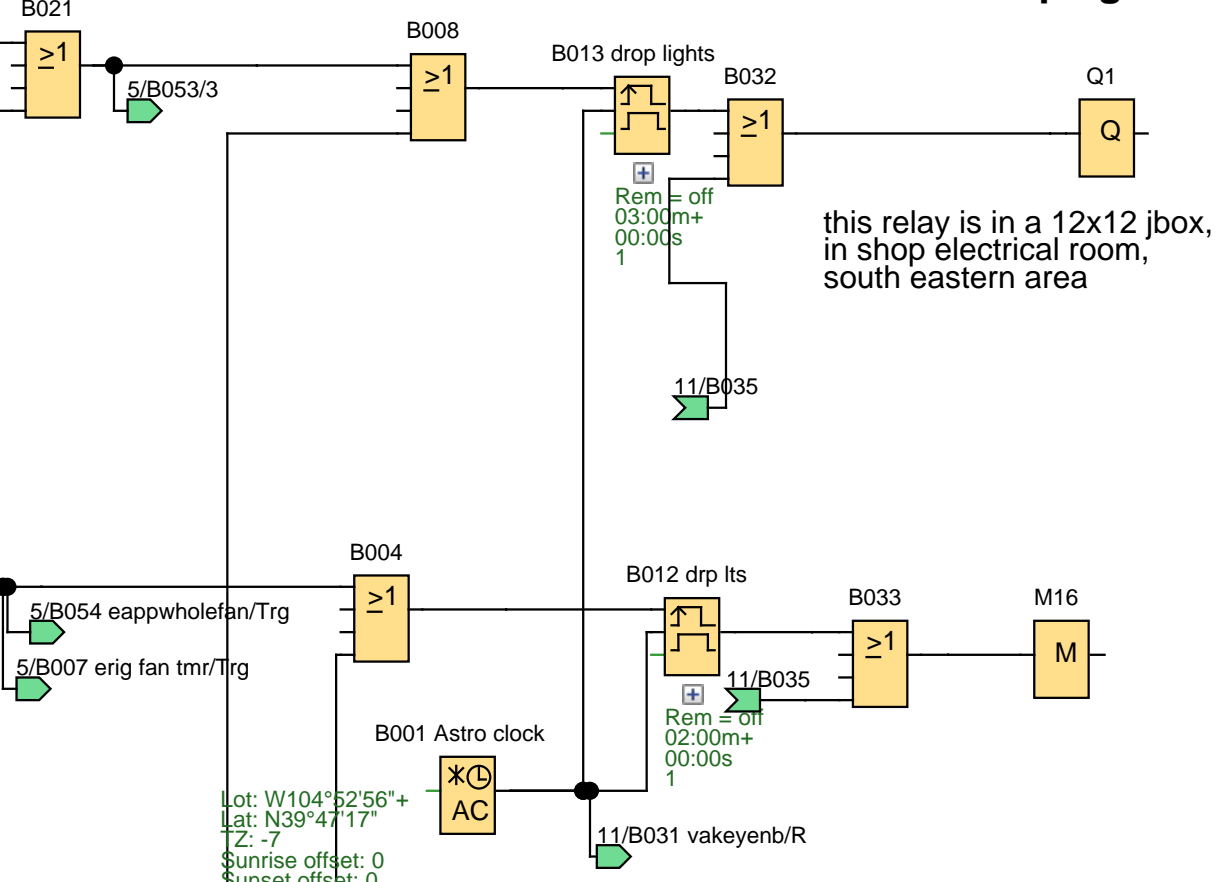
I1-Front west door



I2-Front east door



Q1 App bay Drop lights



Lot: W104°52'56"+
 Lat: N39°47'17"
 Z: -7
 Sunrise offset: 0
 Sunset offset: 0

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Sta 39

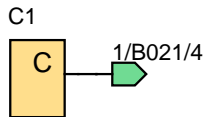
COUNTING SECTION

Front west door count

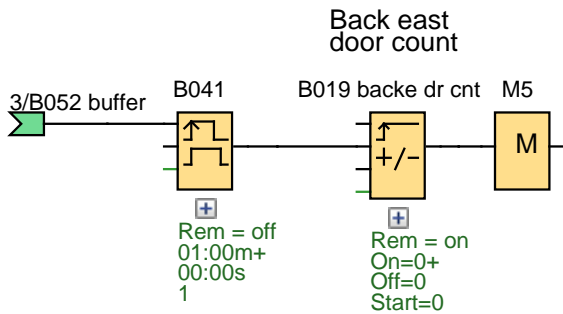
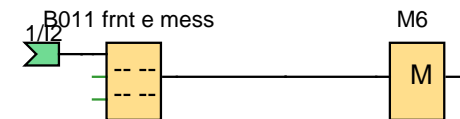
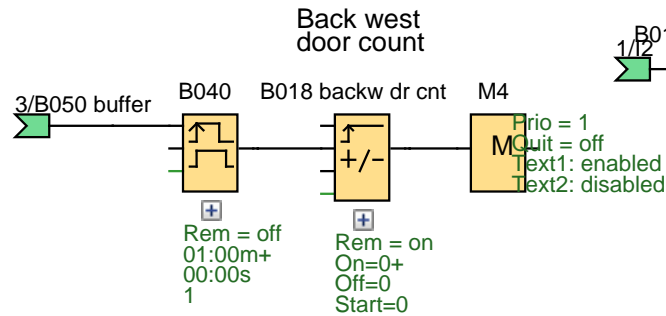
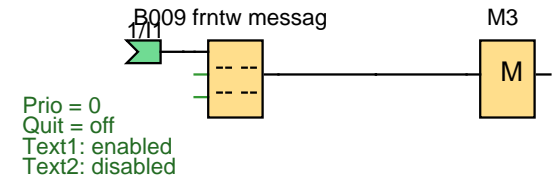
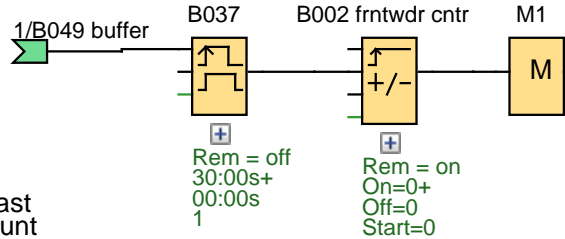
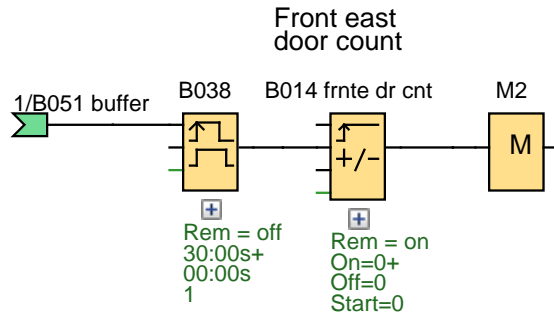
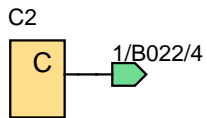
MESSAGE SECTION

CURSOR SECTION

Simulates front east door opening



Simulates front center door opening

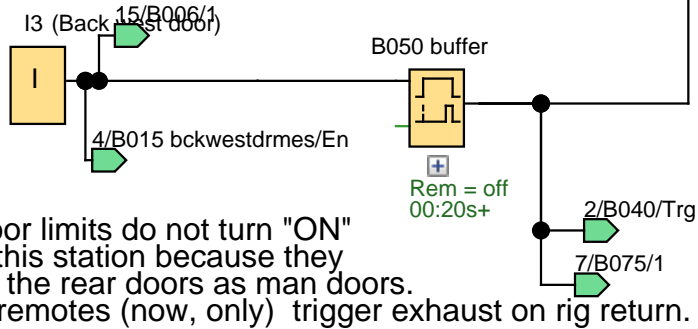


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Sta 39

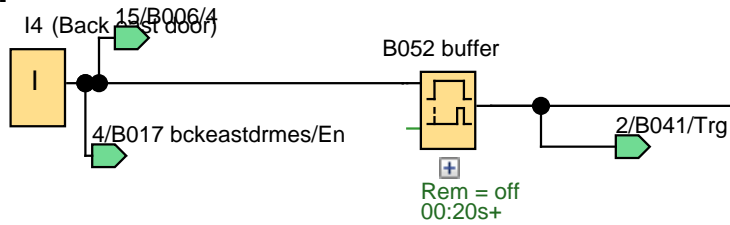
APP BAY LIGHT SECTION

I3 Back west door-limit switch



These back door limits do not turn "ON" rig exhaust at this station because they constantly use the rear doors as man doors. The rear door remotes (now, only) trigger exhaust on rig return.

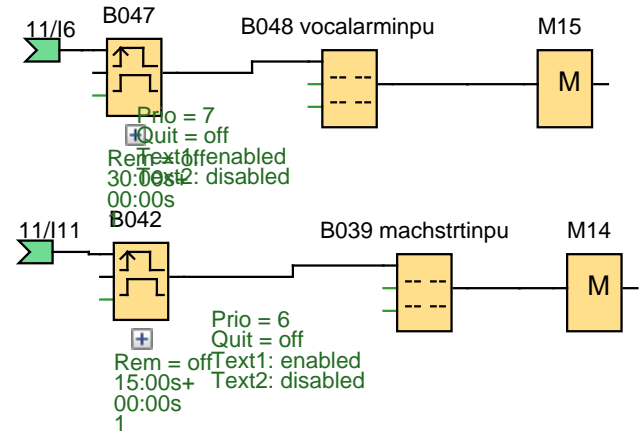
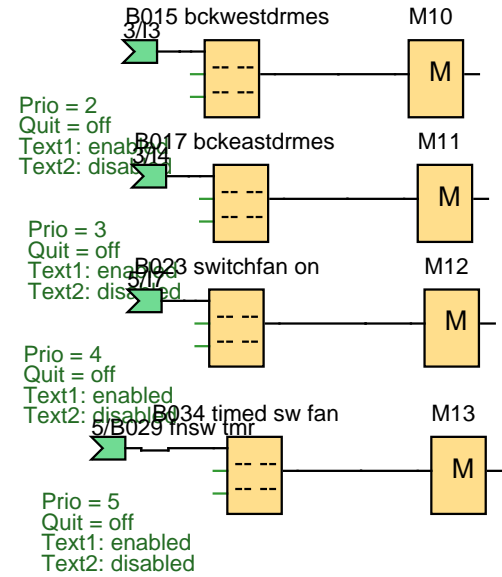
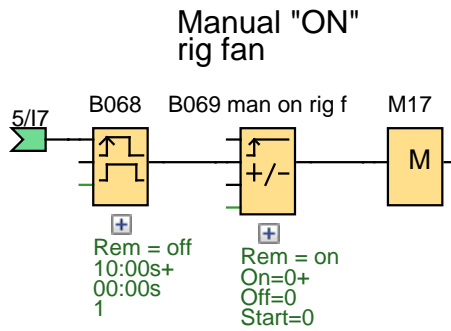
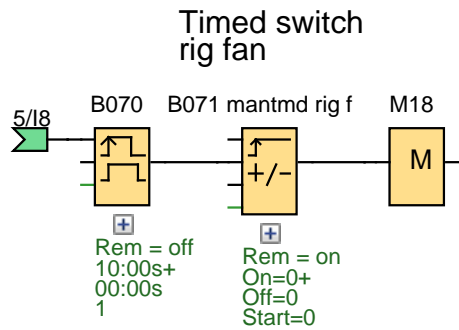
I4 Back east door-Limit switch



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Sta 39

COUNTING SECTION

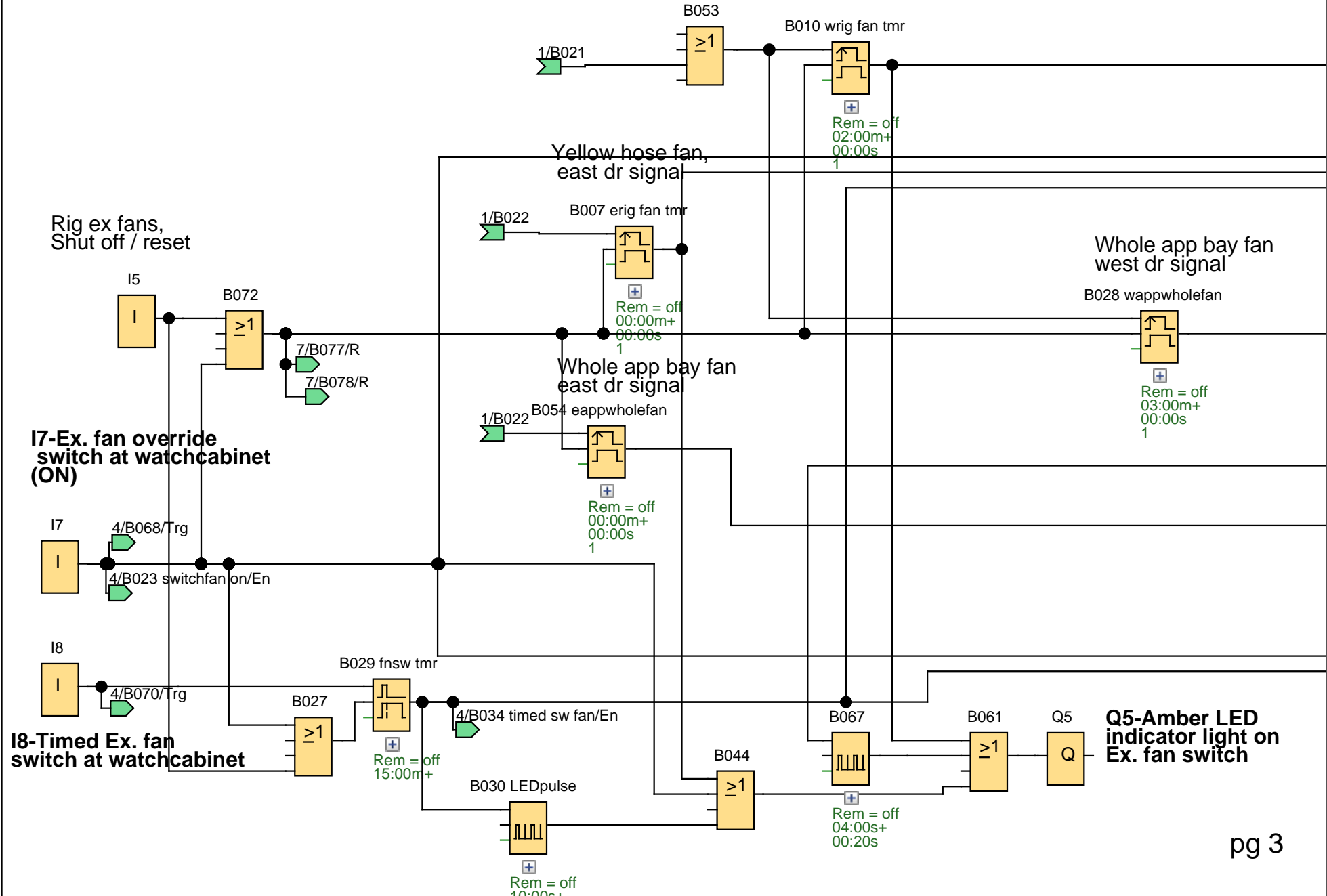


Creator:	JBL	Project:	Sta 39 doors	Customer:	Denver Fire Department
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Sta 39 Rig ex. fan section

Yellow hose fan, west dr signal

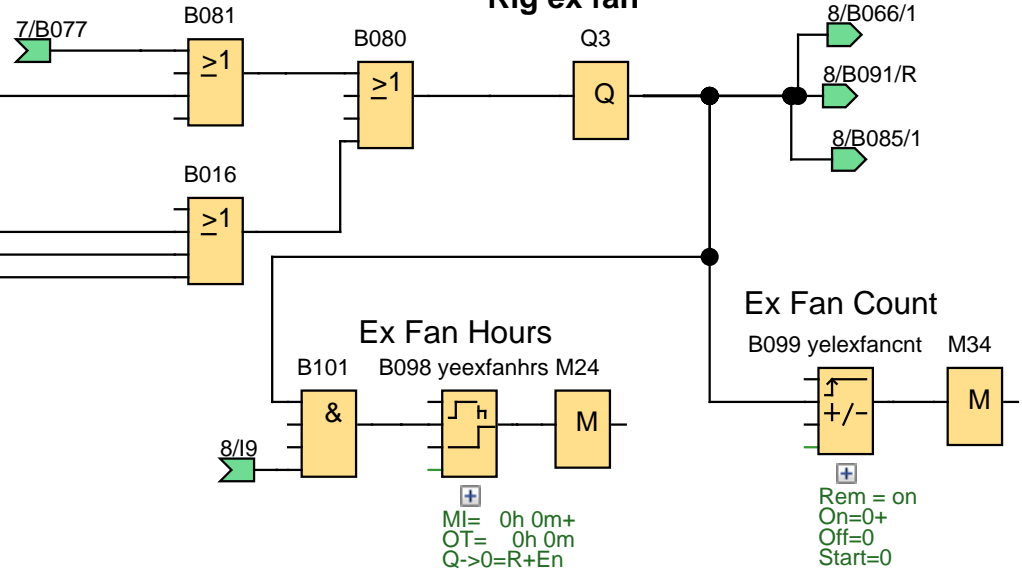
Both Rig hose fan and whole bay fans must come "ON" because of the way the louvres and vents are designed. Otherwise fumes will build up in bay!!!



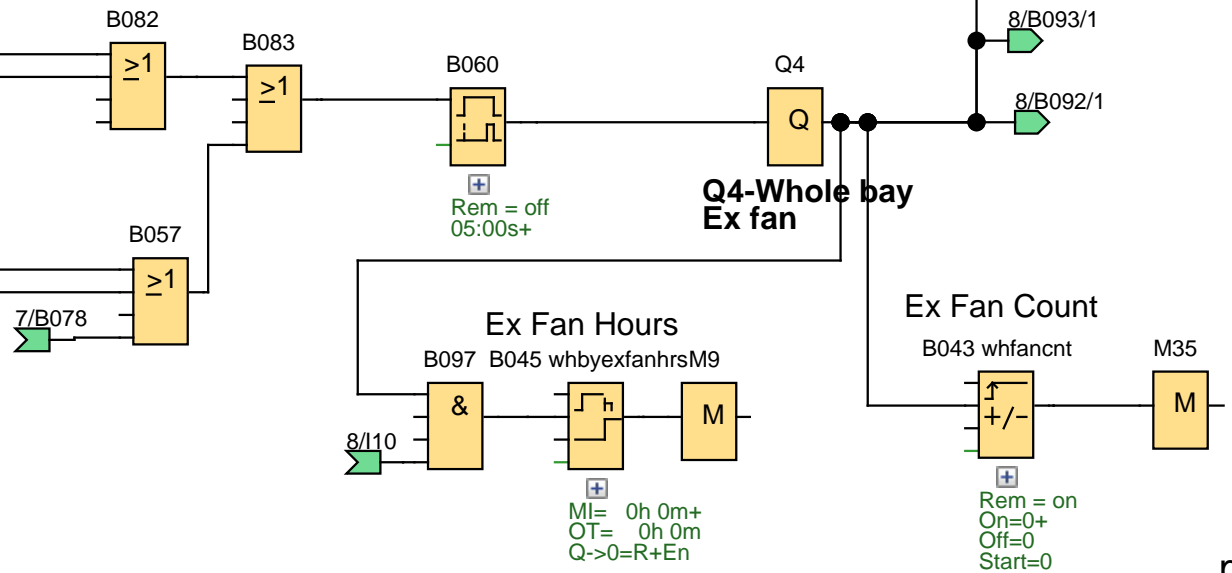
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Checked:	2-10-22	Installation:	New build	Diagram No.:	1
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Q3 and Q4 cannot be turned "ON" simultaneously, they cancel each other

Q3-Yellow hose Rig ex fan



Q4-Whole bay Ex fan



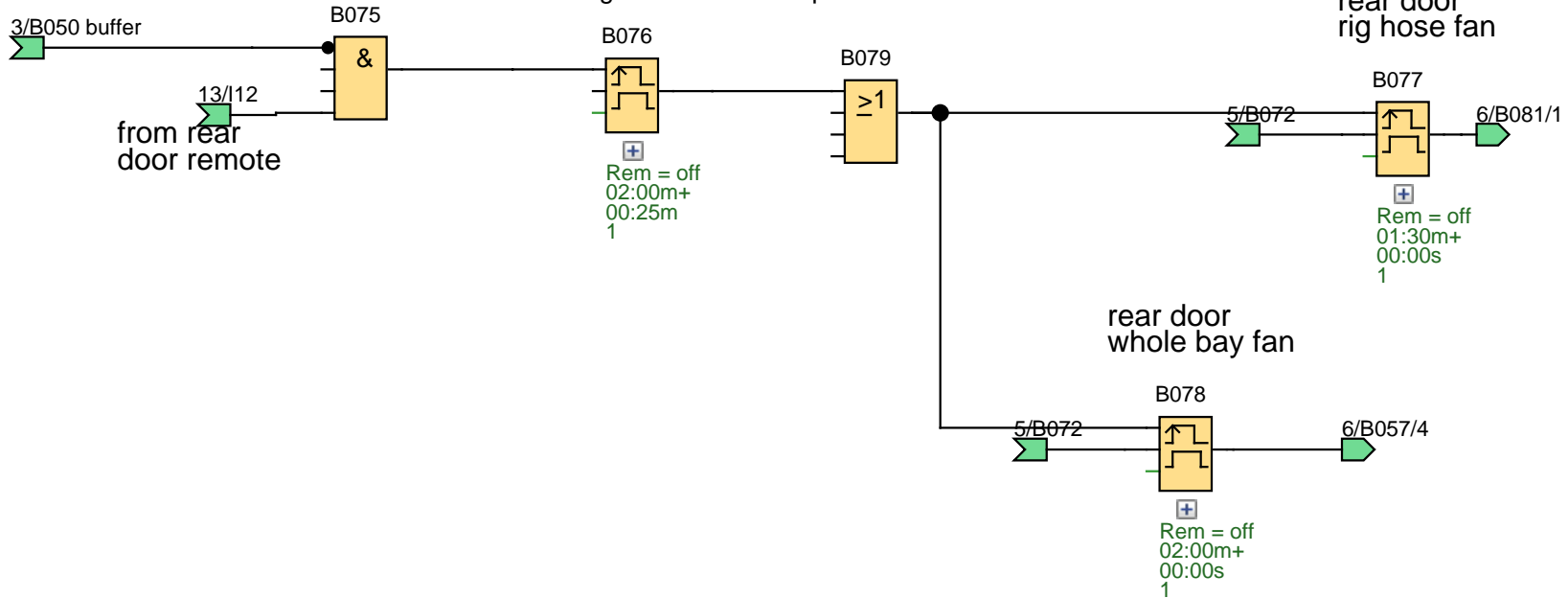
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Checked:	2-10-22		Installation:	New build	Diagram No.:	1
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Sta 39 rear door rig exhaust

with rear door, fans only come
"ON" with door remote
NOT wall door buttons

this "&" block only triggers
exhaust when rear door is closed

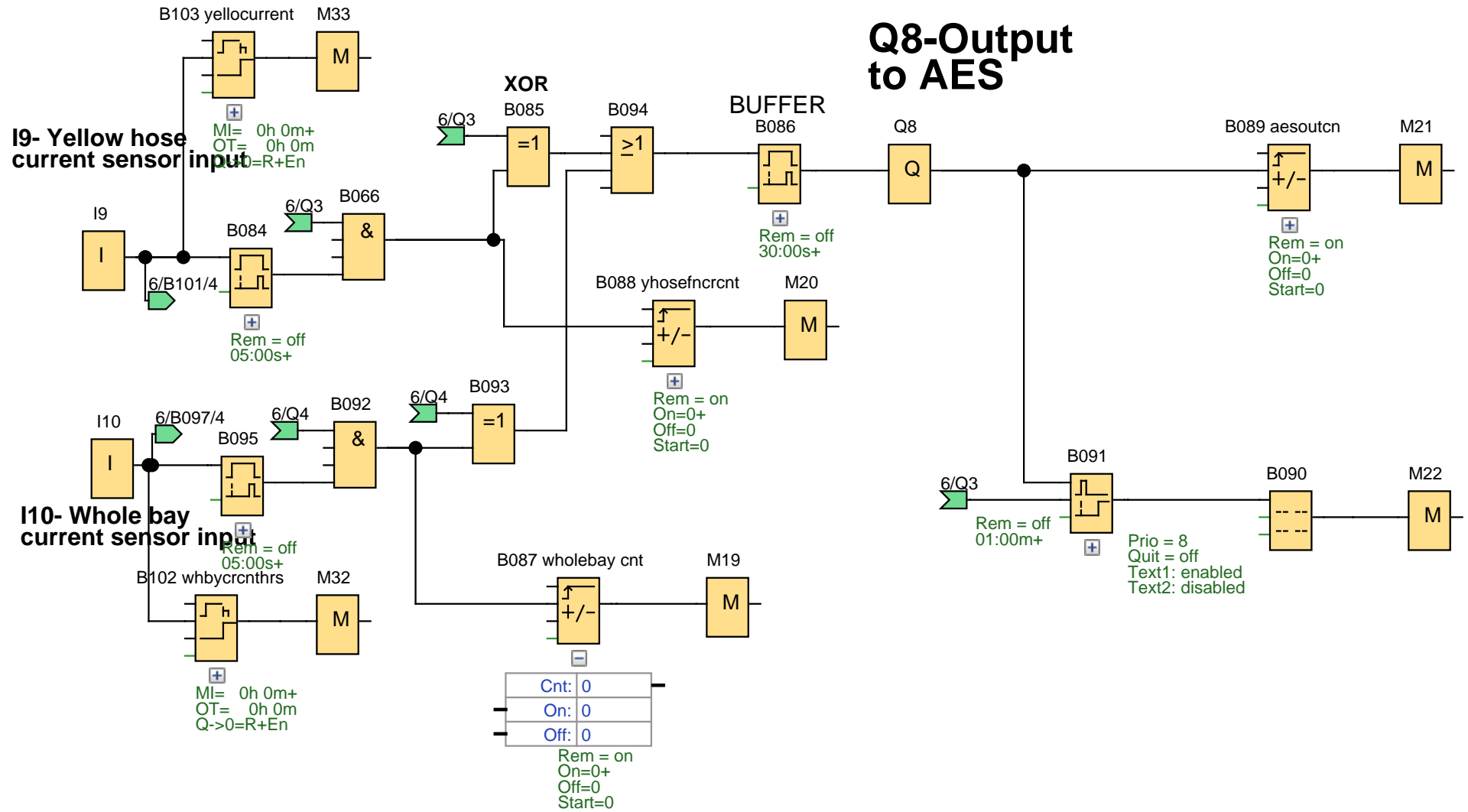
this timer delays exhaust motors
coming "ON" for a more precision use.



Creator:	JBL	DFD Lineshop	Project:	Sta 39 doors	Customer:	Denver Fire Department
Checked:	2-10-22		Installation:	New build	Diagram No.:	1
Date:	3/14/13 2:25 PM/6/10/22 9:27 AM		File:	Sta 39 Drs 2-9-22.lsc	Page:	9 / 31

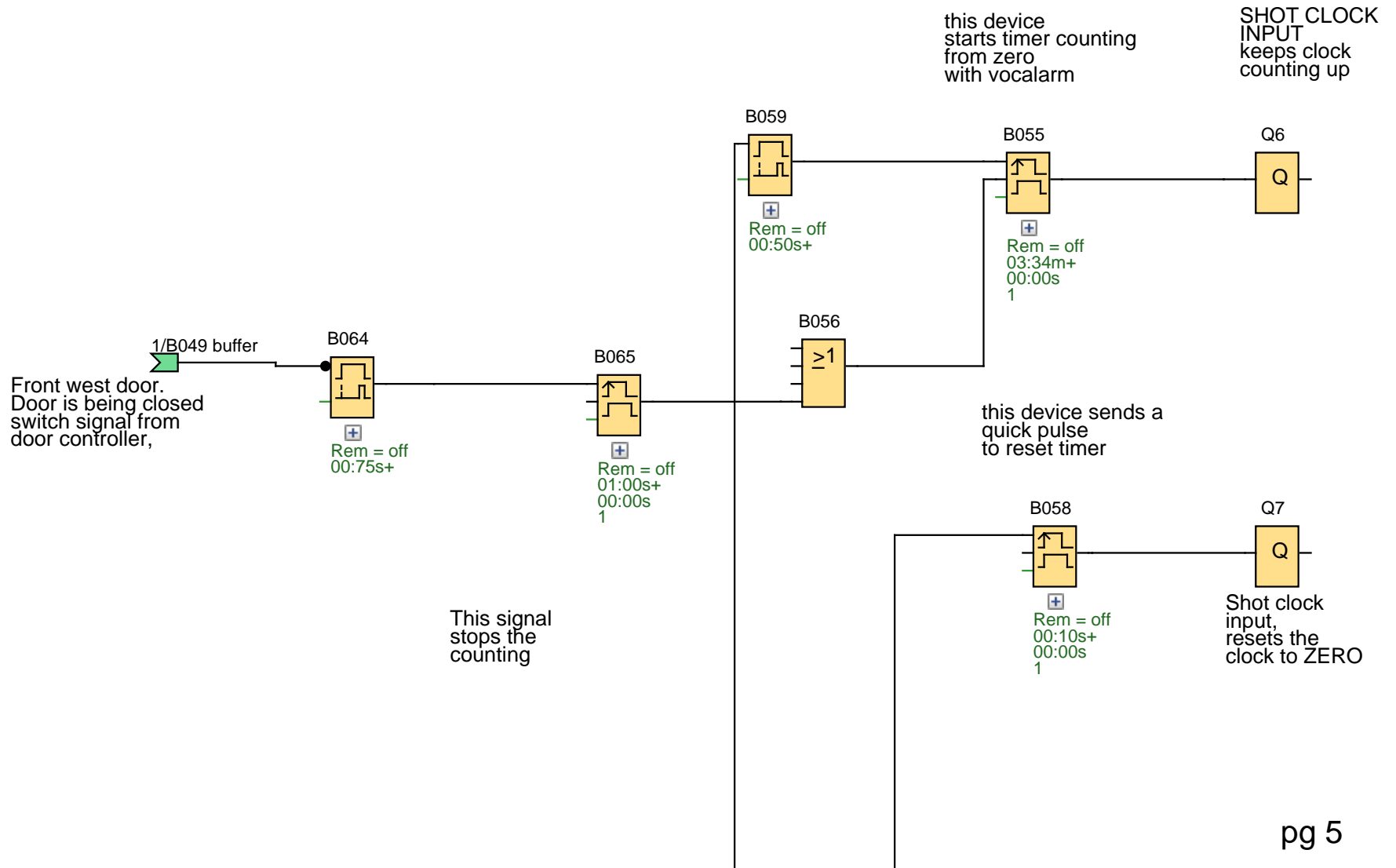
Sta 39

AES/RIG FAN SECTION ,
this tells if "calling for" two rig fans
and two rig fans currents is
being produced at the same time



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	DFD Lineshop				

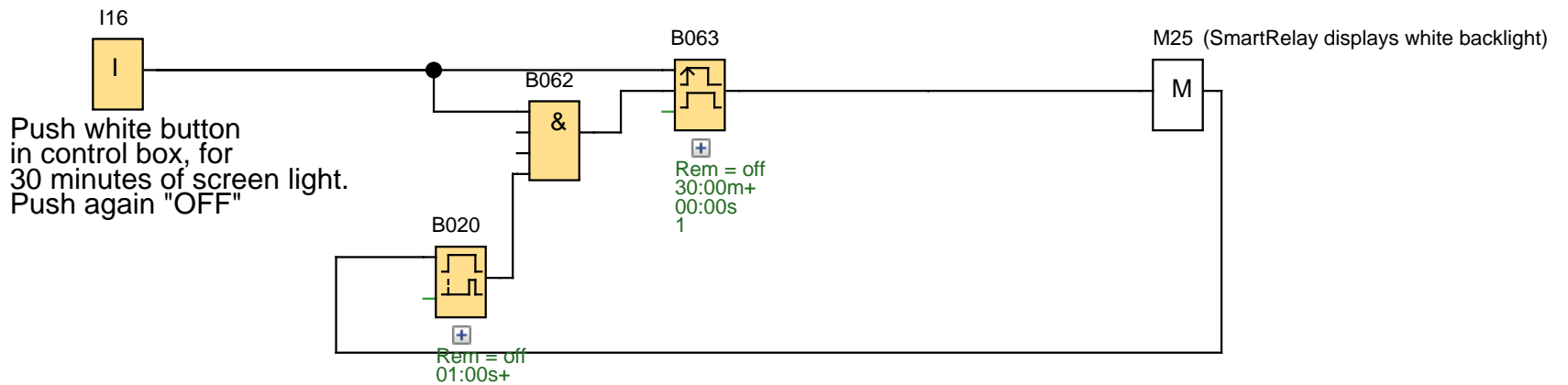
Sta 39 BLUE SHOT CLOCK SECTION



Creator:	JBL	DFD Lineshop	Project:	Sta 39 doors	Customer:	Denver Fire Department
Checked:	2-10-22		Installation:	New build	Diagram No.:	1
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Sta 39

I16- SMART RELAY
display screen light

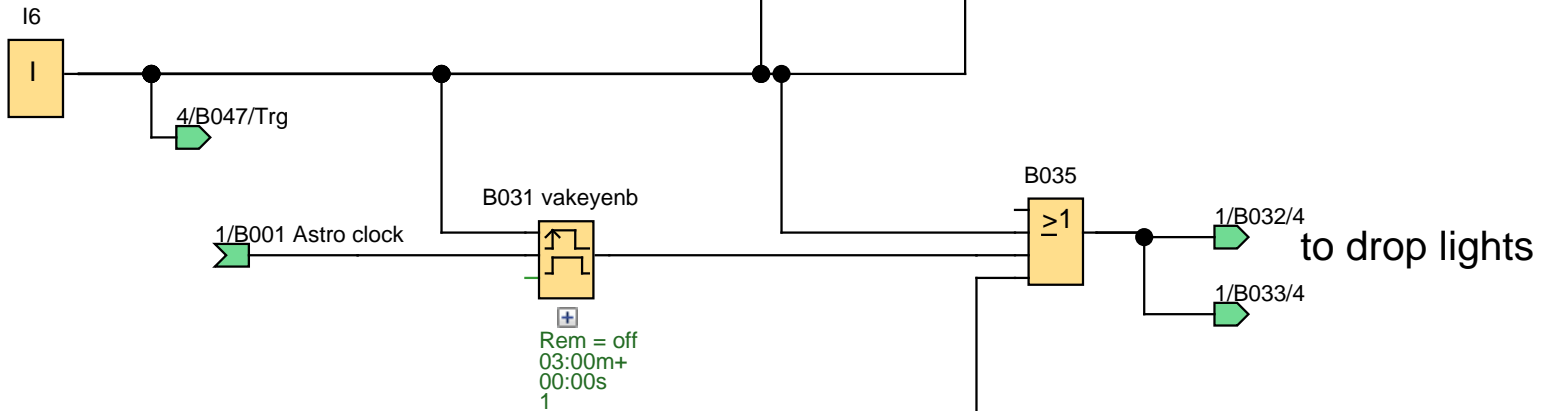


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	DFD Lineshop				

Sta 39

Section of other sources of influence on drop lights

I6- Vocalarm house key



I11-From Mach start drop lights output

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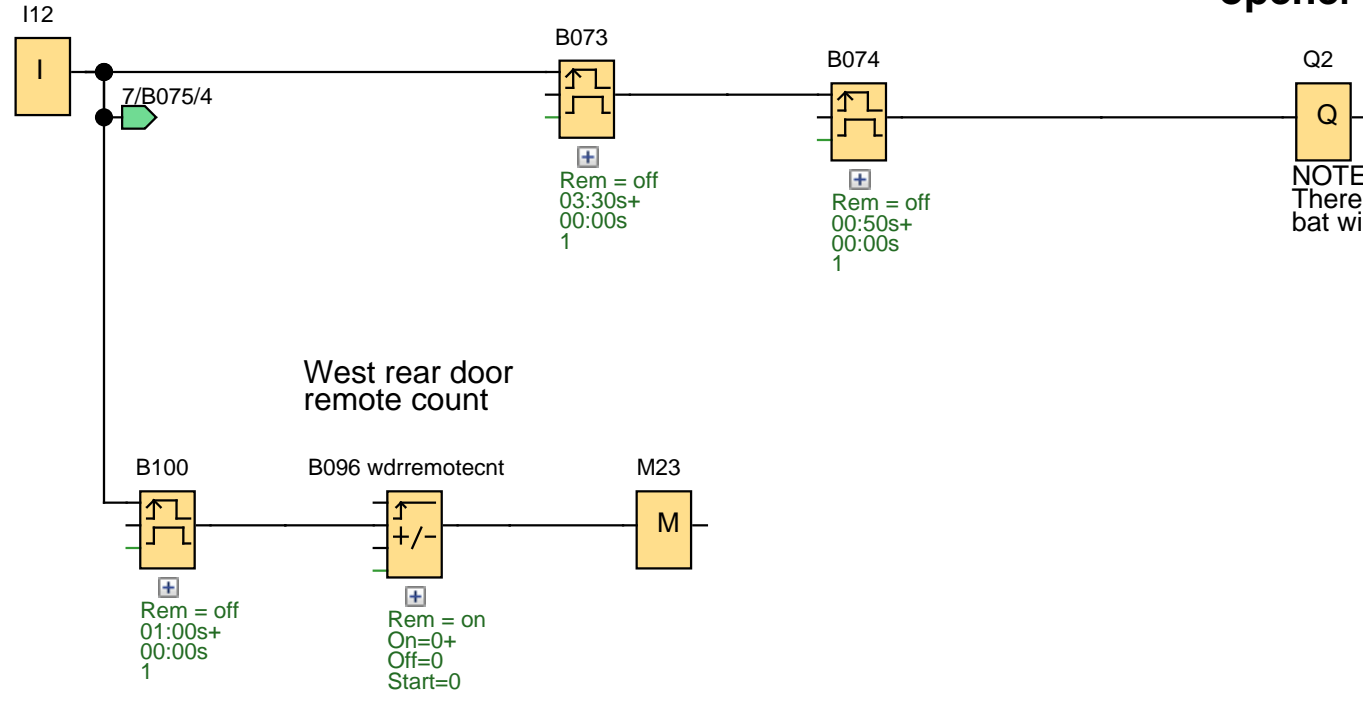
Creator:	JBL	DFD Lineshop	Project:	Sta 39 doors	Customer:	Denver Fire Department
Checked:	2-10-22		Installation:	New build	Diagram No.:	1
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Sta 39 rear door pulse

WHY THIS?? because.....
 these 2 timer blocks filter
 the remote, so if engineer pushes remote
 contantly or repeatedly, it still gives one short pulse.
 This helps door opener be more consistent.

**I12- WEST REAR
 DOOR REMOTE**

**Q2-to west rear door
 opener pulse**



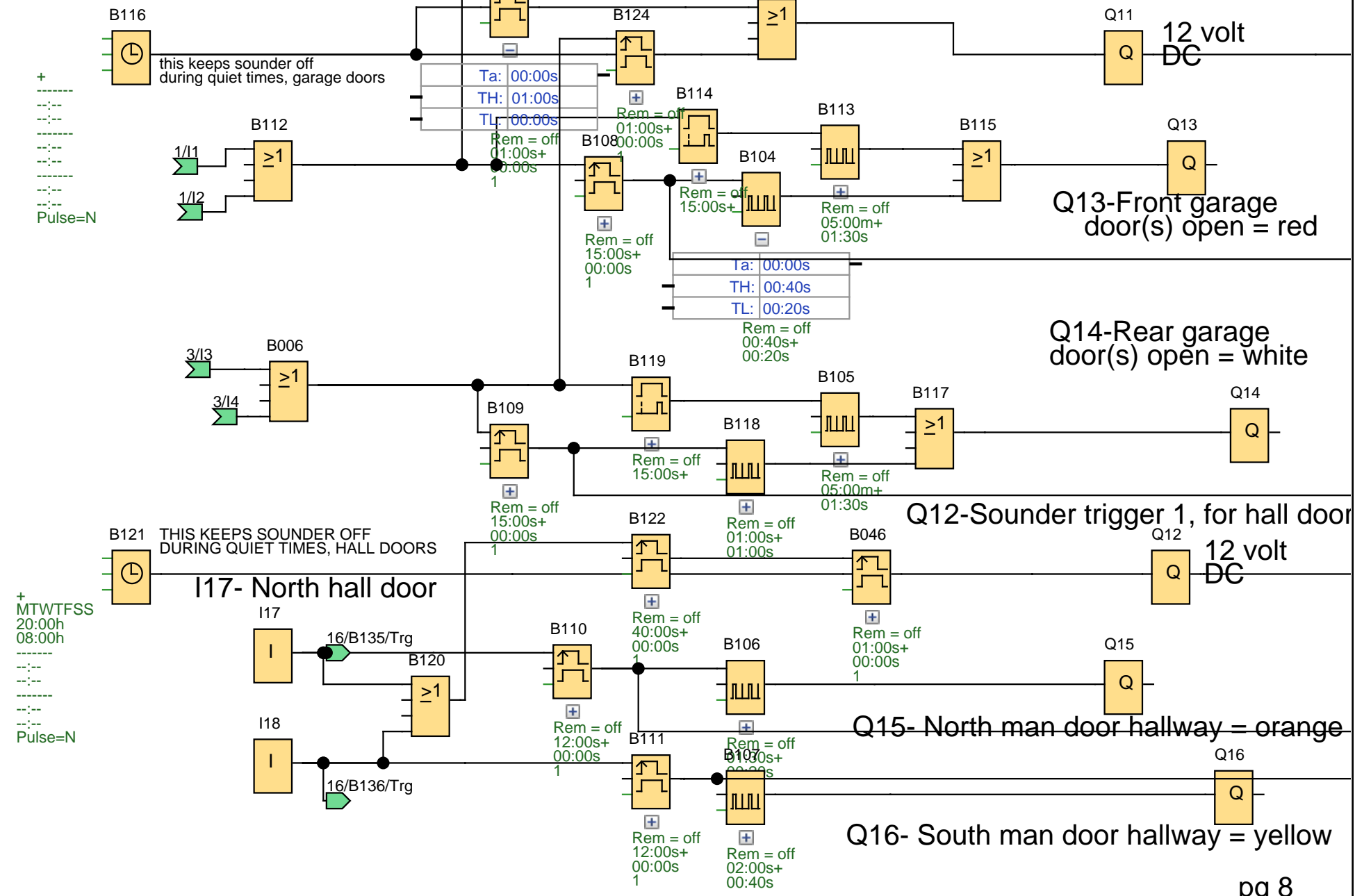
NOTE:
 There is no receiver pulse on
 bat wing doors up front.

West rear door
 remote count

Creator:	JBL	DFD Lineshop	Project:	Sta 39 doors	Customer:	Denver Fire Department
Checked:	2-10-22		Installation:	New build	Diagram No.:	1
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Creator:	JBL	DFD Lineshop	Project:	Sta 39 doors	Customer:	Denver Fire Department
Checked:	2-10-22		Installation:	New build	Diagram No.:	1
Date:	3/14/13 2:25 PM/6/10/22 9:27 AM		File:	Sta 39 Drs 2-9-22.lsc	Page:	16 / 31

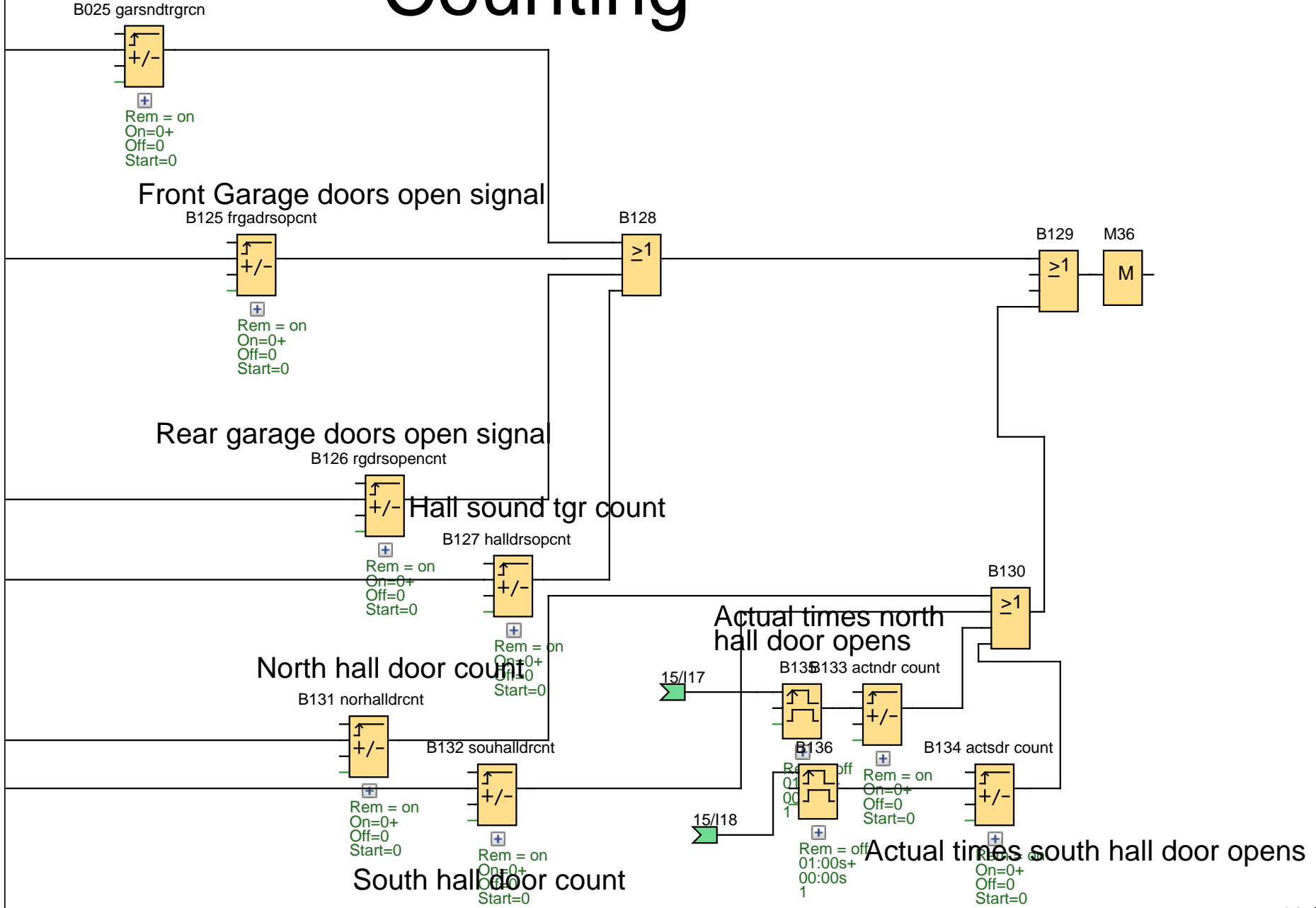
Door open warning system 10-13-21



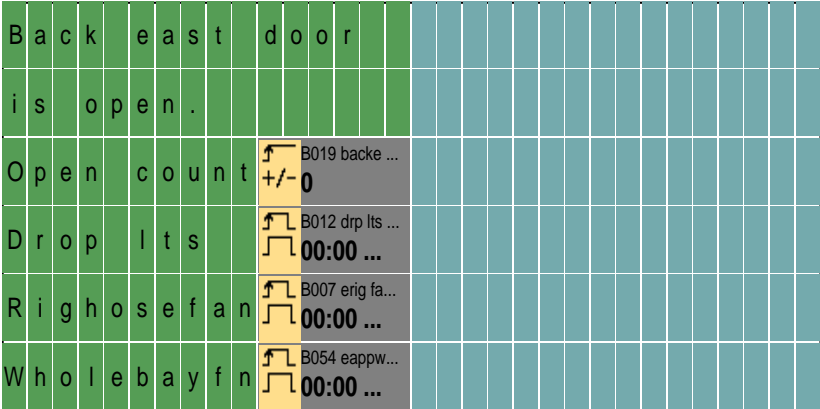
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Checked:	2-10-22		Installation:	New build	Diagram No.:	1
Date:	3/14/13 2:25 PM/6/10/22 9:27 AM		File:	Sta 39 Drs 2-9-22.lsc	Page:	17 / 31

Garage sound trgr count

Counting



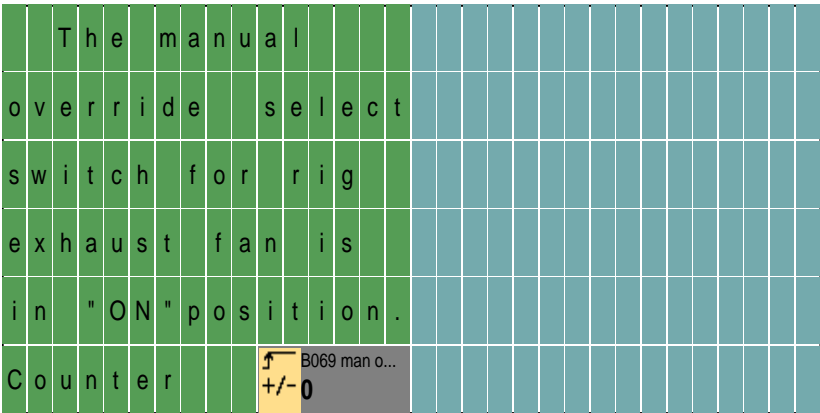
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Date:	3/14/13 2:25 PM/6/10/22 9:27 AM	DFD Lineshop	File:	Sta 39 Drs 2-9-22.lsc	Page:	18 / 31

Block Number (Type)	Parameter
B017 bckeastdrmes(Message texts) :  Line3.11 B019 backe dr cnt-Cnt Line4.11 B012 drp lts-THRest Line5.11 B007 erig fan tmr-THRest Line6.11 B054 eappwholefan-THRest	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

B018 backw dr cnt(Up/Down counter) : Back west door count	Rem = on On=0+ Off=0 Start=0
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B019 backe dr cnt(Up/Down counter) : Back east door count	Rem = on On=0+ Off=0 Start=0
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B020(On-delay) :	Rem = off 01:00s+
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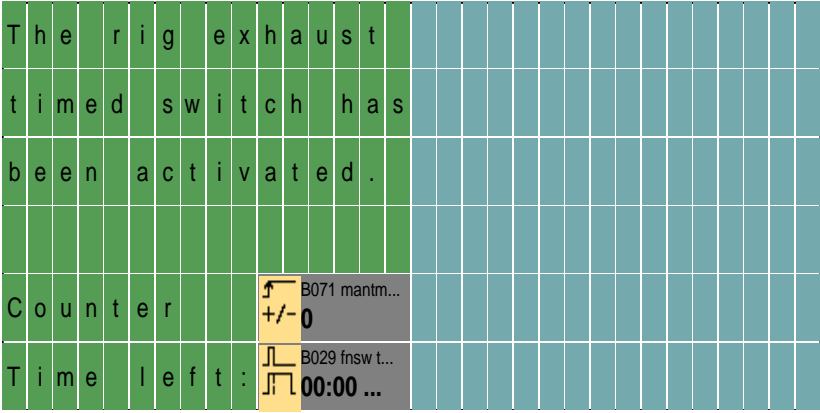
B023 switchfan on(Message texts) :  Line6.11 B069 man on rig f-Cnt	Prio = 4 Quit = off Text1: enabled Text2: disabled Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both
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B025 garsndtrgrcn(Up/Down counter) : Garage sound trgr count	Rem = on On=0+ Off=0 Start=0
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B028 wappwholefan(Edge-triggered interval time-delay relay) : Whole app bay fan west dr signal	Rem = off 03:00m+ 00:00s 1
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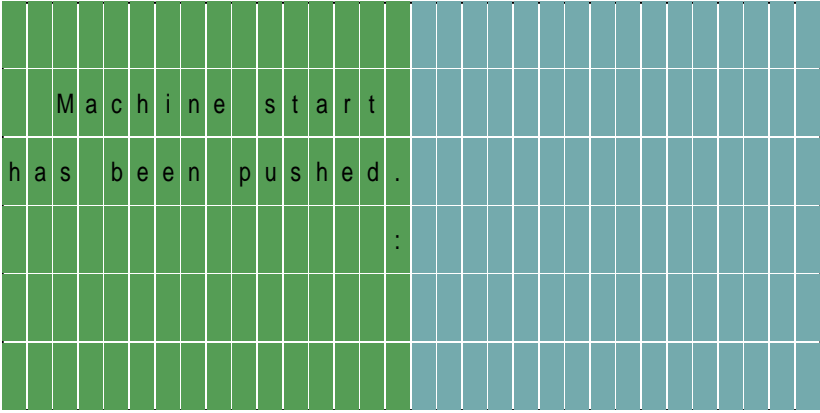
B029 fns w tmr(Off-delay) :	Rem = off 15:00m+
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Block Number (Type)	Parameter
B030 LEDpulse(Asynchronous pulse generator) :	Rem = off 10:00s+ 00:40s
B031 vakeyenb(Edge-triggered interval time-delay relay) :	Rem = off 03:00m+ 00:00s 1
B034 timed sw fan(Message texts) :  Line5.11 B071 mantmd rig f-Cnt Line6.11 B029 fnsw tmr-TRest	Prio = 5 Quit = off Text1: enabled Text2: disabled Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both

B037(Edge-triggered interval time-delay relay) :	Rem = off 30:00s+ 00:00s 1
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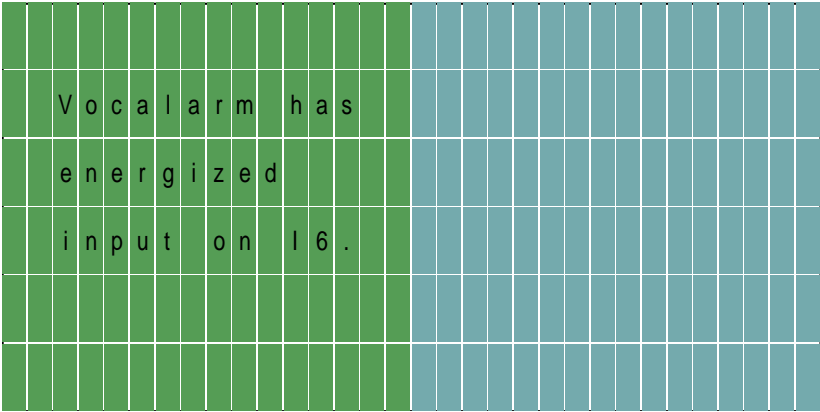
B038(Edge-triggered interval time-delay relay) :	Rem = off 30:00s+ 00:00s 1
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B039 machstrtinpu(Message texts) : 	Prio = 6 Quit = off Text1: enabled Text2: disabled Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both
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B040(Edge-triggered interval time-delay relay) :	Rem = off 01:00m+ 00:00s 1
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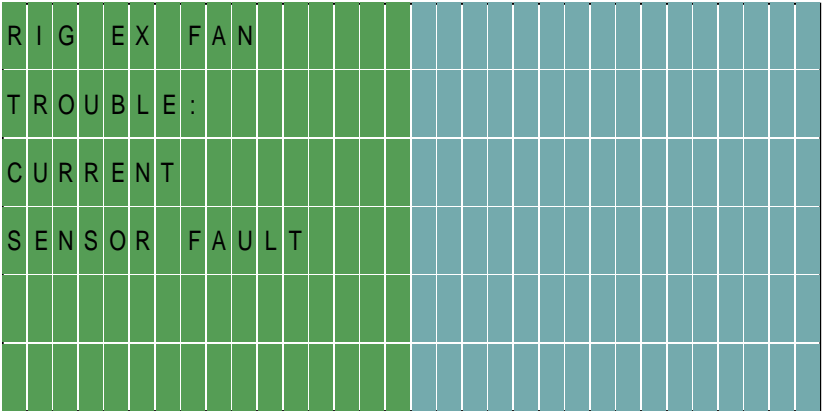
B041(Edge-triggered interval time-delay relay) :	Rem = off 01:00m+ 00:00s 1
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Block Number (Type)	Parameter					
B042(Edge-triggered interval time-delay relay) :	Rem = off 15:00s+ 00:00s 1					
B043 whfancnt(Up/Down counter) : Ex Fan Count	Rem = on On=0+ Off=0 Start=0					
B045 whyexfanhrs(Operating hours counter) : Ex Fan Hours	Ml= 0h 0m+ OT= 0h 0m Q->0=R+En					
B046(Edge-triggered interval time-delay relay) :	Rem = off 01:00s+ 00:00s 1					
B047(Edge-triggered interval time-delay relay) :	Rem = off 30:00s+ 00:00s 1					
B048 vocalarmipu(Message texts) : 	Prio = 7 Quit = off Text1: enabled Text2: disabled Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both					
B049 buffer(On-delay) :	Rem = off 01:00s+					
B050 buffer(On-delay) :	Rem = off 00:20s+					
B051 buffer(On-delay) :	Rem = off 01:00s+					
B052 buffer(On-delay) :	Rem = off 00:20s+					
B054 eappwholefan(Edge-triggered interval time-delay relay) : Whole app bay fan east dr signal	Rem = off 00:00m+ 00:00s 1					
B055(Edge-triggered interval time-delay relay) : this device starts timer counting from zero with vocalarm	Rem = off 03:34m+ 00:00s 1					
B058(Edge-triggered interval time-delay relay) : this device sends a quick pulse to reset timer	Rem = off 00:10s+ 00:00s 1					
B059(On-delay) :	Rem = off 00:50s+					
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Block Number (Type)	Parameter
B060(On-delay) :	Rem = off 05:00s+
B063(Edge-triggered interval time-delay relay) :	Rem = off 30:00m+ 00:00s 1
B064(On-delay) :	Rem = off 00:75s+
B065(Edge-triggered interval time-delay relay) :	Rem = off 01:00s+ 00:00s 1
B067(Asynchronous pulse generator) :	Rem = off 04:00s+ 00:20s
B068(Edge-triggered interval time-delay relay) :	Rem = off 10:00s+ 00:00s 1
B069 man on rig f(Up/Down counter) : Manual "ON" rig fan	Rem = on On=0+ Off=0 Start=0
B070(Edge-triggered interval time-delay relay) :	Rem = off 10:00s+ 00:00s 1
B071 mantmd rig f(Up/Down counter) : Timed switch rig fan	Rem = on On=0+ Off=0 Start=0
B073(Edge-triggered interval time-delay relay) :	Rem = off 03:30s+ 00:00s 1
B074(Edge-triggered interval time-delay relay) :	Rem = off 00:50s+ 00:00s 1
B076(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:25m 1
B077(Edge-triggered interval time-delay relay) : rear door rig hose fan	Rem = off 01:30m+ 00:00s 1
B078(Edge-triggered interval time-delay relay) : rear door whole bay fan	Rem = off 02:00m+ 00:00s 1
B084(On-delay) :	Rem = off 05:00s+
B086(On-delay) : BUFFER	Rem = off 30:00s+
B087 wholebay cnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B088 yhosefncrcnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0

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Block Number (Type)	Parameter
B089 aesoutcn(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B090(Message texts) : 	Prio = 8 Quit = off Text1: enabled Text2: disabled Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both
B091(Retentive on-delay) :	Rem = off 01:00m+
B095(On-delay) :	Rem = off 05:00s+
B096 wdrremotecnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B098 yeexfanhrs(Operating hours counter) : Ex Fan Hours	Ml= 0h 0m+ OT= 0h 0m Q->0=R+En
B099 yelexfancnt(Up/Down counter) : Ex Fah Count	Rem = on On=0+ Off=0 Start=0
B100(Edge-triggered interval time-delay relay) :	Rem = off 01:00s+ 00:00s 1
B102 whbyrcnthrs(Operating hours counter) :	Ml= 0h 0m+ OT= 0h 0m Q->0=R+En
B103 yellocurrent(Operating hours counter) :	Ml= 0h 0m+ OT= 0h 0m Q->0=R+En
B104(Asynchronous pulse generator) :	Rem = off 00:40s+ 00:20s
B105(Asynchronous pulse generator) :	Rem = off 05:00m+ 01:30s
B106(Asynchronous pulse generator) :	Rem = off 01:30s+ 00:20s
B107(Asynchronous pulse generator) :	Rem = off 02:00s+ 00:40s

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Block Number (Type)	Parameter
B108(Edge-triggered interval time-delay relay) :	Rem = off 15:00s+ 00:00s 1
B109(Edge-triggered interval time-delay relay) :	Rem = off 15:00s+ 00:00s 1
B110(Edge-triggered interval time-delay relay) :	Rem = off 12:00s+ 00:00s 1
B111(Edge-triggered interval time-delay relay) :	Rem = off 12:00s+ 00:00s 1
B113(Asynchronous pulse generator) :	Rem = off 05:00m+ 01:30s
B114(On-delay) :	Rem = off 15:00s+
B116(Seven-day time switch) : this keeps sounder off during quiet times, garage doors	+ ----- --:-- --:-- ----- --:-- --:-- ----- --:-- --:-- ----- Pulse=N
B118(Asynchronous pulse generator) :	Rem = off 01:00s+ 01:00s
B119(On-delay) :	Rem = off 15:00s+
B121(Seven-day time switch) : THIS KEEPS SOUNDER OFF DURING QUIET TIMES, HALL DOORS	+ MTWTFSS 20:00h 08:00h ----- --:-- --:-- ----- --:-- --:-- ----- Pulse=N
B122(Edge-triggered interval time-delay relay) :	Rem = off 40:00s+ 00:00s 1
B124(Edge-triggered interval time-delay relay) :	Rem = off 01:00s+ 00:00s 1
B125 frgdrsopcnt(Up/Down counter) : Front Garage doors open signal	Rem = on On=0+ Off=0 Start=0
B126 rgdrsopencnt(Up/Down counter) : Rear garage doors open signal	Rem = on On=0+ Off=0 Start=0
B127 halldrsopcnt(Up/Down counter) : Hall sound tgr count	Rem = on On=0+ Off=0 Start=0

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Block Number (Type)	Parameter
B131 norhalldrcnt(Up/Down counter) : North hall door count	Rem = on On=0+ Off=0 Start=0
B132 souhalldrcnt(Up/Down counter) : South hall door count	Rem = on On=0+ Off=0 Start=0
B133 actndr count(Up/Down counter) : Actual times north hall door opens	Rem = on On=0+ Off=0 Start=0
B134 actsdr count(Up/Down counter) : Actual times south hall door opens	Rem = on On=0+ Off=0 Start=0
B135(Edge-triggered interval time-delay relay) :	Rem = off 01:00s+ 00:00s 1
B136(Edge-triggered interval time-delay relay) :	Rem = off 01:00s+ 00:00s 1
C1 (Cursor key) : Simulates front east door opening	
C2 (Cursor key) : Simulates front center door opening	
I1(Input) : I1-Front west door	
I2(Input) : I2-Front east door	
I3(Input) : I3 Back west door- limit switch	
I4(Input) : I4 Back east door- Limit switch	
I5(Input) : I5 Rig ex fans, Shut off / reset	
I6(Input) : I6- Vocalarm house key	
I7(Input) : I7-Ex. fan override switch at watchcabinet (ON)	
I8(Input) : I8-Timed Ex. fan switch at watchcabinet	
I9(Input) : I9- Yellow hose current sensor input	
I10(Input) : I10- Whole bay, current sensor input	
I11(Input) : I11-From Mach start drop lights output	

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Block Number (Type)	Parameter
I12(Input) : I12- WEST REAR DOOR REMOTE	
I16(Input) : I16- SMART RELAY display screen light	
I17(Input) : I17- North hall door	
Q1(Output) : Q1 App bay Drop lights	
Q2(Output) : Q2-to west rear door opener pulse	
Q3(Output) : Q3-Yellow hose Rig ex fan	
Q4(Output) : Q4-Whole bay Ex fan	
Q5(Output) : Q5-Amber LED indicator light on Ex. fan switch	
Q8(Output) : Q8-Output to AES	
Q11(Output) : Q11- Sounder trigger 2, for garage doors	
Q12(Output) : Q12-Sounder trigger 1, for hall doors	
Q13(Output) : Q13-Front garage door(s) open = red	
Q14(Output) : Q14-Rear garage door(s) open = white	
Q15(Output) : Q15- North man door hallway = orange	
Q16(Output) : Q16- South man door hallway = yellow	

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Connection	Label
C1	
C2	
I1	Front west door
I2	Front east door
I3	Back west door
I4	Back east door
I5	
I6	
I7	
I8	
I9	
I10	
I11	
I12	
I16	
I17	
I18	
M1	
M2	
M3	
M4	
M5	
M6	
M9	
M10	
M11	
M12	

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Connection	Label
M13	
M14	
M15	
M16	
M17	
M18	
M19	
M20	
M21	
M22	
M23	
M24	
M25	SmartRelay displays white backlight
M32	
M33	
M34	
M35	
M36	
Q1	
Q2	
Q3	
Q4	
Q5	
Q6	
Q7	
Q8	
Q11	

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Connection	Label
Q12	
Q13	
Q14	
Q15	
Q16	

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