#### Comment

counters have contact bounce buffer control in place

3-2-18 added a lot of gogo gate sht clock stuff

redwnlded prgrm 10-16-18 IP address 192.168.20,38

10-16-18 counts were mach start 18, mach stop 6, jing 894, sdr 2719, ndr 2575, ex fn cnt 4772,

ex fn hrs 153hrs 26min, reset all to zero

1-4-19 counts were mch srt btn 5, mstop 0, jing btn 514, south dr 811, north door 847, ex fan cnt 1485, could not reset fan hrs??, titened terms and strtn up wires in smart box and watch cabinet, yes, and there is a sd card in this smart slot now, assumed program was on it

5-5-20 1:30pm established remote contact w/ this smart relay/yes, and counters read, MStrt 43, Mstop 7, Jing pb 3112, South dr cntr 5410, Northdr cntr 4845, Ex fan cntr 9264, Ex fan hrs 347 hrs 41 min, did not reset any to zero beause do not think can do remotely w/out entire redwnld, jostled counters so I could read and added this text here, chnged date on prgrm text sheet and after still could establish remote contact /yes

9-14-20 established full remote radwin contact from lineshop, perfect, counters read Mstrpbtn 51, Mstopcnt 10, Jingpbcnt 4202, south dr cntr 6946, north dr cntr 6171, Ex fan ctr 11846, exfan hrs 431:01, redwnld w/ more counters, reset all cntrs to zero, including hrs

9-23-20 cntrs read,mstr 1, mstop 0, jing 70, sdrcnt 100, ndrcnt 94, exfancnt 180, exfanhrs 5hr 45min, rigfanonsw 0, rigfantmdsw 0, sodrrec 0, ndrrec 166, pulsesdr 0, ndr pulse 163, redwnld all counts to zero, because slowed down flash on backuplight to save relay

1-8-21 slowed down flash on backup It, added MOV, read 25 volts, all done

9-10-21 cannot est radwin contact, says programs are not identical

9-13-21 counts read MSpbcn 87, mstpbcn 27, jingpbcn 6601, sdrcntr 10891, Ndrcntr 9599, Exfancntr 18592, Exfanhrs 648:02, I could not get saved Inshp prgrm to remote so uploaded station prgrm and got these counts, then redwnlded saved prgrm after compare, then remote is good all counts to zero, not sure zero

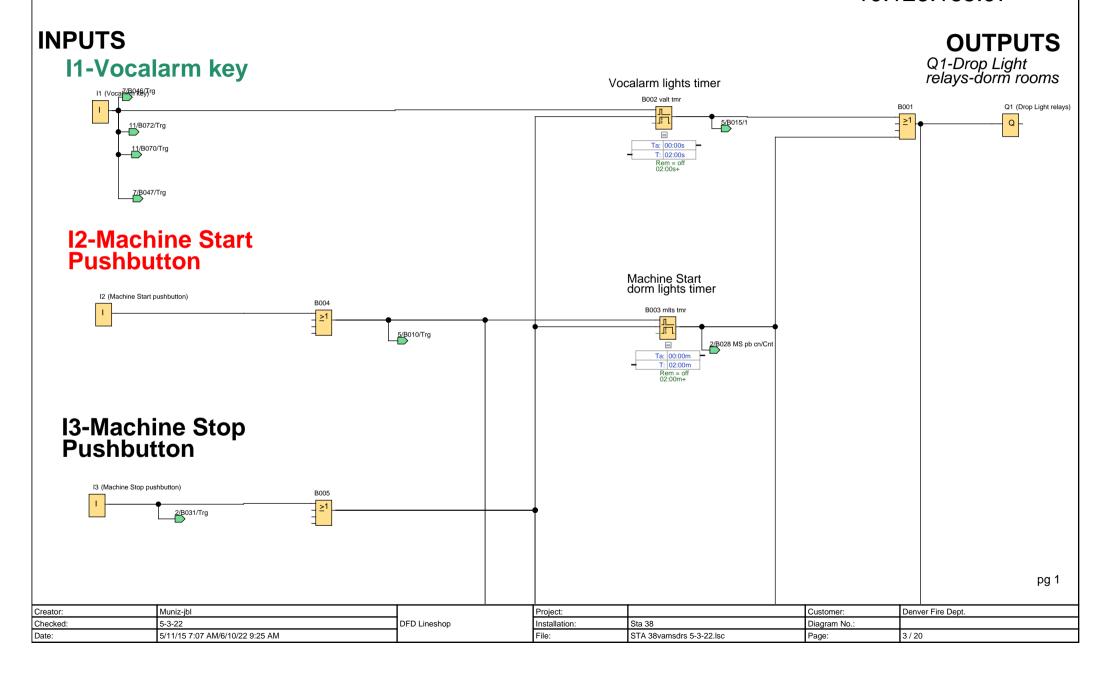
5-3-22 counters read MS pb cn 102, mstp bcn 29, Jing pbc 7503, Sdr cntr 12809, Ndr cntr 11157, Exfancntr 21800, Exfanhrs 751h 2m, all counts to zero redwnlded remotely, city IP installed, MOV verified yes, online tests good

Creator:	Muniz-jbl		Project:		Customer:	Denver Fire Dept.
Checked:	5-3-22	OFD Lineshop	Installation:	Sta 38	Diagram No.:	
Date:	5/11/15 7:07 AM/6/10/22 9:25 AM		File:	STA 38vamsdrs 5-3-22.lsc	Page:	1 / 20

## **Module Address** IP Address Subnet Mask: Default gateway 10.126.165.101 255.255.255.240 10.126.165.97 Creator: Muniz-jbl Project: Customer: Denver Fire Dept. Installation: Checked: 5-3-22 DFD Lineshop Sta 38 Diagram No.: Date: 5/11/15 7:07 AM/6/10/22 9:25 AM File: STA 38vamsdrs 5-3-22.lsc Page: 2/20

# STATION 38 - VOCALARM, MACHINE START, MACHINE STOP, JINGLER SECTION 5-3-22

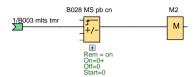
City IP address 10.126.165.101 255.255.255.240 10.126.165.97



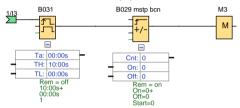
### **Sta 38**

## **Counting Section**

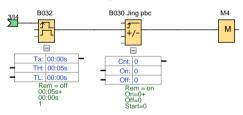
### Mach strt pshbtn cntr



### Mach Stop pshbtn cntr



### Jing pshbtn cntr

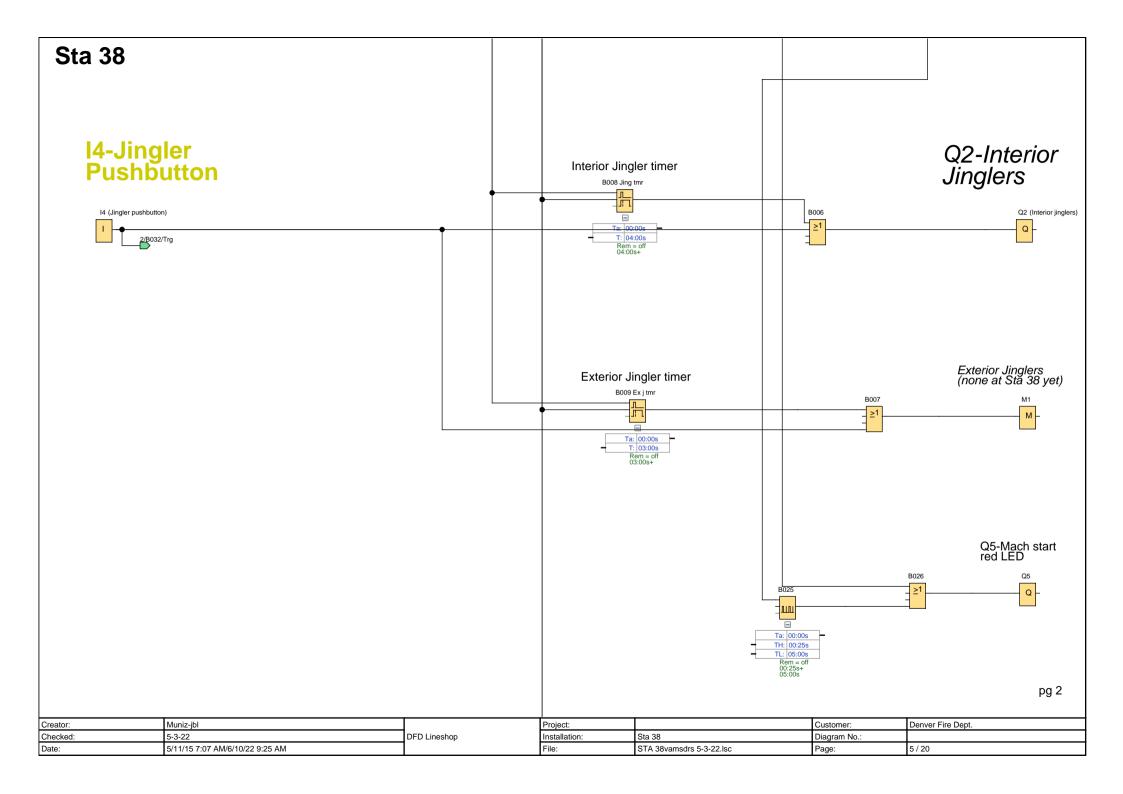


pg 7

Creator:	Muniz-jbl	Γ
Checked:	5-3-22	С
Date:	5/11/15 7:07 AM/6/10/22 9:25 AM	ı

DFD Lineshop	
--------------	--

Project:		Customer:	Denver Fire Dept.
Installation:	Sta 38	Diagram No.:	
File:	STA 38vamsdrs 5-3-22.lsc	Page:	4 / 20



**Sta 38** pg 8 Muniz-jbl Project: Installation: Creator: Customer: Denver Fire Dept.

File:

Sta 38

STA 38vamsdrs 5-3-22.lsc

Diagram No.:

6/20

Page:

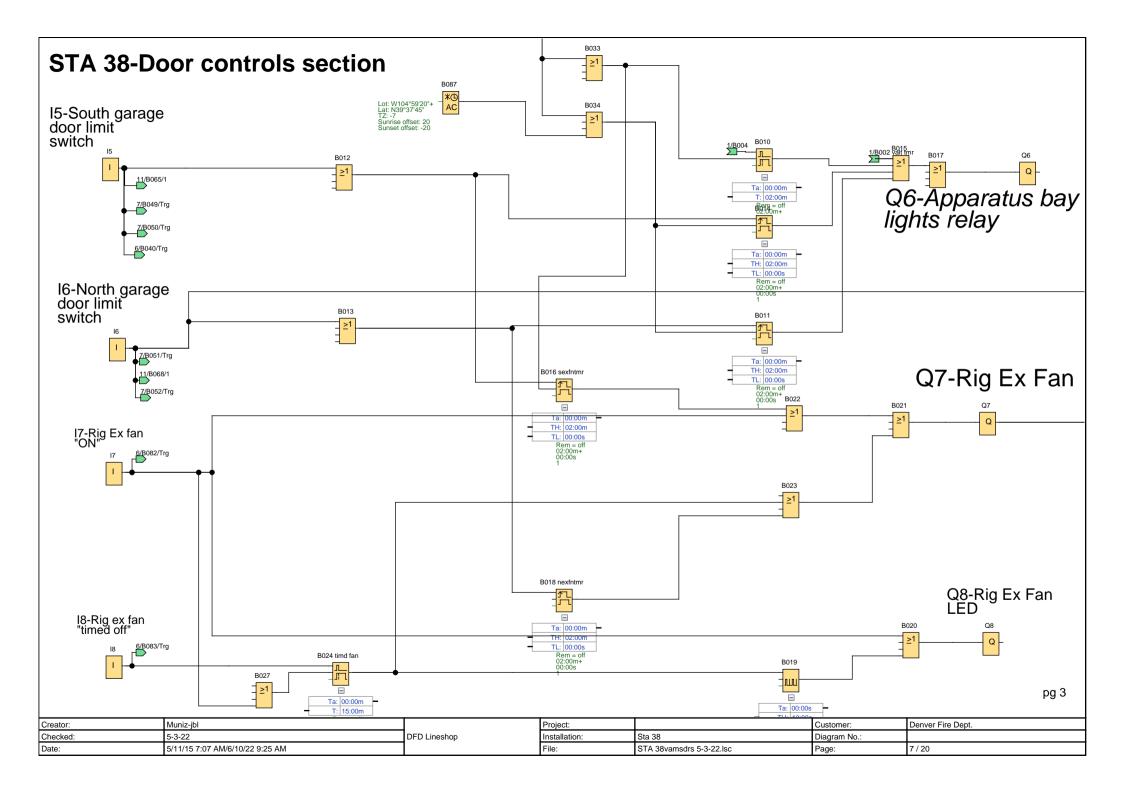
DFD Lineshop

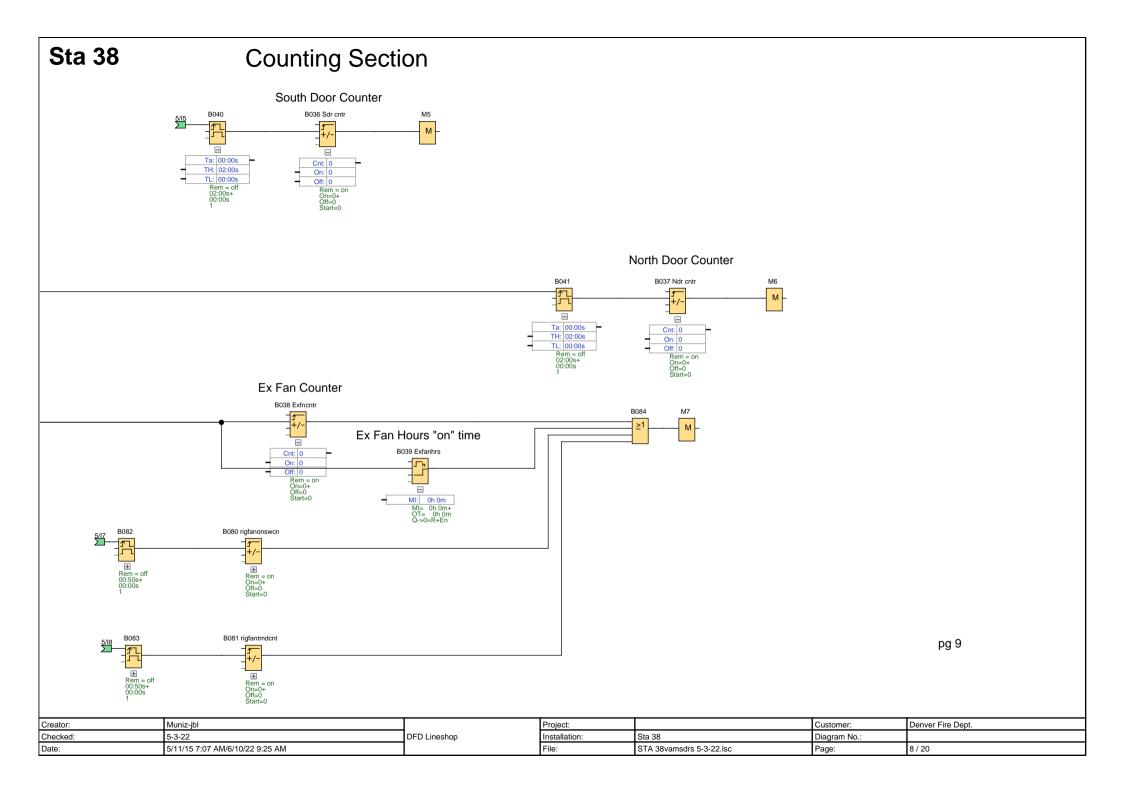
Checked:

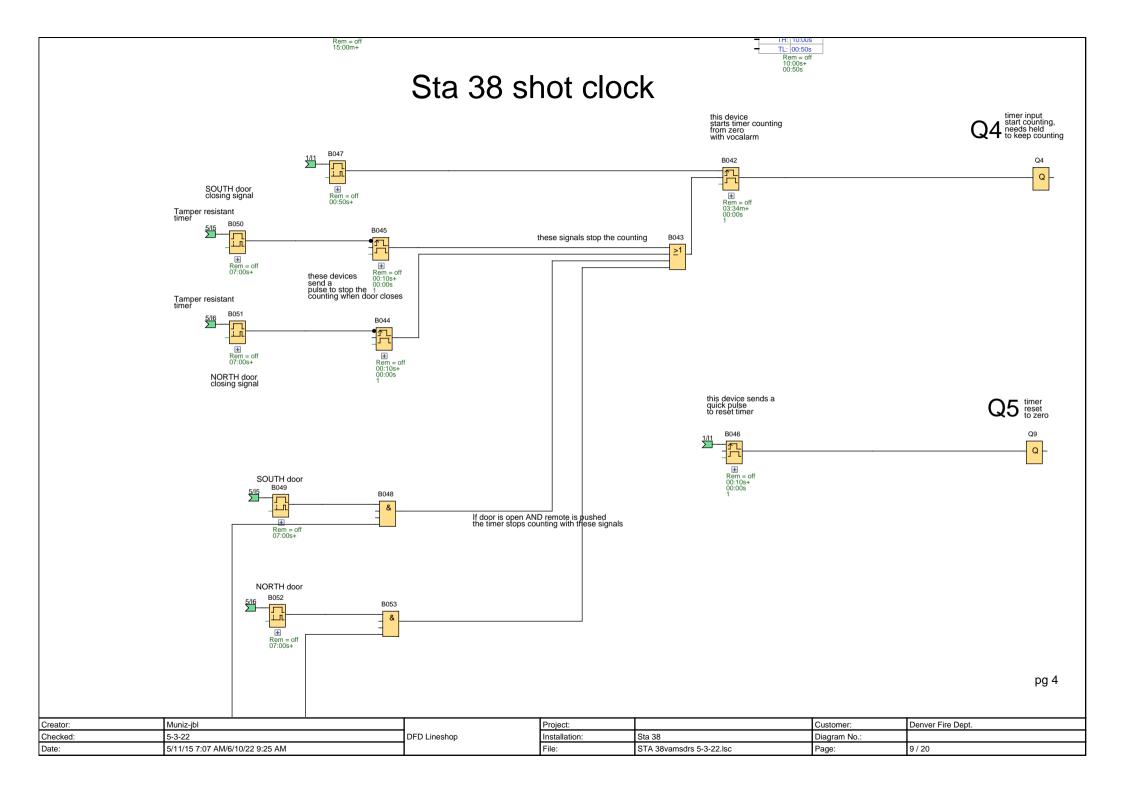
Date:

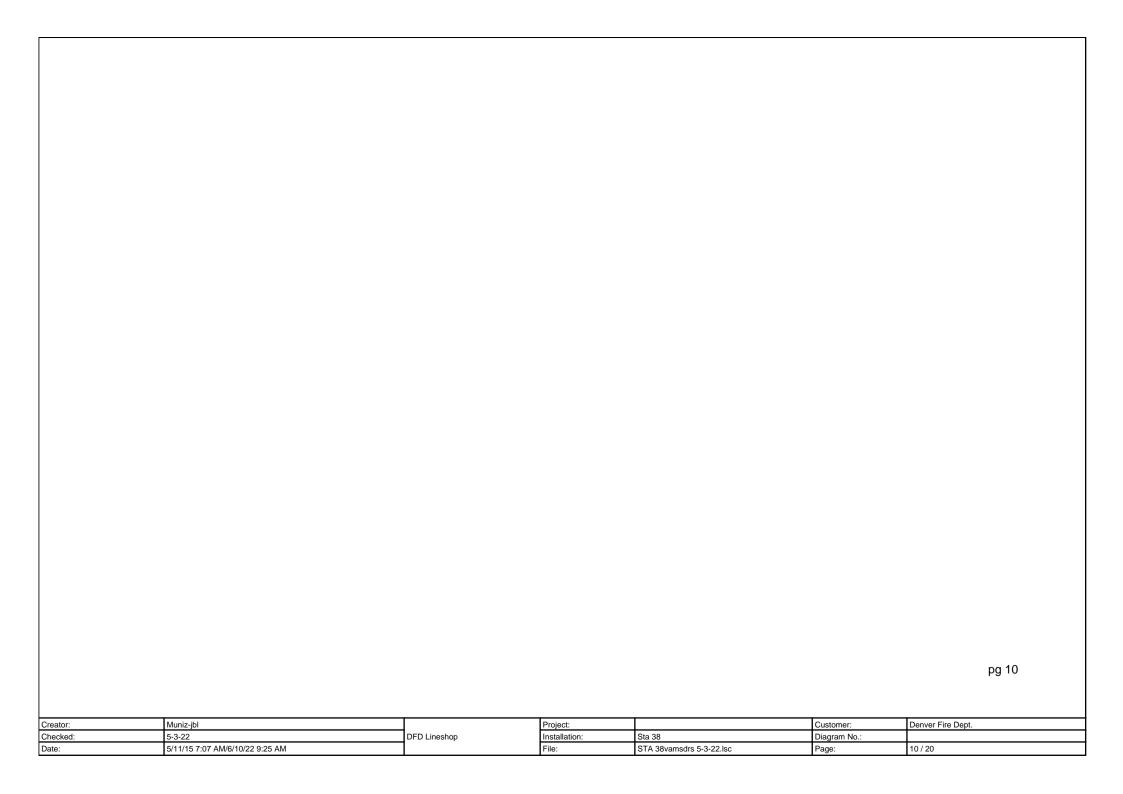
5-3-22

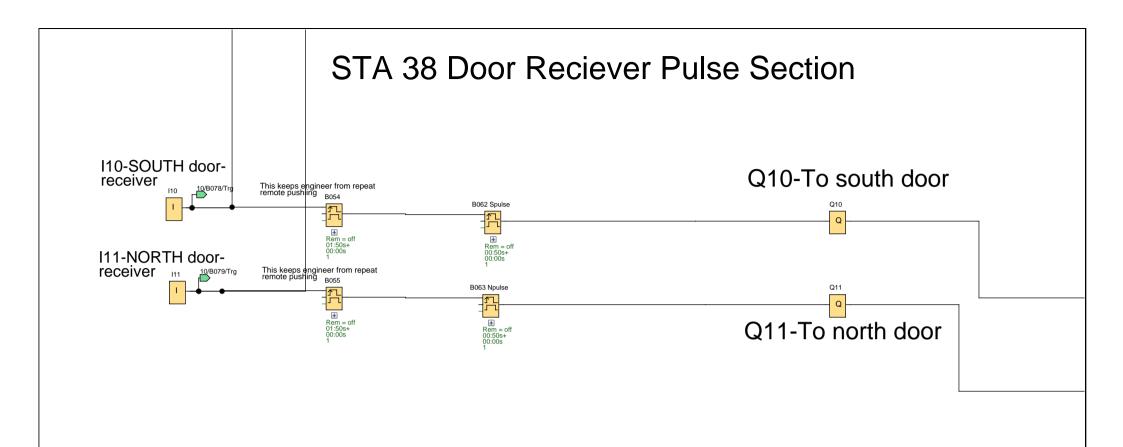
5/11/15 7:07 AM/6/10/22 9:25 AM





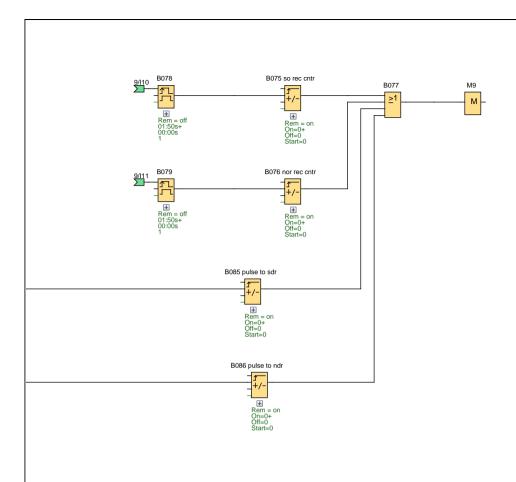






pg 5

Creator:	Muniz-jbl	Pr	Project:		Customer:	Denver Fire Dept.
Checked:	5-3-22	DFD Lineshop	Installation:	Sta 38	Diagram No.:	
Date:	5/11/15 7:07 AM/6/10/22 9:25 AM		File:	STA 38vamsdrs 5-3-22.lsc	Page:	11 / 20



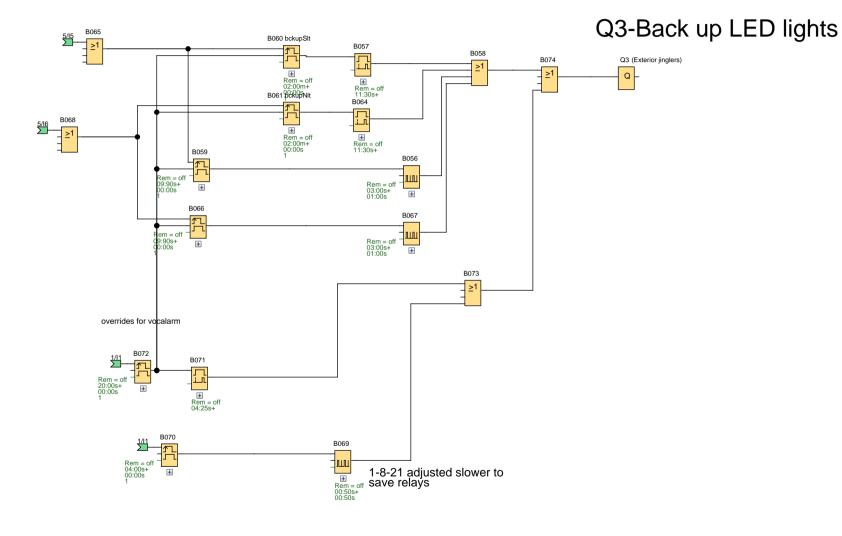
n	$\sim$	- 1	-
u	u		

Creator:	Muniz-jbl	
Checked:	5-3-22	DFD Line
Date:	5/11/15 7:07 AM/6/10/22 9:25 AM	

DFD Lineshop

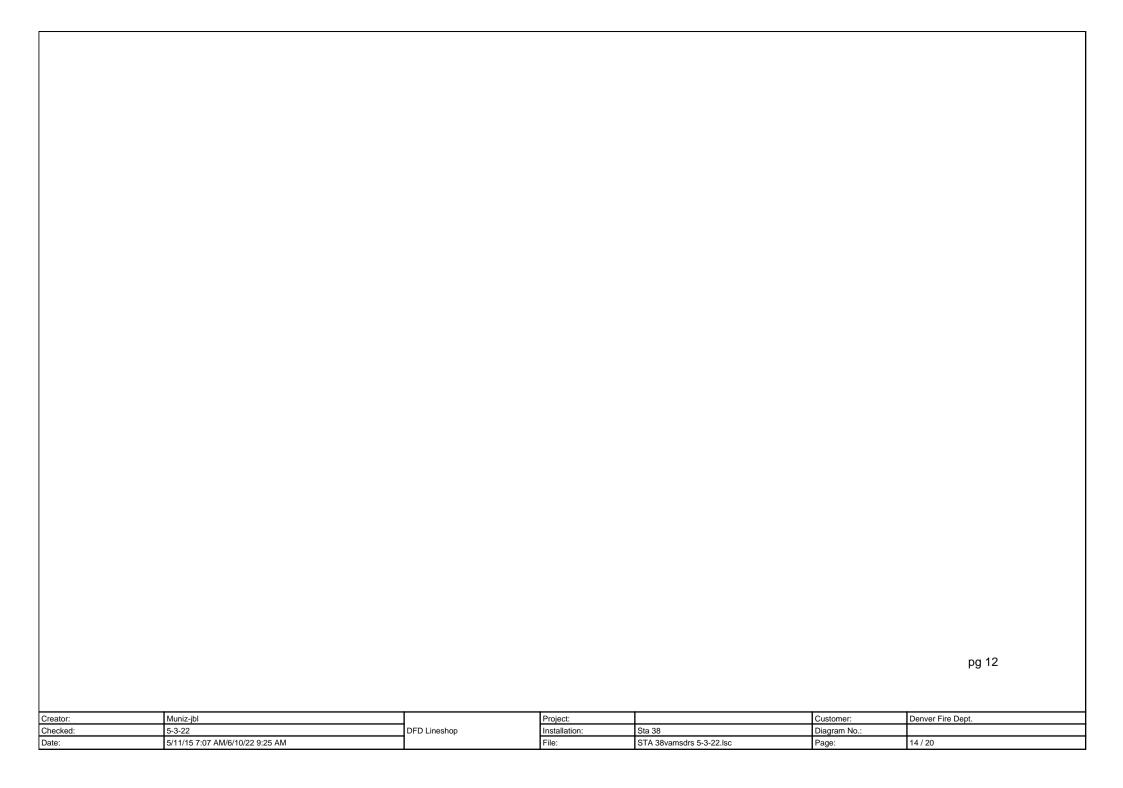
Project:		Customer:	Denver Fire Dept.
Installation:	Sta 38	Diagram No.:	
File:	STA 38vamsdrs 5-3-22.lsc	Page:	12 / 20

### **Sta 38 LED BACKING LIGHTS**



	$\sim$
рa	ь

Creator:	Muniz-jbl		Project:		Customer:	Denver Fire Dept.
Checked:	5-3-22	DFD Lineshop	Installation:	Sta 38	Diagram No.:	
Date:	5/11/15 7:07 AM/6/10/22 9:25 AM		File:	STA 38vamsdrs 5-3-22.lsc	Page:	13 / 20



Block Number (Type)	Parameter
B002 valt tmr(Off-delay) : Vocalarm lights timer	Rem = off 02:00s+
B003 mlts tmr(Off-delay) : Machine Start dorm lights timer	Rem = off 02:00m+
B008 Jing tmr(Off-delay) : Interior Jingler timer	Rem = off 04:00s+
B009 Ex j tmr(Off-delay) : Exterior Jingler timer	Rem = off 03:00s+
B010(Off-delay):	Rem = off 02:00m+
B011(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s
B014(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s
B016 sexfntmr(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s
B018 nexfntmr(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s
B019(Asynchronous pulse generator) :	Rem = off 10:00s+ 00:50s
B024 timd fan(Off-delay) :	Rem = off 15:00m+
B025(Asynchronous pulse generator):	Rem = off 00:25s+ 05:00s
B028 MS pb cn(Up/Down counter) : Mach strt pshbth cntr	Rem = on On=0+ Off=0 Start=0
B029 mstp bcn(Up/Down counter) : Mach Stop pshbtn cntr	Rem = on On=0+ Off=0 Start=0
B030 Jing pbc(Up/Down counter) : Jing pshbtn cntr	Rem = on On=0+ Off=0 Start=0
B031(Edge-triggered interval time-delay relay) :	Rem = off 10:00s+ 00:00s
B032(Edge-triggered interval time-delay relay) :	Rem = off 00:05s+ 00:00s
B036 Sdr cntr(Up/Down counter) : South Door Counter	Rem = on On=0+ Off=0 Start=0
B037 Ndr cntr(Up/Down counter) : North Door Counter	Rem = on On=0+ Off=0 Start=0
B038 Exfncntr(Up/Down counter) : Ex Fan Counter	Rem = on On=0+ Off=0 Start=0
	<u> </u>
reator:         Muniz-jbl         Project:           hecked:         5-3-22         DFD Lineshop         Installation:         S	Customer: Denver Fire Dept. Sta 38 Diagram No.:
	STA 38vamsdrs 5-3-22.lsc Page: 15 / 20

Block Numl	ber (Type)				Parameter			
B039 Exfant Ex Fan Hou	hrs(Operating hours counter): rs "on" time				MI= 0h 0m- OT= 0h 0n Q->0=R+En	+ n		
B040(Edge-triggered interval time-delay relay) :			Rem = off 02:00s+ 00:00s					
B041(Edge-	triggered interval time-delay relay) :				Rem = off 02:00s+ 00:00s			
B042(Edge- this device starts timer of from zero with vocalar	triggered interval time-delay relay) : counting m				Rem = off 03:34m+ 00:00s			
B044(Edge- these device send a pulse to stor counting wh	triggered interval time-delay relay) : o the en door closes				Rem = off 00:10s+ 00:00s 1			
B045(Edge-	triggered interval time-delay relay)				Rem = off 00:10s+ 00:00s 1			
B046(Edge- this device s quick pulse to reset time	triggered interval time-delay relay) : ends a er				Rem = off 00:10s+ 00:00s			
B047(On-de	elay) :				Rem = off 00:50s+			
B049(On-de	elay) :				Rem = off 07:00s+			
B050(On-de	elay) :				Rem = off 07:00s+			
B051(On-de	elay) :				Rem = off 07:00s+			
B052(On-de	elay) :				Rem = off 07:00s+			
B054(Edge- This keeps of remote push	triggered interval time-delay relay) : englineer from repeat ning				Rem = off 01:50s+ 00:00s 1			
B055(Edge- This keeps of remote push	triggered interval time-delay relay) : engineer from repeat ing				Rem = off 01:50s+ 00:00s 1			
B056(Async	rhronous pulse generator) :				Rem = off 03:00s+ 01:00s			
B057(On-de	elay) :				Rem = off 11:30s+			
B059(Edge-triggered interval time-delay relay) :			Rem = off 09:90s+ 00:00s					
B060 bckupSlt(Edge-triggered interval time-delay relay) :  B061 bckupNlt(Edge-triggered interval time-delay relay) :			Rem = off 02:00m+ 00:00s					
			Rem = off 02:00m+ 00:00s					
B062 Spulse	e(Edge-triggered interval time-delay	relay) :			Rem = off 00:50s+ 00:00s			
tor: cked:	Muniz-jbl 5-3-22	DFD Lineshop	Project: Installation:	Sta 38		Customer: Diagram No.:	Denver Fire Dept.	
:	5/11/15 7:07 AM/6/10/22 9:25 AM	1	File:		msdrs 5-3-22.lsc	Page:	16 / 20	

Creator:	Muniz-jbl		Project:		Customer:	Denver Fire Dept.
Checked:	5-3-22	DFD Lineshop	Installation:	Sta 38	Diagram No.:	
Date:	5/11/15 7:07 AM/6/10/22 9:25 AM		File:	STA 38vamsdrs 5-3-22.lsc	Page:	16 / 20

Block Nun	nber (Type)				Parameter		
B063 Npul	se(Edge-triggered interval time-de	lay relay) :			Rem = off 00:50s+ 00:00s 1		
B064(On-d	lelay) :				Rem = off 11:30s+		
B066(Edge	e-triggered interval time-delay relay	<b>y</b> ):			Rem = off 09:90s+ 00:00s		
B067(Asyn	nchronous pulse generator):				Rem = off 03:00s+ 01:00s		
B069(Asyn	chronous pulse generator) :				Rem = off 00:50s+ 00:50s		
B070(Edge	e-triggered interval time-delay relay	y) :			Rem = off 04:00s+ 00:00s		
B071(On-d	lelay) :				Rem = off 04:25s+		
B072(Edge	e-triggered interval time-delay relay	y):			Rem = off 20:00s+ 00:00s		
B075 so re	c cntr(Up/Down counter) :				Rem = on On=0+ Off=0 Start=0		
B076 nor re	ec cntr(Up/Down counter) :				Rem = on On=0+ Off=0 Start=0		
B078(Edge	e-triggered interval time-delay relay	y):			Rem = off 01:50s+ 00:00s		
B079(Edge	e-triggered interval time-delay relay	y):			Rem = off 01:50s+ 00:00s		
B080 rigfar	nonswcn(Up/Down counter) :				Rem = on On=0+ Off=0 Start=0		
B081 rigfar	ntmdcnt(Up/Down counter) :				Rem = on On=0+ Off=0 Start=0		
B082(Edge	e-triggered interval time-delay relay	y):			Rem = off 00:50s+ 00:00s		
B083(Edge	e-triggered interval time-delay relay	y):			Rem = off 00:50s+ 00:00s		
B085 pulse	e to sdr(Up/Down counter) :				Rem = on On=0+ Off=0 Start=0		
B086 pulse	e to ndr(Up/Down counter) :				Rem = on On=0+ Off=0 Start=0		
				•			
tor:	Muniz-jbl		Project:	-		Customer:	Denver Fire Dept.

Creator:	Muniz-jbl		Project:		Customer:	Denver Fire Dept.
Checked:	5-3-22	DFD Lineshop	Installation:	Sta 38	Diagram No.:	
Date:	5/11/15 7:07 AM/6/10/22 9:25 AM		File:	STA 38vamsdrs 5-3-22.lsc	Page:	17 / 20

Bloc	k Numl	oer (Type)				Parameter		
B087	(Astron	nomical clock) :				Lot: W104°59 Lat: N39°37'4 TZ: -7 Sunrise offse Sunset offset	9'20"+ 15" t: 20 : -20	
1(Inp	out) : ocalarm	key						
I2(Inr I2-Ma Push	out) : achine s button	Start						
I3(Inr I3-Ma Push	out) : achine s button	Stop						
I4(Inp I4-Jir Push	out) : ngler ibutton							
I5(Inr I5-So door switc	out) : outh gar limit h	rage						
I6(Int I6-No door switc	out) : orth gara limit h	age						
7( nr  7-R  "ON"	out) : g Ex far	า						
l8(lnr l8-Ri "time	out) : g ex far d off"	١						
I10(Ir I10-Ş recei	nput) : SOUTH ver	door-						
I11(Ir I11-N recei	nput) : IORTH ver	door-						
Q1(C Q1-D relay:	Output) : Orop Lig s-dorm	ht rooms						
Q2(C Q2-Ir Jingle	Output) : nterior ers	:						
Q3(C Q3-B	Output) : Back up	LED lights						
Q4(C timer start need to ke	Output): input countin s held ep cour	g, nting						
Q5(C Q5-M red L	output) : lach sta .ED	art						
Q6(C Q6-A lights	Output) : apparatu relay	us bay						
Q7(C Q7-R	output) : Rig Ex F	an						
Q8(C Q8-R LED	output) : Rig Ex F	an						
Q9(C timer reset to ze	output) : ro							
Q10 <u>(</u>	Output) To sout	th door						
Creator: Checked:		Muniz-jbl 5-3-22	DFD Lineshop	Project: Installation:	Sta 38		Customer: Diagram No.:	Denver Fire Dept.
Date:		5/11/15 7:07 AM/6/10/22 9:25 AM	550p	File:		msdrs 5-3-22.lsc	Page:	18 / 20

Block Number (Typ	De)				Parameter		
Q11(Output) : Q11-To north door							
Creator: Muniz-jbl			Project:	ī		Customer:	Denver Fire Dept.
Checked: 5-3-22	:07 AM/6/10/22 9:25 AM	DFD Lineshop	Installation:	Sta 38 STA 38vam	sdrs 5-3-22.lsc	Diagram No.: Page:	19 / 20

Connection	<b>1</b>	Label					
l1		Vocalarm key					
l2		Machine Start pushbuttor	n				
13		Machine Stop pushbuttor	า				
14		Jingler pushbutton					
15							
16							
17							
18							
I10							
l11							
M1							
M2							
M3							
M4							
M5							
M6							
M7							
M9							
Q1		Drop Light relays					
Q2		Interior jinglers					
Q3		Exterior jinglers					
Q4							
Q5							
Q6							
Q7							
Q8							
Q9							
Q10							
Q11							
Creator:	Muniz-jbl 5-3-22			Project: Installation:	Sta 38	Customer: Diagram No.:	Denver Fire Dept.
necked: ate:		07 AM/6/10/22 9:25 AM	ר יס ים p rinesiioh	File:	STA 38vamsdrs 5-3-22.lsc	Page:	20 / 20

Creator:	Muniz-jbl		Project:		Customer:	Denver Fire Dept.
Checked:	5-3-22	DFD Lineshop	Installation:	Sta 38	Diagram No.:	
Date:	5/11/15 7:07 AM/6/10/22 9:25 AM		File:	STA 38vamsdrs 5-3-22.lsc	Page:	20 / 20