

Comment

8-10-18 rev w cntrs etc cosmo only
12-18-20 measured 27 volts, added MOV, slowed flash on bckup lts, yes all verified yr 2021, added relay on bckup lts and changed Q3 to Q12, Q3 maybe sticking/bad, tweaks and added counters for 1st time ever and redwnld
6-2-22 city IP address installed, verified FS-05 type, redwnlded, counters read ndr cnt 8767, cdr cnt 4233, sdr cnt 0, exfanct 12094, exfanhrs 698h51m, fansw on 246, fn tmrs w 0, nopencnt 15214, copencnt 7111, sopencnt 7876,

Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 22 door	Customer:	Denver Fire Department
Checked:	6-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/6/10/22 9:10 AM		File:	Sta 22 drs 12-18-20.lsc	Page:	1 / 20

Module Address

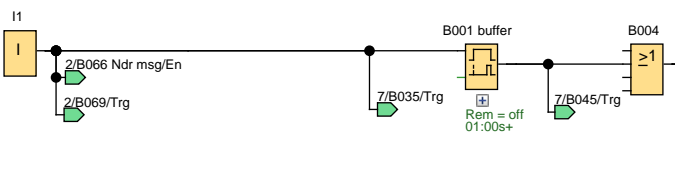
IP Address 10.126.163.229
Subnet Mask: 255.255.255.240
Default gateway 10.126.163.225

Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 22 door	Customer:	Denver Fire Department
Checked:	6-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/6/10/22 9:10 AM		File:	Sta 22 drs 12-18-20.lsc	Page:	2 / 20

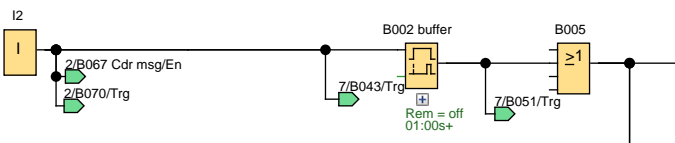
Station 22 Doors 6-2-22 type FS-05 verified City IP address 10.126.163.229 255.255.255.240 10.126.163.225

Door section, app. bay lts

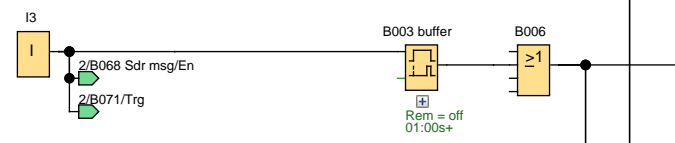
I1-NORTH DOOR



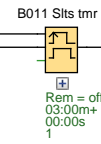
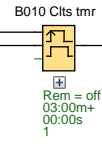
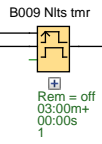
I2-CENTER DOOR



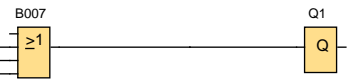
I3-SOUTH DOOR



Lot: W104°59'41"+
Lat: N39°39'3"
TZ: -7
Sunrise offset: 20
Sunset offset: -20



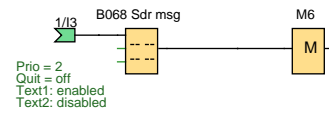
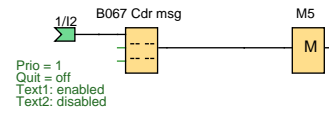
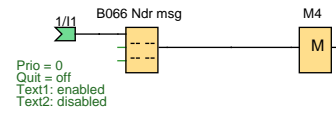
Q1-APPARATUS BAY LIGHTS



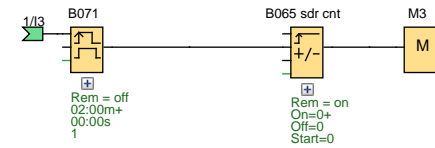
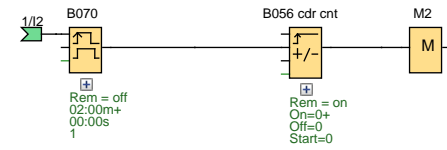
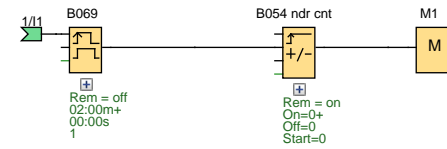
Creator:	John Ledbetter	Project:	Station 22 door	Customer:	Denver Fire Department
Checked:	6-2-22	Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/6/10/22 9:10 AM	File:	Sta 22 drs 12-18-20.lsc	Page:	3 / 20
Denver Fire Lineshop					

Sta 22

MESSAGE SECTION

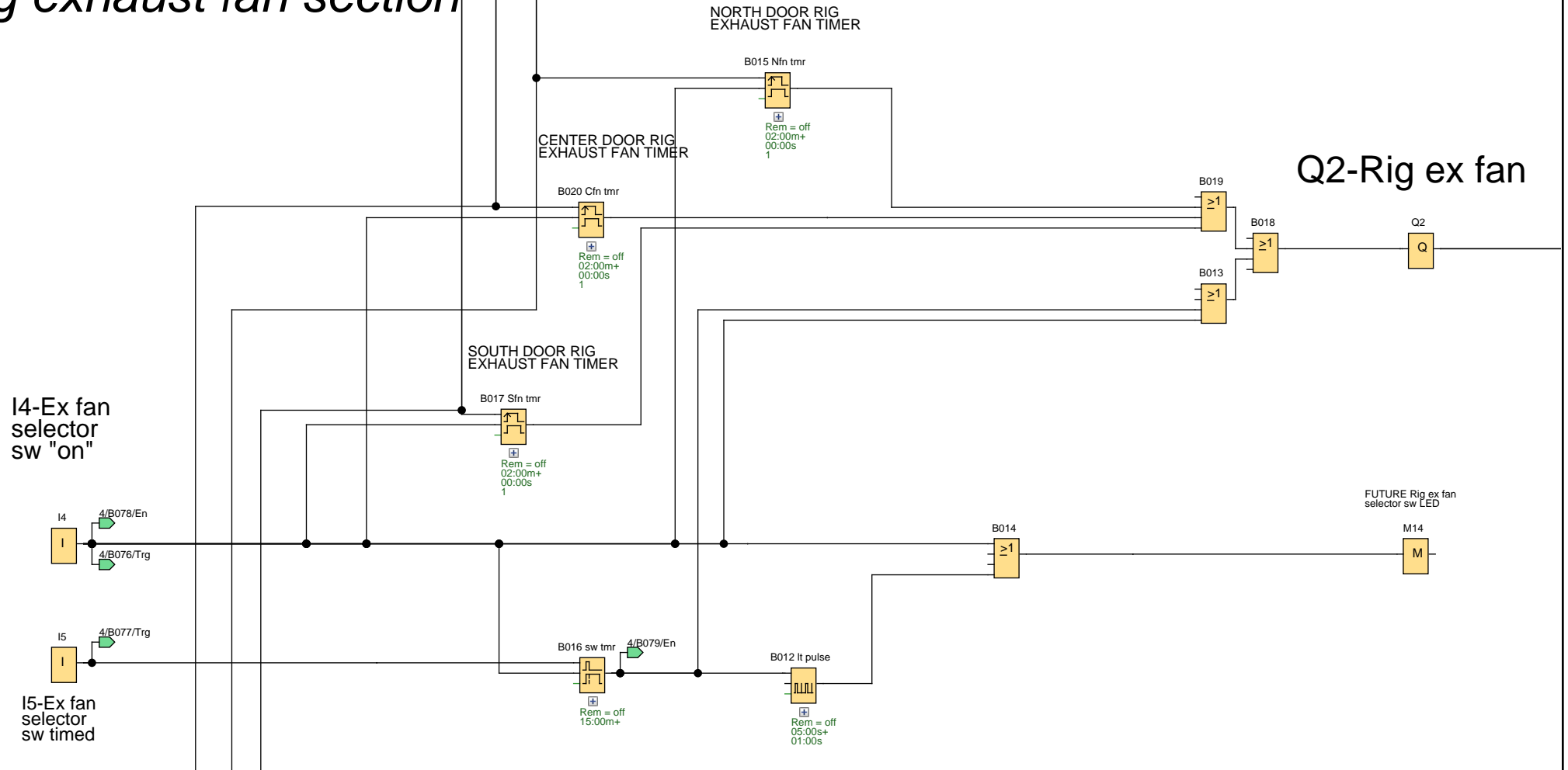


Counting sections



Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 22 door	Customer:	Denver Fire Department
Checked:	6-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/6/10/22 9:10 AM		File:	Sta 22 drs 12-18-20.lsc	Page:	4 / 20

Sta 22 Doors Rig exhaust fan section

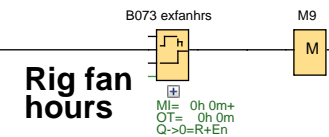
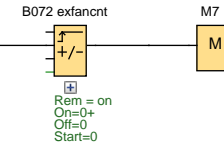


Creator:	John Ledbetter	Project:	Station 22 door	Customer:	Denver Fire Department
Checked:	6-2-22	Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/6/10/22 9:10 AM	File:	Sta 22 drs 12-18-20.lsc	Page:	5 / 20

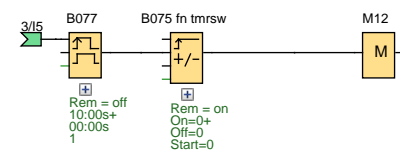
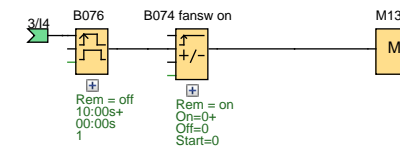
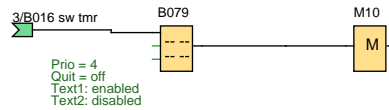
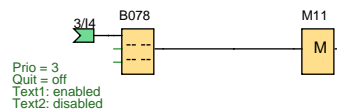
Sta 22

Counting sections

Rig fan "ON" count



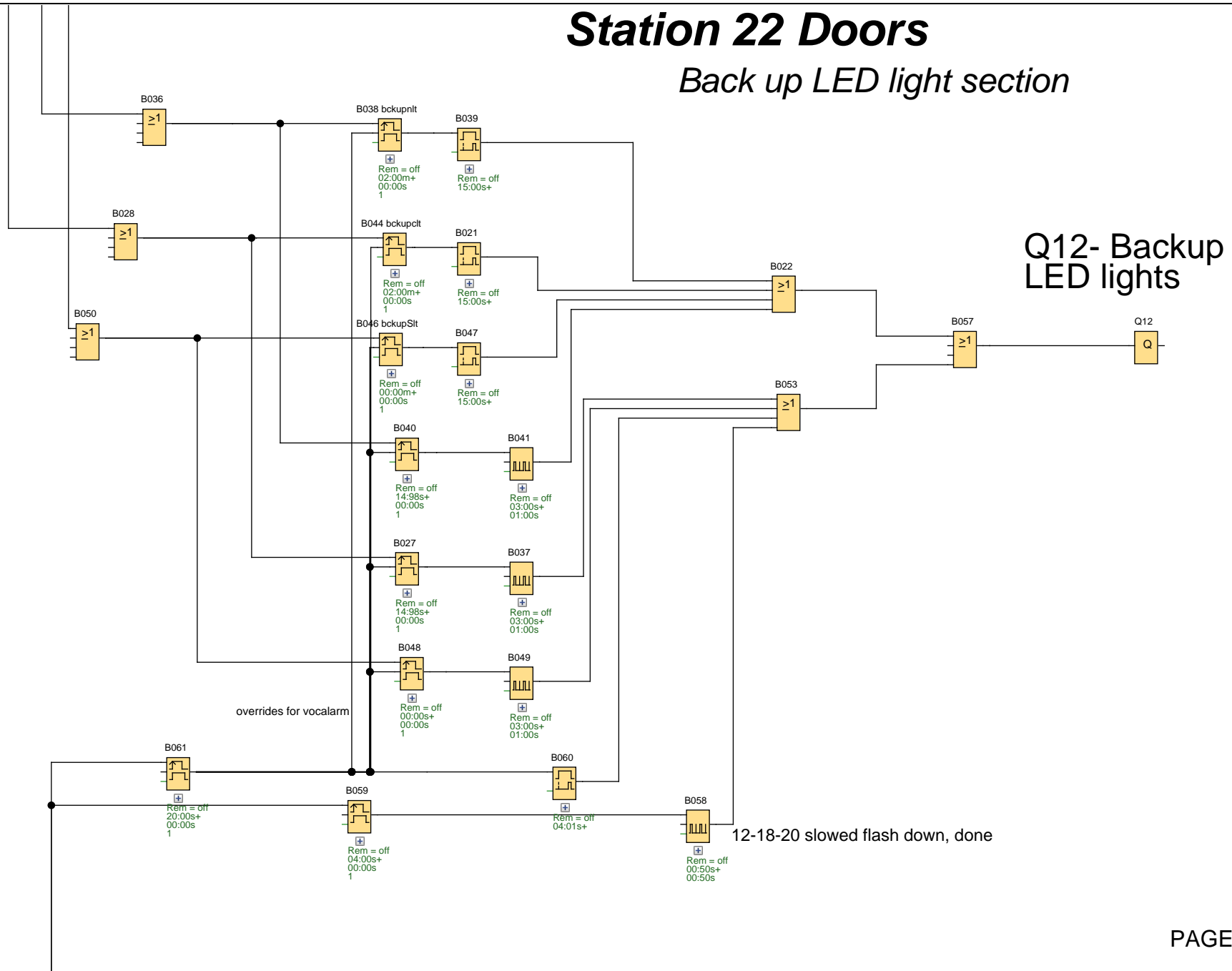
Message sections



Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 22 door	Customer:	Denver Fire Department
Checked:	6-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/6/10/22 9:10 AM		File:	Sta 22 drs 12-18-20.lsc	Page:	6 / 20

Station 22 Doors

Back up LED light section



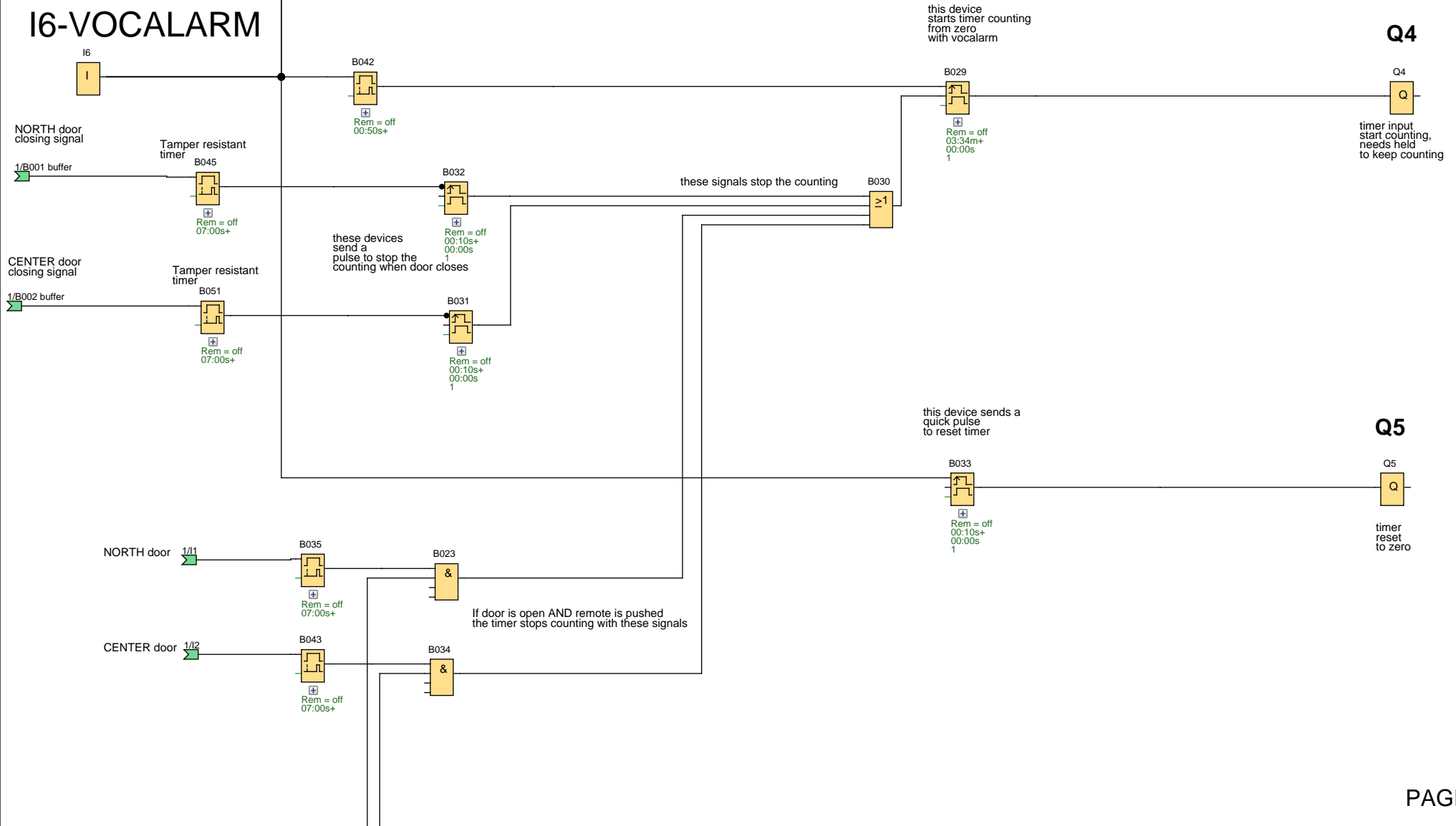
Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 22 door	Customer:	Denver Fire Department
Checked:	6-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/6/10/22 9:10 AM		File:	Sta 22 drs 12-18-20.lsc	Page:	7 / 20

Sta 22

Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 22 door	Customer:	Denver Fire Department
Checked:	6-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/6/10/22 9:10 AM		File:	Sta 22 drs 12-18-20.lsc	Page:	8 / 20

Sta 22 shot clock

I6-VOCALARM



Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 22 door	Customer:	Denver Fire Department
Checked:	6-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/6/10/22 9:10 AM		File:	Sta 22 drs 12-18-20.lsc	Page:	9 / 20

Sta 22

Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 22 door	Customer:	Denver Fire Department
Checked:	6-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/6/10/22 9:10 AM		File:	Sta 22 drs 12-18-20.lsc	Page:	10 / 20

Sta 22 Door Receiver pulse section

I10-NORTH door,
receiver



This keeps engineer from repeat
remote pushing



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

B062 npulse



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

Q6

To north opener
white and orange



I11-CENTER door,
receiver



This keeps engineer from repeat
remote pushing



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

B063 cpulse



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

Q7

To center opener
white and orange



I12-SOUTH door,
receiver



This keeps engineer form repeat
remote pushing



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

B064 spulse



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

Q8

To south opener
white and orange

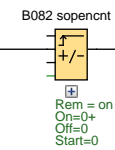
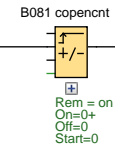
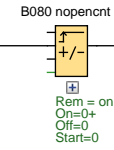


PAGE 5

Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 22 door	Customer:	Denver Fire Department
Checked:	6-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/6/10/22 9:10 AM		File:	Sta 22 drs 12-18-20.lsc	Page:	11 / 20

Sta 22

Counting sections



Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 22 door	Customer:	Denver Fire Department
Checked:	6-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/6/10/22 9:10 AM		File:	Sta 22 drs 12-18-20.lsc	Page:	12 / 20

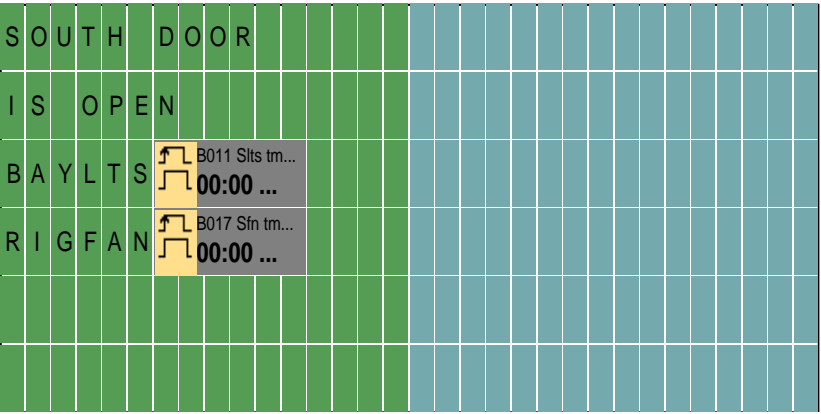
Block Number (Type)	Parameter
B001 buffer(On-delay) :	Rem = off 01:00s+
B002 buffer(On-delay) :	Rem = off 01:00s+
B003 buffer(On-delay) :	Rem = off 01:00s+
B009 Nlts tmr(Edge-triggered interval time-delay relay) :	Rem = off 03:00m+ 00:00s 1
B010 Clts tmr(Edge-triggered interval time-delay relay) :	Rem = off 03:00m+ 00:00s 1
B011 Slts tmr(Edge-triggered interval time-delay relay) :	Rem = off 03:00m+ 00:00s 1
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
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

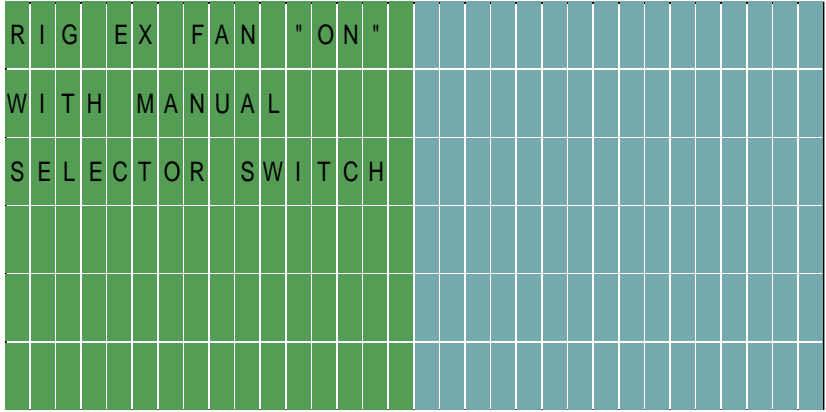
Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 22 door	Customer:	Denver Fire Department
Checked:	6-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/6/10/22 9:10 AM		File:	Sta 22 drs 12-18-20.lsc	Page:	13 / 20

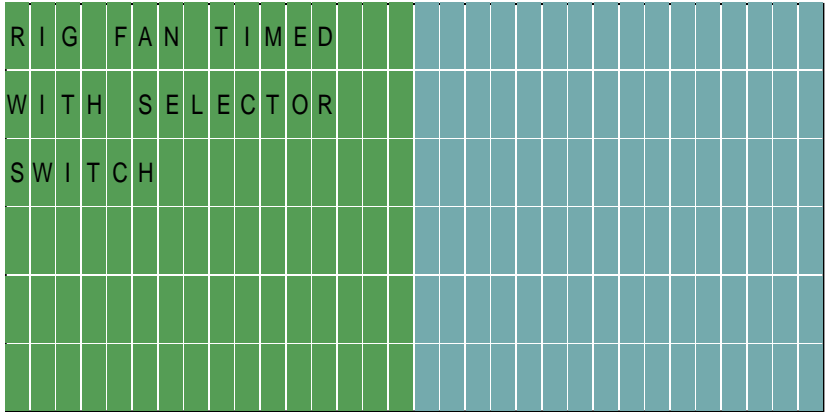
Block Number (Type)	Parameter
B033(Edge-triggered interval time-delay relay) : this device sends a quick pulse to reset timer	Rem = off 00:10s+ 00:00s 1
B035(On-delay) :	Rem = off 07:00s+
B037(Asynchronous pulse generator) :	Rem = off 03:00s+ 01:00s
B038 bckupnlt(Edge-triggered interval time-delay relay) :	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 bckupSlT(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(On-delay) :	Rem = off 07:00s+
B052(Astronomical clock) :	Lot: W104°59'41"+ Lat: N39°39'3" TZ: -7 Sunrise offset: 20 Sunset offset: -20
B054 ndr cnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B056 cdr cnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B058(Asynchronous pulse generator) :	Rem = off 00:50s+ 00:50s

Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 22 door	Customer:	Denver Fire Department
Checked:	6-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/10/22 9:10 AM		File:	Sta 22 drs 12-18-20.lsc	Page:	14 / 20

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 npulse(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 spulse(Edge-triggered interval time-delay relay) :	Rem = off 00:50s+ 00:00s 1					
B065 sdr cnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0					
<p data-bbox="124 869 430 896">B066 Ndr msg(Message texts) :</p> <div data-bbox="124 952 949 1361"> </div> <p data-bbox="124 1377 414 1422">Line3.8 B009 Nlts tmr-THRest Line4.8 B015 Nfn tmr-THRest</p>	<p data-bbox="1005 869 1157 940">Prio = 0 Quit = off Text1: enabled Text2: disabled</p> <p data-bbox="1005 940 1212 1108">Ticker setting - CBC - Line1: N - Line2: Z - Line3: Z - Line4: Z - Line5: Z - Line6: Z Message Destination - Both</p>					
<p data-bbox="124 1451 430 1478">B067 Cdr msg(Message texts) :</p> <div data-bbox="124 1534 949 1944"> </div> <p data-bbox="124 1960 414 2004">Line3.7 B010 Clts tmr-THRest Line4.8 B020 Cfn tmr-THRest</p>	<p data-bbox="1005 1451 1157 1523">Prio = 1 Quit = off Text1: enabled Text2: disabled</p> <p data-bbox="1005 1523 1212 1691">Ticker setting - CBC - Line1: N - Line2: Z - Line3: Z - Line4: Z - Line5: Z - Line6: Z Message Destination - Both</p>					
Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 22 door	Customer:	Denver Fire Department
Checked:	6-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/6/10/22 9:10 AM		File:	Sta 22 drs 12-18-20.lsc	Page:	15 / 20

Block Number (Type)	Parameter
<p>B068 Sdr msg(Message texts) :</p>  <p>Line3.7 B011 SIts tmr-THRest Line4.7 B017 Sfn 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>
<p>B069(Edge-triggered interval time-delay relay) :</p>	<p>Rem = off 02:00m+ 00:00s 1</p>
<p>B070(Edge-triggered interval time-delay relay) :</p>	<p>Rem = off 02:00m+ 00:00s 1</p>
<p>B071(Edge-triggered interval time-delay relay) :</p>	<p>Rem = off 02:00m+ 00:00s 1</p>
<p>B072 exfanCnt(Up/Down counter) : Rig fan "ON" count</p>	<p>Rem = on On=0+ Off=0 Start=0</p>
<p>B073 exfanhrs(Operating hours counter) : Rig fan hours</p>	<p>MI= 0h 0m+ OI= 0h 0m Q->0=R+En</p>
<p>B074 fansw on(Up/Down counter) :</p>	<p>Rem = on On=0+ Off=0 Start=0</p>
<p>B075 fn tmrsW(Up/Down counter) :</p>	<p>Rem = on On=0+ Off=0 Start=0</p>
<p>B076(Edge-triggered interval time-delay relay) :</p>	<p>Rem = off 10:00s+ 00:00s 1</p>
<p>B077(Edge-triggered interval time-delay relay) :</p>	<p>Rem = off 10:00s+ 00:00s 1</p>

Block Number (Type)	Parameter
B078(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

B079(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
---	---

B080 nopencnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
----------------------------------	---------------------------------------

B081 copencnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
----------------------------------	---------------------------------------

B082 sopencnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
----------------------------------	---------------------------------------

1(Input) : 1-NORTH DOOR	
----------------------------	--

2(Input) : 2-CENTER DOOR	
-----------------------------	--

3(Input) : 3-SOUTH DOOR	
----------------------------	--

4(Input) : 4-Ex fan selector sw "on"	
---	--

5(Input) : 5-Ex fan selector sw timed	
--	--

Block Number (Type)	Parameter
I6(Input) : I6-VOCALARM	
I10(Input) : I10-NORTH door, receiver	
I11(Input) : I11-CENTER door, receiver	
I12(Input) : I12-SOUTH door, receiver	
Q1(Output) : Q1-APPARATUS BAY LIGHTS	
Q2(Output) : Q2-Rig ex fan	
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 center opener white and orange	
Q8(Output) : To south opener white and orange	
Q12(Output) : Q12-Backup LED lights	

Connection	Label
I1	
I2	
I3	
I4	
I5	
I6	
I10	
I11	
I12	
M1	
M2	
M3	
M4	
M5	
M6	
M7	
M9	
M10	
M11	
M12	
M13	
M14	
M15	
M16	
M17	
Q1	
Q2	
Q4	
Q5	

Connection	Label
Q6	
Q7	
Q8	
Q12	

Creator:	John Ledbetter	Denver Fire Lineshop	Project:	Station 22 door	Customer:	Denver Fire Department
Checked:	6-2-22		Installation:		Diagram No.:	
Date:	3/2/16 7:04 AM/6/10/22 9:10 AM		File:	Sta 22 drs 12-18-20.lsc	Page:	20 / 20