Comment

4-4-18 added chief door stuff, chief move from 23s, redo east door timers
11-13-20 added a MOV yes done, also slowed down flash on bckup lt timer, yes at sta
6-13-22 installed new networkable Smart and added city IP address, MOV yes good, card in yes good, online tests good,
counters read wdr cntr 15209, cdr cntr 10813, edr cntr 12393, fan cntr 35102, fnhrcntr 1399h39m,
all counts to zero after redwnld

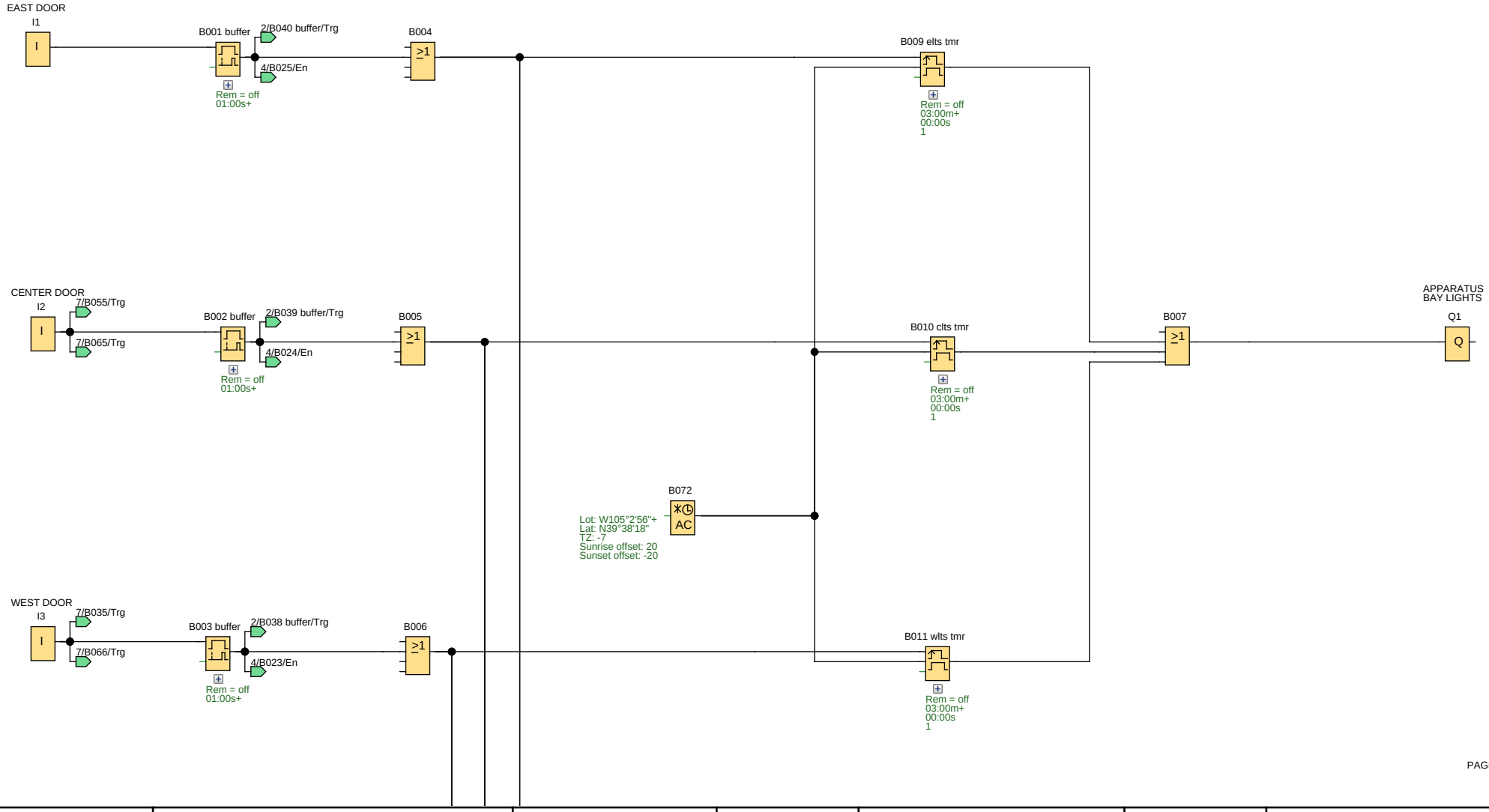
Module Address

IP Address	10.126.165.37
Subnet Mask:	255.255.255.240
Default gateway	10.126.165.33

Station 28 Doors 6-13-22 verified type FS-05

City IP address 10.126.165.37
255.255.255.240
10.126.165.33

Door section, app. bay lts

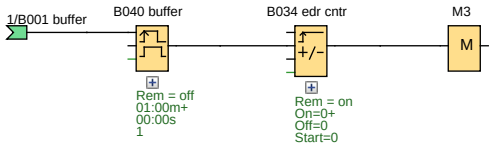


Creator:	John Ledbetter	DFD Lineshop	Project:	Station 28 door control	Customer:	Denver Fire Dept.
Checked:	6-13-22		Installation:		Diagram No.:	
Date:	11/17/15 7:13 AM/6/13/22 2:07 PM		File:	Sta 28 drs 6-13-22.lsc	Page:	3 / 18

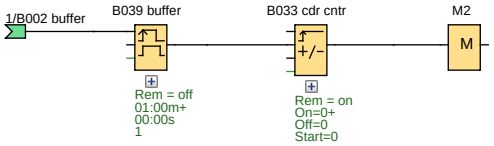
Station 28 Doors

COUNTING SECTION

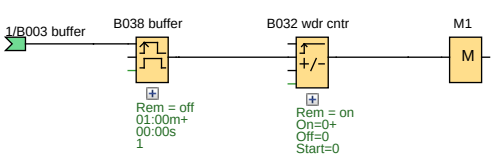
East door counter



Center door counter



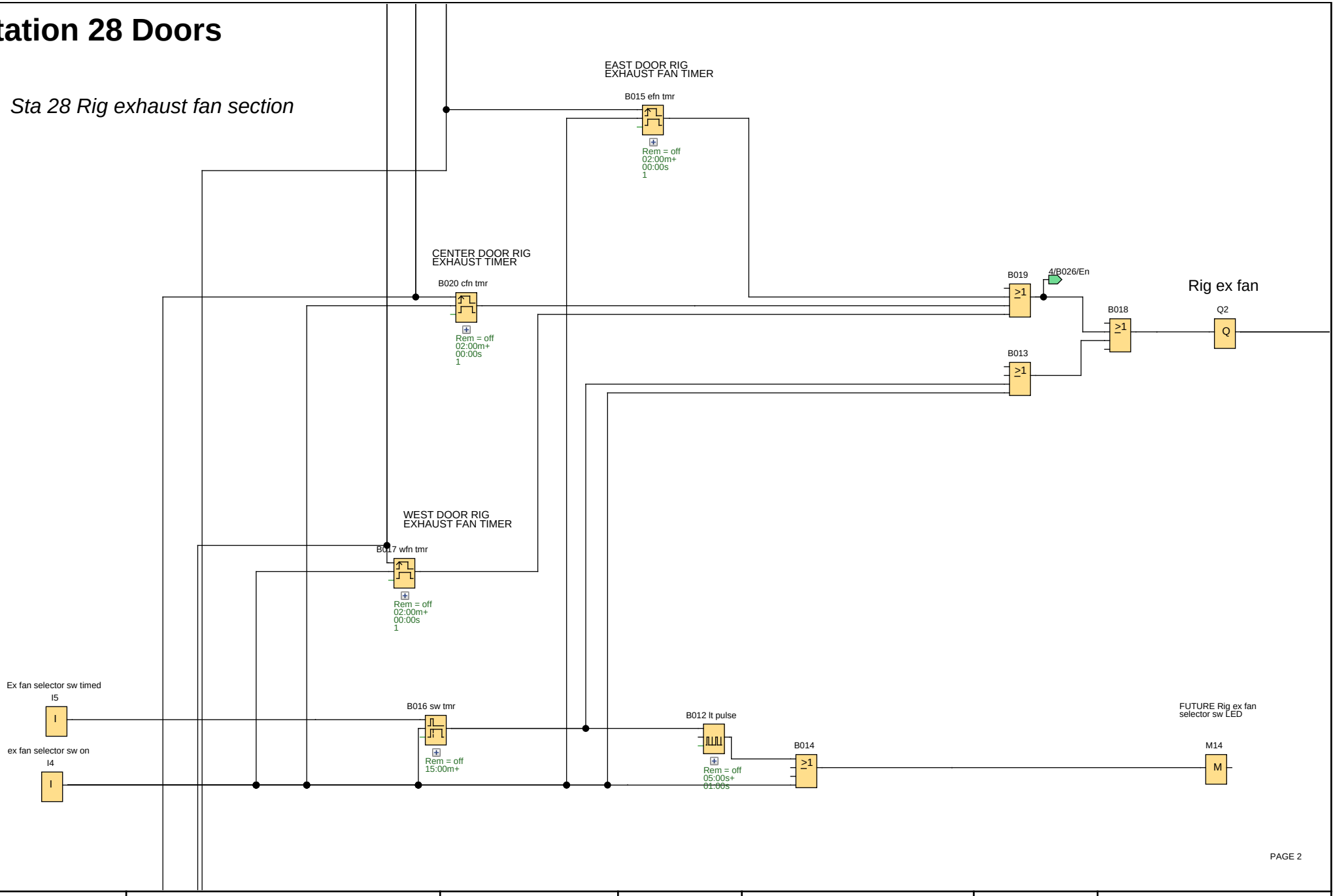
West door counter



Creator:	John Ledbetter	DFD Lineshop	Project:	Station 28 door control	Customer:	Denver Fire Dept.
Checked:	6-13-22		Installation:		Diagram No.:	
Date:	11/17/15 7:13 AM/6/13/22 2:07 PM		File:	Sta 28 drs 6-13-22.lsc	Page:	4 / 18

Station 28 Doors

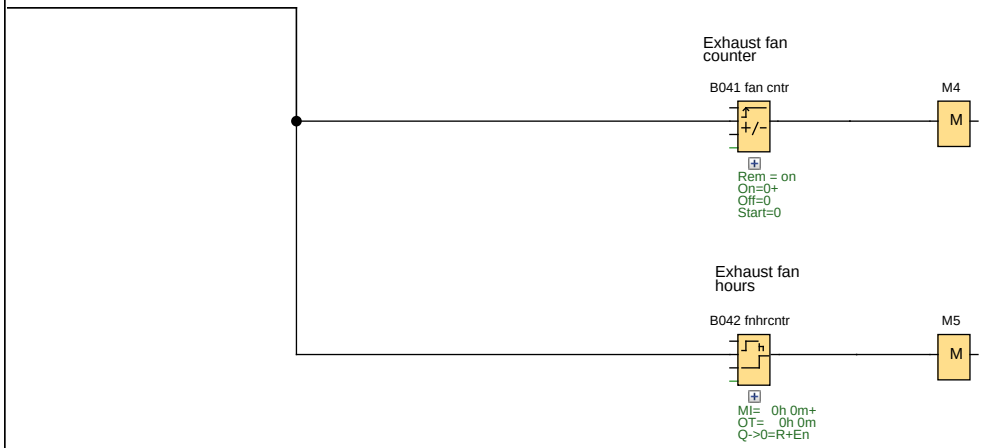
Sta 28 Rig exhaust fan section



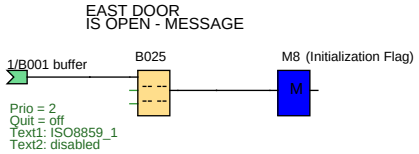
Creator:	John Ledbetter	DFD Lineshop	Project:	Station 28 door control	Customer:	Denver Fire Dept.
Checked:	6-13-22		Installation:		Diagram No.:	
Date:	11/17/15 7:13 AM/6/13/22 2:07 PM		File:	Sta 28 drs 6-13-22.lsc	Page:	5 / 18

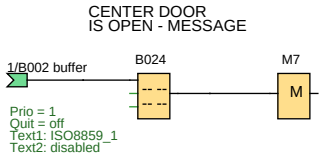
Station 28 Doors

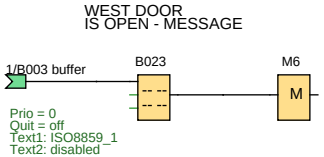
COUNTING SECTION

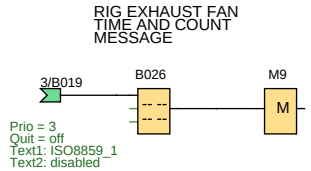


MESSAGE SECTION



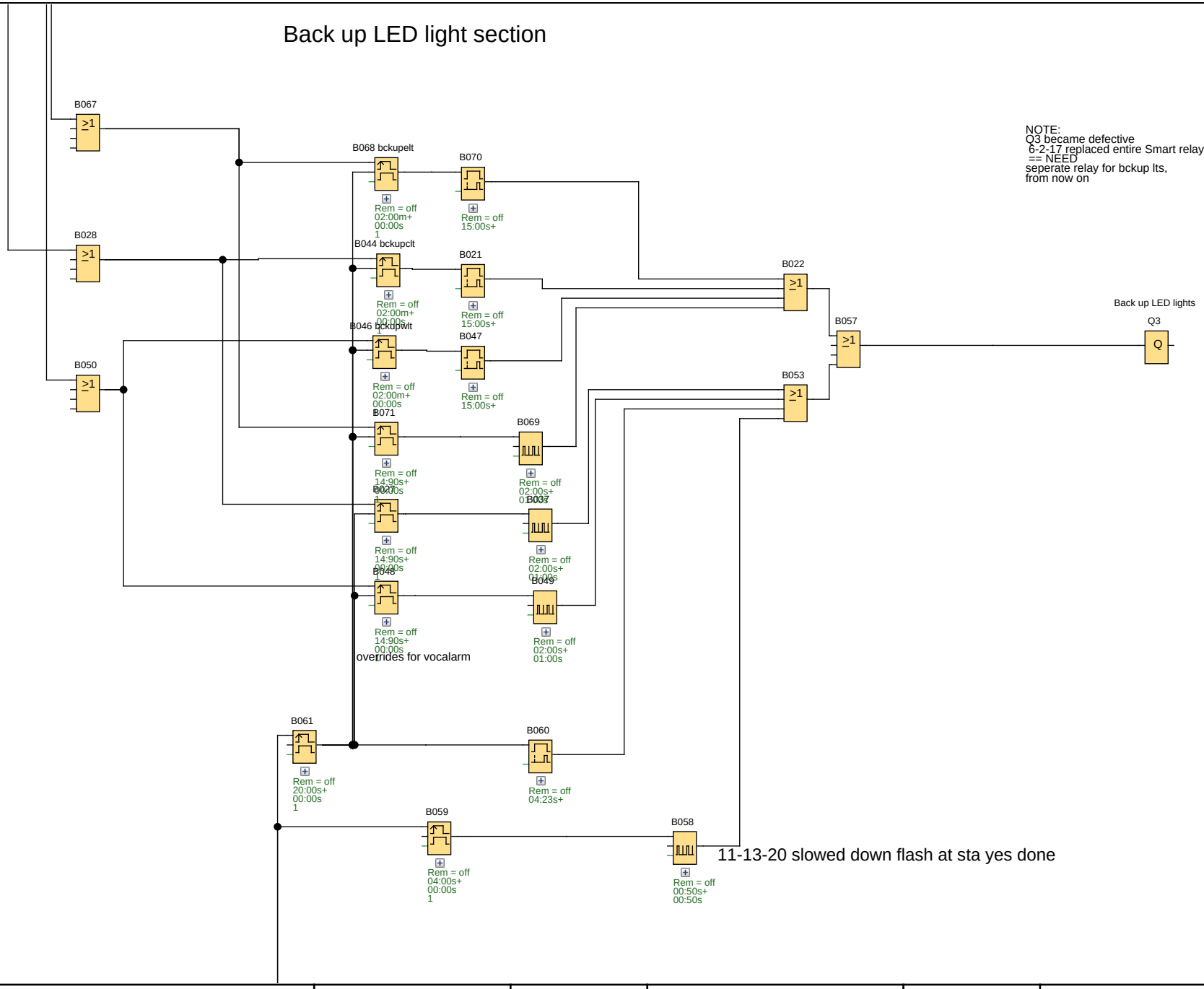






Creator:	John Ledbetter	DFD Lineshop	Project:	Station 28 door control	Customer:	Denver Fire Dept.
Checked:	6-13-22		Installation:		Diagram No.:	
Date:	11/17/15 7:13 AM/6/13/22 2:07 PM		File:	Sta 28 drs 6-13-22.lsc	Page:	6 / 18

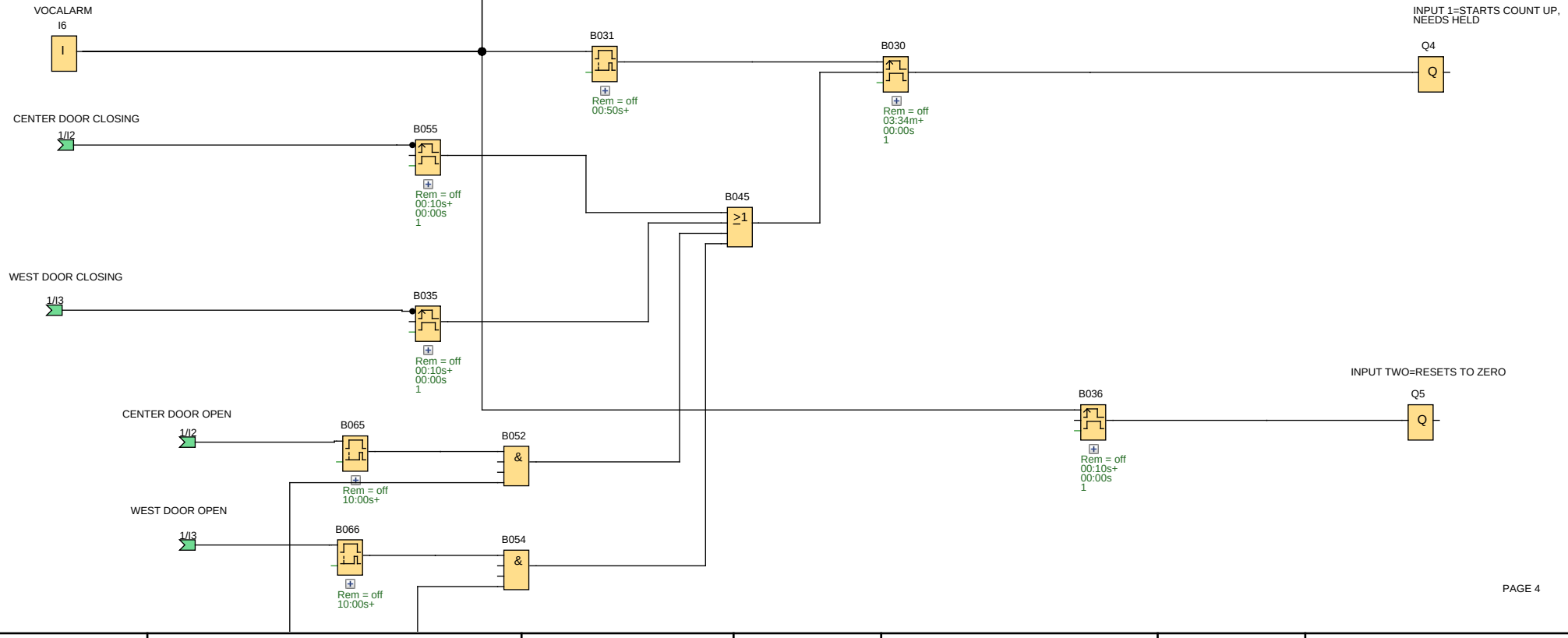
Back up LED light section



Creator:	John Ledbetter	DFD Lineshop	Project:	Station 28 door control	Customer:	Denver Fire Dept.
Checked:	6-13-22		Installation:		Diagram No.:	
Date:	11/17/15 7:13 AM/6/13/22 2:07 PM		File:	Sta 28 drs 6-13-22.lsc	Page:	7 / 18

Creator:	John Ledbetter	DFD Lineshop	Project:	Station 28 door control	Customer:	Denver Fire Dept.
Checked:	6-13-22		Installation:		Diagram No.:	
Date:	11/17/15 7:13 AM/6/13/22 2:07 PM		File:	Sta 28 drs 6-13-22.lsc	Page:	8 / 18

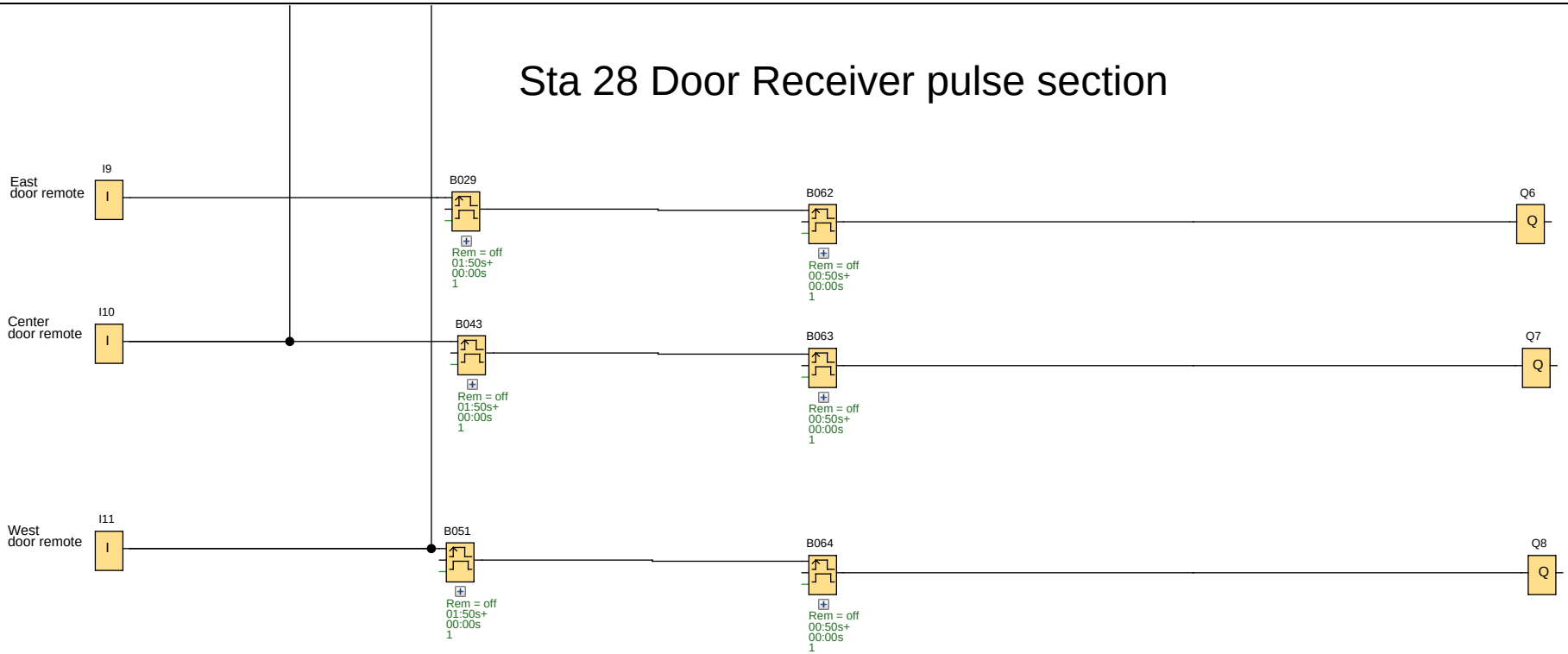
Sta 28 TIMER DISPLAY



Creator:	John Ledbetter	DFD Lineshop	Project:	Station 28 door control	Customer:	Denver Fire Dept.
Checked:	6-13-22		Installation:		Diagram No.:	
Date:	11/17/15 7:13 AM/6/13/22 2:07 PM		File:	Sta 28 drs 6-13-22.lsc	Page:	9 / 18

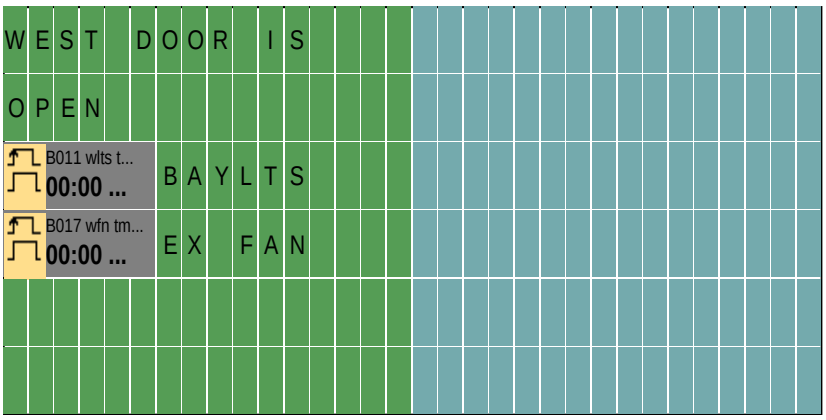
Creator:	John Ledbetter		Project:	Station 28 door control	Customer:	Denver Fire Dept.
Checked:	6-13-22	DFD Lineshop	Installation:		Diagram No.:	
Date:	11/17/15 7:13 AM/6/13/22 2:07 PM		File:	Sta 28 drs 6-13-22.lsc	Page:	10 / 18

Sta 28 Door Receiver pulse section



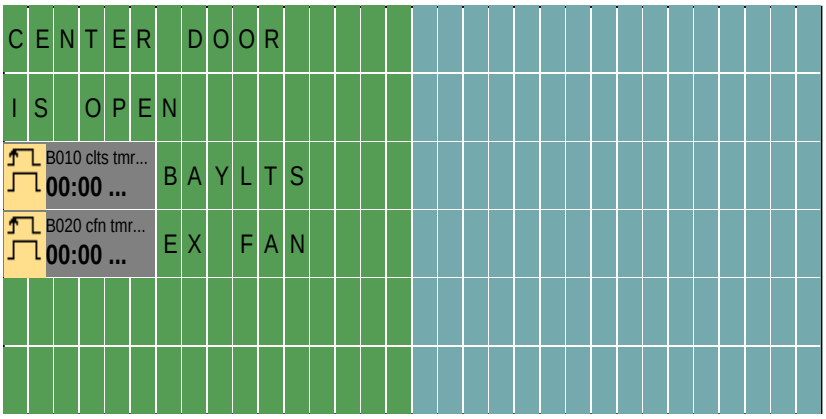
Creator:	John Ledbetter	DFD Lineshop	Project:	Station 28 door control	Customer:	Denver Fire Dept.
Checked:	6-13-22		Installation:		Diagram No.:	
Date:	11/17/15 7:13 AM/6/13/22 2:07 PM		File:	Sta 28 drs 6-13-22.lsc	Page:	11 / 18

Creator:	John Ledbetter		Project:	Station 28 door control	Customer:	Denver Fire Dept.
Checked:	6-13-22	DFD Lineshop	Installation:		Diagram No.:	
Date:	11/17/15 7:13 AM/6/13/22 2:07 PM		File:	Sta 28 drs 6-13-22.lsc	Page:	12 / 18

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 lt 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 TIMER	Rem = off 02:00m+ 00:00s 1
B021(On-delay) :	Rem = off 15:00s+
B023(Message texts) : WEST DOOR IS OPEN - MESSAGE  Line3.1 B011 wlts tmr-THRest Line4.1 B017 wfn 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

B024(Message texts) :
CENTER DOOR
IS OPEN - MESSAGE

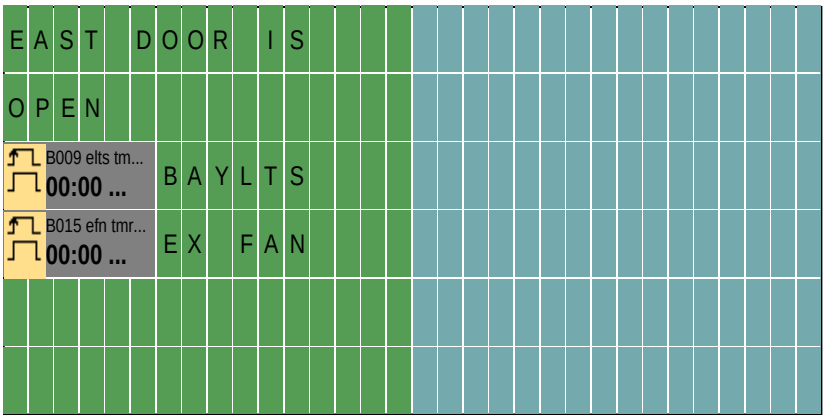


-->

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

Line3.1 B010 clts tmr-THRest
Line4.1 B020 cfn tmr-THRest

B025(Message texts) :
EAST DOOR
IS OPEN - MESSAGE

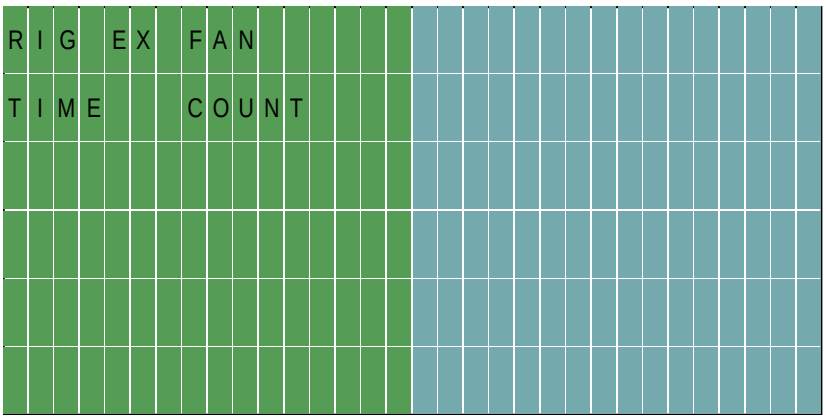


-->

Prio = 2
Quit = off
Text1: enabled
Text2: disabled
Ticker setting
- CBC
- Line1: N
- Line2: N
- Line3: N
- Line4: N
- Line5: N
- Line6: N
Message Destination
- Both

Line3.1 B009 elts tmr-THRest
Line4.1 B015 efn tmr-THRest

B026(Message texts) :
RIG EXHAUST FAN
TIME AND COUNT
MESSAGE



-->

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

B027(Edge-triggered interval time-delay relay) :

Rem = off
14:90s+
00:00s
1

Block Number (Type)	Parameter
B029(Edge-triggered interval time-delay relay) :	Rem = off 01:50s+ 00:00s 1
B030(Edge-triggered interval time-delay relay) :	Rem = off 03:34m+ 00:00s 1
B031(On-delay) :	Rem = off 00:50s+
B032 wdr cntr(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B033 cdr cntr(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B034 edr cntr(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B035(Edge-triggered interval time-delay relay) :	Rem = off 00:10s+ 00:00s 1
B036(Edge-triggered interval time-delay relay) :	Rem = off 00:10s+ 00:00s 1
B037(Asynchronous pulse generator) :	Rem = off 02:00s+ 01:00s
B038 buffer(Edge-triggered interval time-delay relay) :	Rem = off 01:00m+ 00:00s 1
B039 buffer(Edge-triggered interval time-delay relay) :	Rem = off 01:00m+ 00:00s 1
B040 buffer(Edge-triggered interval time-delay relay) :	Rem = off 01:00m+ 00:00s 1
B041 fan cntr(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B042 fnhrcntr(Operating hours counter) :	MI= 0h 0m+ OT= 0h 0m Q->0=R+En
B043(Edge-triggered interval time-delay relay) :	Rem = off 01:50s+ 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 02:00m+ 00:00s 1
B047(On-delay) :	Rem = off 15:00s+
B048(Edge-triggered interval time-delay relay) :	Rem = off 14:90s+ 00:00s 1

Block Number (Type)	Parameter
B049(Asynchronous pulse generator) :	Rem = off 02:00s+ 01:00s
B051(Edge-triggered interval time-delay relay) :	Rem = off 01:50s+ 00:00s 1
B055(Edge-triggered interval time-delay relay) :	Rem = off 00:10s+ 00:00s 1
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 04:23s+
B061(Edge-triggered interval time-delay relay) :	Rem = off 20:00s+ 00:00s 1
B062(Edge-triggered interval time-delay relay) :	Rem = off 00:50s+ 00:00s 1
B063(Edge-triggered interval time-delay relay) :	Rem = off 00:50s+ 00:00s 1
B064(Edge-triggered interval time-delay relay) :	Rem = off 00:50s+ 00:00s 1
B065(On-delay) :	Rem = off 10:00s+
B066(On-delay) :	Rem = off 10:00s+
B068 bckupelt(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B069(Asynchronous pulse generator) :	Rem = off 02:00s+ 01:00s
B070(On-delay) :	Rem = off 15:00s+
B071(Edge-triggered interval time-delay relay) :	Rem = off 14:90s+ 00:00s 1
B072(Astronomical clock) :	Lot: W105°2'56"+ Lat: N39°38'18" TZ: -7 Sunrise offset: 20 Sunset offset: -20
I1(Input) : EAST DOOR	
I2(Input) : CENTER DOOR	
I3(Input) : WEST DOOR	
I4(Input) : ex fan selector sw on	

Block Number (Type)	Parameter
I5(Input) : Ex fan selector sw timed	
I6(Input) : VOCALARM	
I9(Input) : East door remote	
I10(Input) : Center door remote	
I11(Input) : West door remote	
Q1(Output) : APPARATUS BAY LIGHTS	
Q2(Output) : Rig ex fan	
Q3(Output) : Back up LED lights	
Q4(Output) : INPUT 1=STARTS COUNT UP, NEEDS HELD	
Q5(Output) : INPUT TWO=RESETS TO ZERO	

Connection	Label
I1	
I2	
I3	
I4	
I5	
I6	
I9	
I10	
I11	
M1	
M2	
M3	
M4	
M5	
M6	
M7	
M8	Initialization Flag
M9	
M14	
Q1	
Q2	
Q3	
Q4	
Q5	
Q6	
Q7	
Q8	