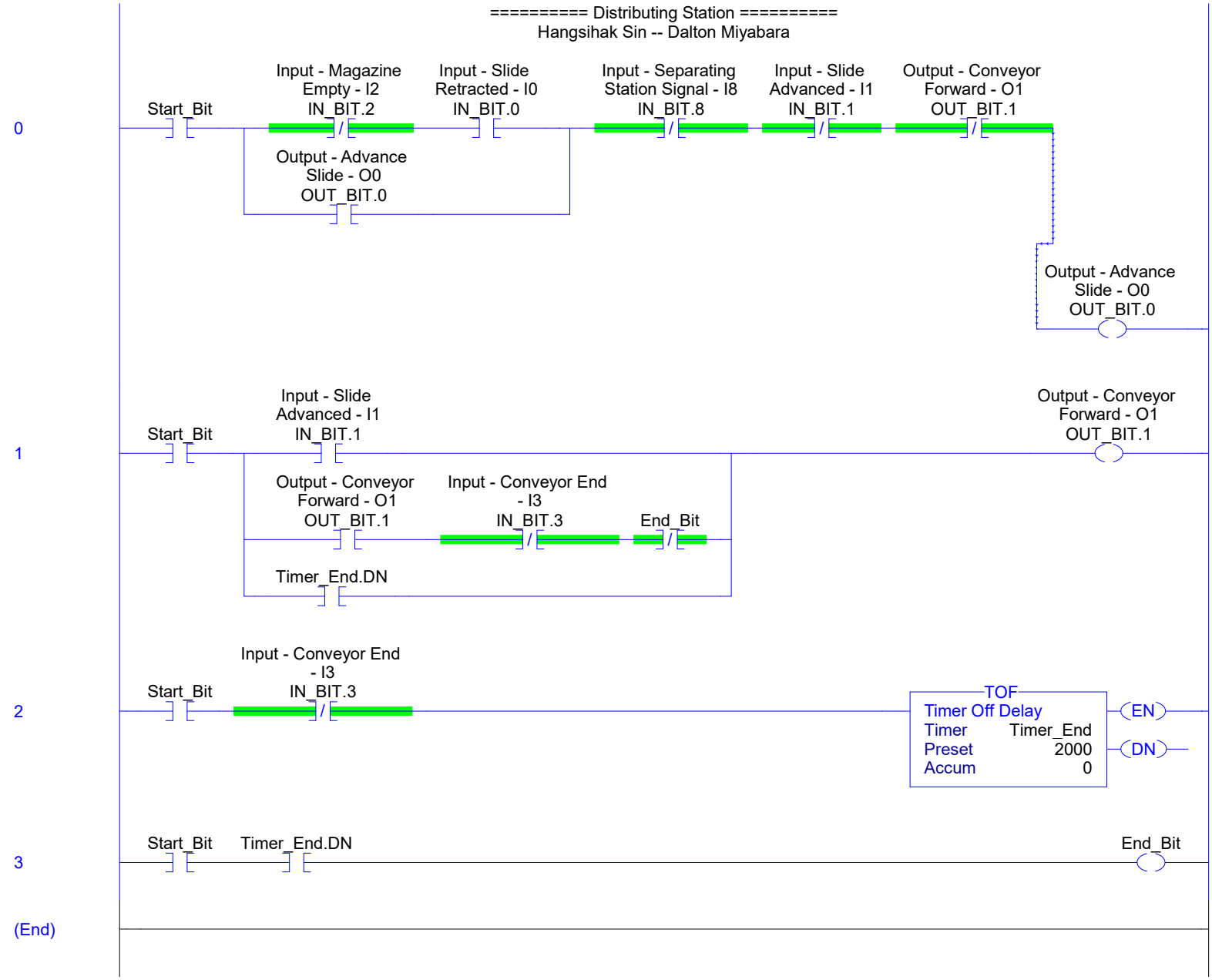
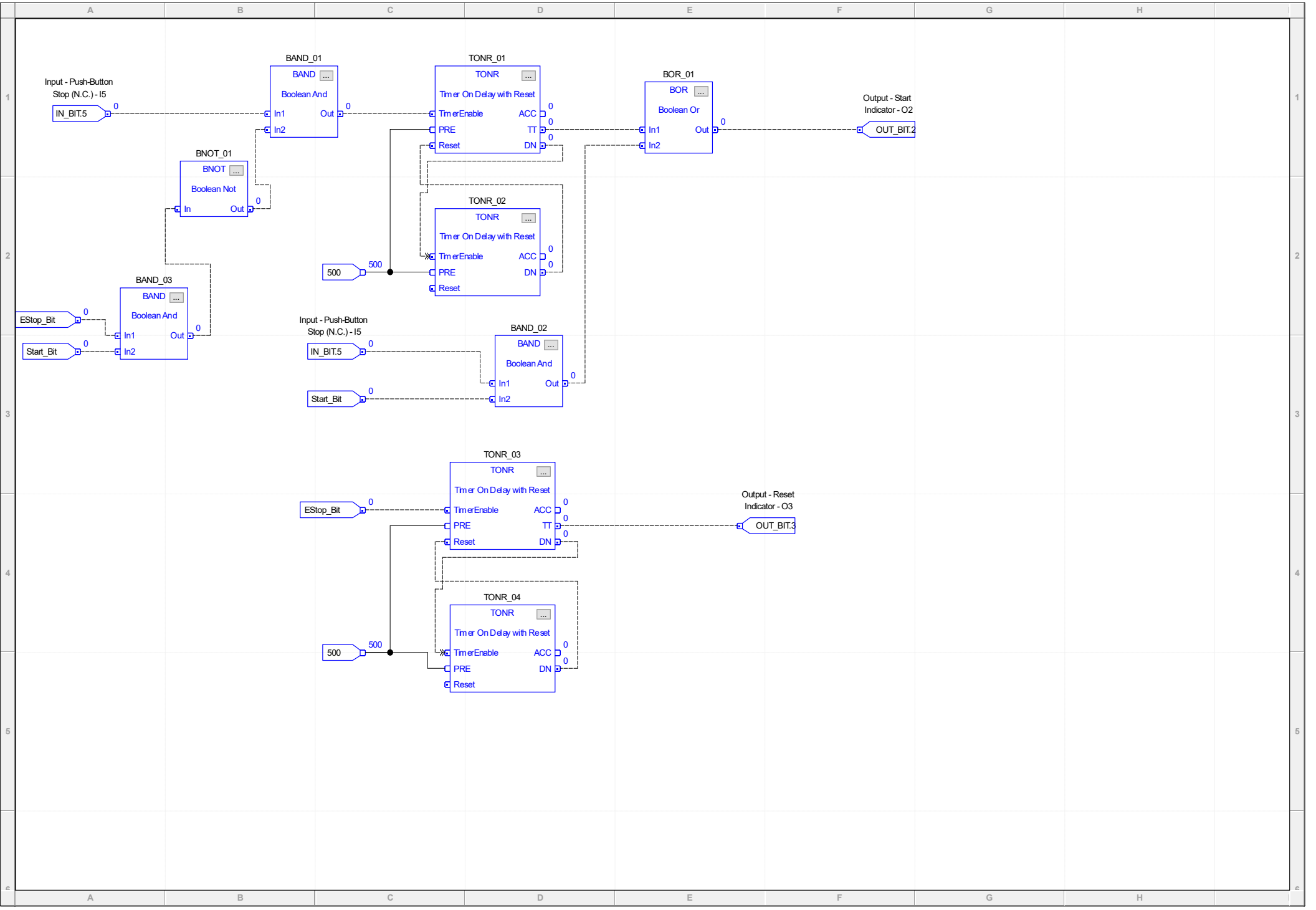
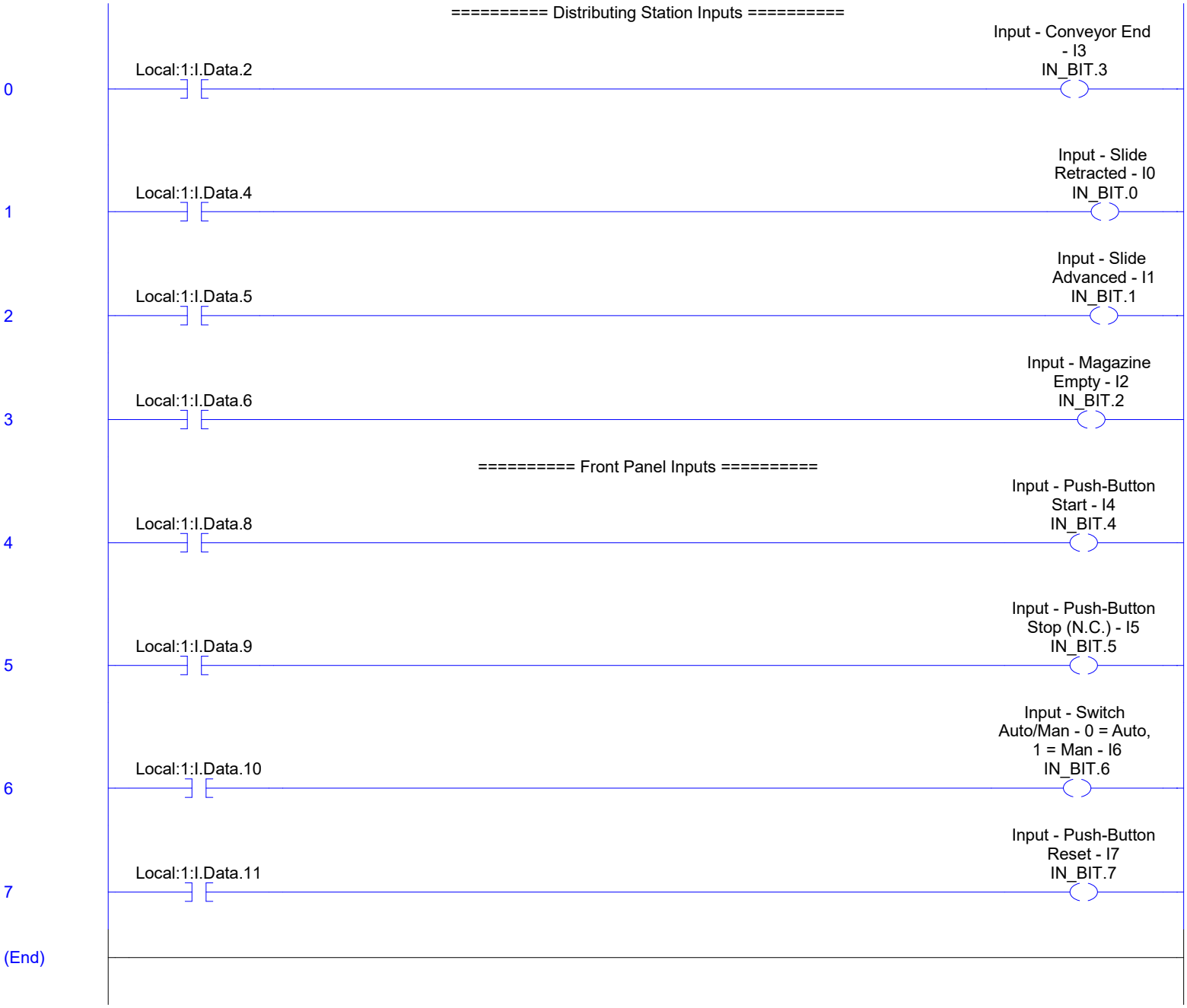
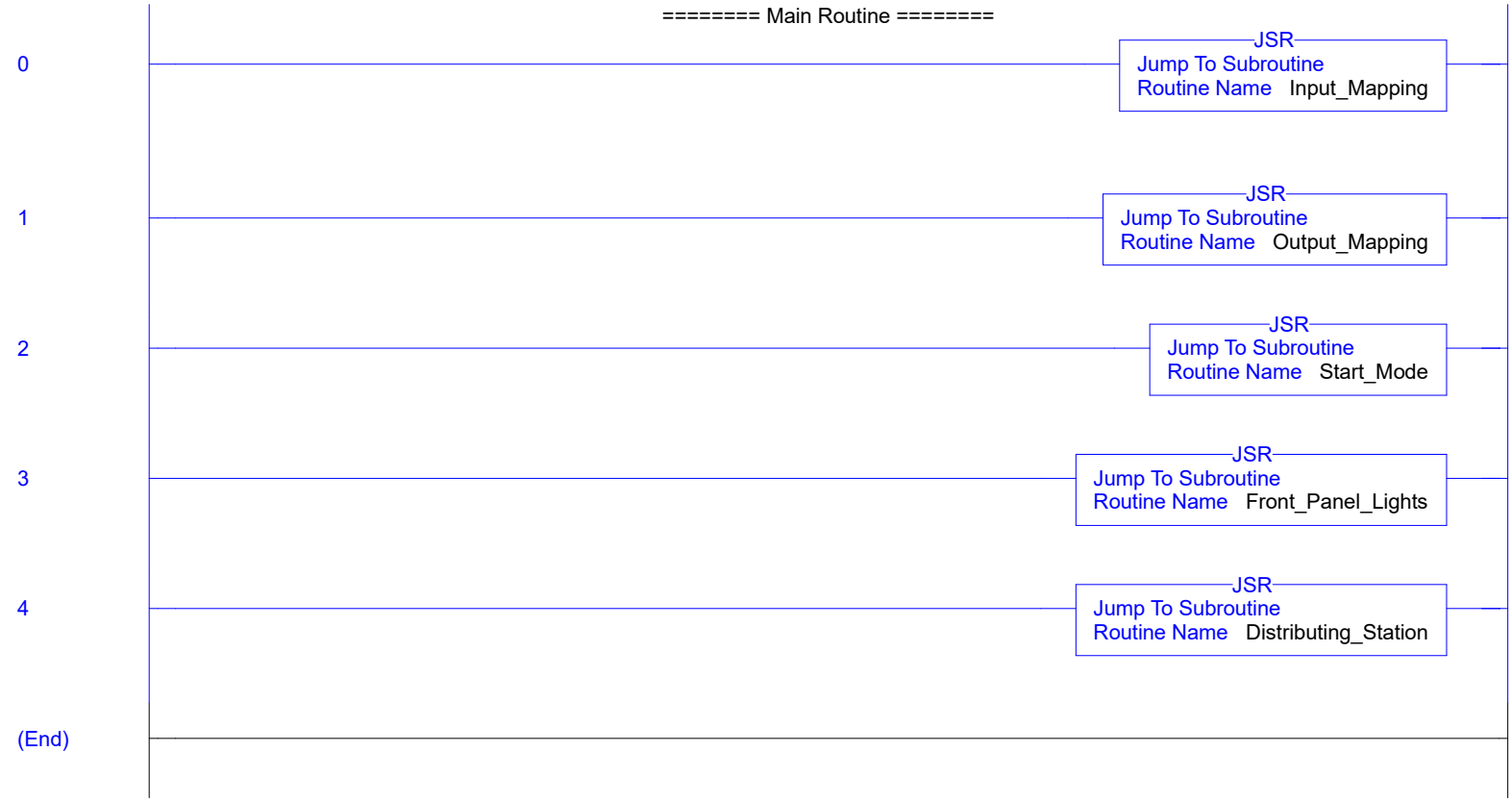
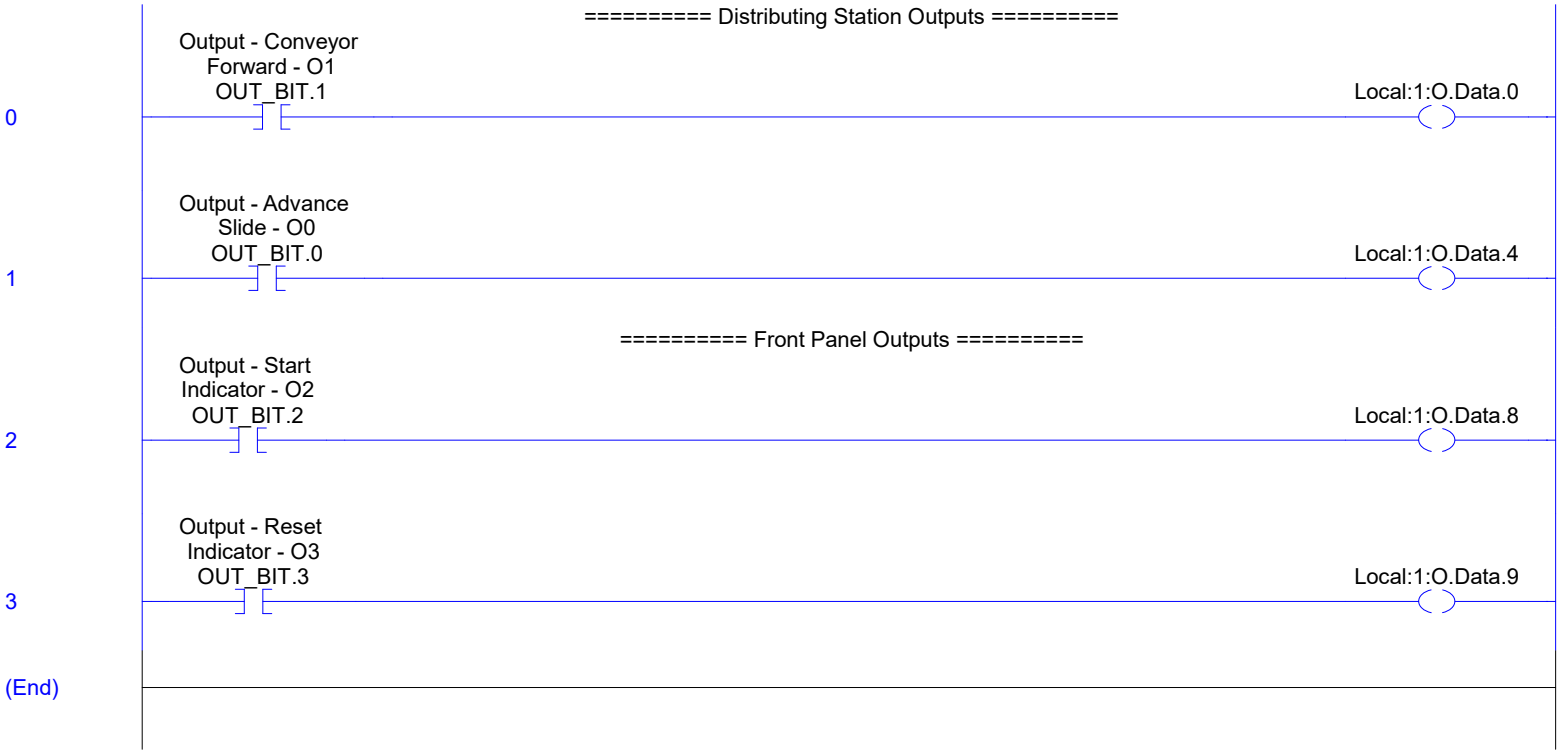
Name	Value	Data Type	Scope
Local:1:I		AB:Embedded_DiscreteIO1:I:0	Distributing_Station
Constant	No		
External Access:	Read/Write		
Local:1:I.Data.2	0	BOOL	
Local:1:I.Data.2 - MainProgram/Input_Mapping - 0(XIC)			
Local:1:I.Data.4	0	BOOL	
Local:1:I.Data.4 - MainProgram/Input_Mapping - 1(XIC)			
Local:1:I.Data.5	0	BOOL	
Local:1:I.Data.5 - MainProgram/Input_Mapping - 2(XIC)			
Local:1:I.Data.6	0	BOOL	
Local:1:I.Data.6 - MainProgram/Input_Mapping - 3(XIC)			
Local:1:I.Data.8	0	BOOL	
Local:1:I.Data.8 - MainProgram/Input_Mapping - 4(XIC)			
Local:1:I.Data.9	0	BOOL	
Local:1:I.Data.9 - MainProgram/Input_Mapping - 5(XIC)			
Local:1:I.Data.10	0	BOOL	
Local:1:I.Data.10 - MainProgram/Input_Mapping - 6(XIC)			
Local:1:I.Data.11	0	BOOL	
Local:1:I.Data.11 - MainProgram/Input_Mapping - 7(XIC)			
Local:1:O		AB:Embedded_DiscreteIO1:O:0	Distributing_Station
Constant	No		
External Access:	Read/Write		
Local:1:O.Data.0	0	BOOL	
*Local:1:O.Data.0 - MainProgram/Output_Mapping - *0(OTE)*			
Local:1:O.Data.4	0	BOOL	
*Local:1:O.Data.4 - MainProgram/Output_Mapping - *1(OTE)*			
Local:1:O.Data.8	0	BOOL	
*Local:1:O.Data.8 - MainProgram/Output_Mapping - *2(OTE)*			
Local:1:O.Data.9	0	BOOL	
*Local:1:O.Data.9 - MainProgram/Output_Mapping - *3(OTE)*			


========== Distributing Station ==========
Hangsihak Sin -- Dalton Miyabara
0
Start_Bit
Input - Magazine Empty - I2
IN_BIT.2
Input - Slide Retracted - I0
IN_BIT.0
Input - Separating Station Signal - I8
IN_BIT.8
Input - Slide Advanced - I1
IN_BIT.1
Output - Conveyor Forward - O1
OUT_BIT.1
Output - Advance Slide - O0
OUT_BIT.0
Output - Advance Slide - O0
OUT_BIT.0
1
Start_Bit
Input - Slide Advanced - I1
IN_BIT.1
Output - Conveyor Forward - O1
OUT_BIT.1
Output - Conveyor Forward - O1
OUT_BIT.1
Input - Conveyor End - I3
IN_BIT.3
End_Bit
Timer_End.DN
2
Start_Bit
Input - Conveyor End - I3
IN_BIT.3
TOF
Timer Off Delay
Timer Timer_End
Preset 2000
Accum 0
EN
DN
3
Start_Bit
Timer_End.DN
End_Bit
(End)


BAND_01
BAND
Boolean And
In1
In2
Out
Input - Push-Button
Stop (N.C.) - I5
IN_BIT.5
TONR_01
TONR
Timer On Delay with Reset
TimerEnable
PRE
Reset
ACC
TT
DN
BOR_01
BOR
Boolean Or
Output - Start
Indicator - O2
OUT_BIT.2
BNOT_01
BNOT
Boolean Not
In
TONR_02
500
BAND_03
EStop_Bit
Start_Bit
Input - Push-Button
Stop (N.C.) - I5
BAND_02
TONR_03
Output - Reset
Indicator - O3
OUT_BIT.3
TONR_04


========== Distributing Station Inputs ==========
Local:1:I.Data.2
Input - Conveyor End - I3
IN_BIT.3
0
Local:1:I.Data.4
Input - Slide Retracted - I0
IN_BIT.0
1
Local:1:I.Data.5
Input - Slide Advanced - I1
IN_BIT.1
2
Local:1:I.Data.6
Input - Magazine Empty - I2
IN_BIT.2
3
========== Front Panel Inputs ==========
Local:1:I.Data.8
Input - Push-Button Start - I4
IN_BIT.4
4
Local:1:I.Data.9
Input - Push-Button Stop (N.C.) - I5
IN_BIT.5
5
Local:1:I.Data.10
Input - Switch Auto/Man - 0 = Auto, 1 = Man - I6
IN_BIT.6
6
Local:1:I.Data.11
Input - Push-Button Reset - I7
IN_BIT.7
7
(End)


======== Main Routine ========
0
JSR
Jump To Subroutine
Routine Name Input_Mapping
1
JSR
Jump To Subroutine
Routine Name Output_Mapping
2
JSR
Jump To Subroutine
Routine Name Start_Mode
3
JSR
Jump To Subroutine
Routine Name Front_Panel_Lights
4
JSR
Jump To Subroutine
Routine Name Distributing_Station
(End)


========== Distributing Station Outputs ==========
Output - Conveyor Forward - O1
OUT_BIT.1
Local:1:O.Data.0
0
Output - Advance Slide - O0
OUT_BIT.0
Local:1:O.Data.4
1
========== Front Panel Outputs ==========
Output - Start Indicator - O2
OUT_BIT.2
Local:1:O.Data.8
2
Output - Reset Indicator - O3
OUT_BIT.3
Local:1:O.Data.9
3
(End)

Name	Value	Data Type	Scope
BAND_01		FBD_BOOLEAN_AND	MainProgram
Constant	No		
External Access:	Read/Write		
*BAND_01 - MainProgram/Front_Panel_Lights - *1-A1(IREF,IN_BIT.5), *1-B1(BAND,BAND_01), *1-B1(BNOT,BNOT_01.Out), *1-C1(TONR,TONR_01.TimerEnable)*			
BAND_02		FBD_BOOLEAN_AND	MainProgram
Constant	No		
External Access:	Read/Write		
*BAND_02 - MainProgram/Front_Panel_Lights - *1-C3(IREF,IN_BIT.5), *1-C3(IREF,Start_Bit), *1-D3(BAND,BAND_02), *1-E1(BOR,BOR_01.In2)*			
BAND_03		FBD_BOOLEAN_AND	MainProgram
Constant	No		
External Access:	Read/Write		
*BAND_03 - MainProgram/Front_Panel_Lights - *1-A2(BAND,BAND_03), *1-A2(IREF,EStop_Bit), *1-A3(IREF,Start_Bit), *1-B1(BNOT,BNOT_01.In)*			
BNOT_01		FBD_BOOLEAN_NOT	MainProgram
Constant	No		
External Access:	Read/Write		
*BNOT_01 - MainProgram/Front_Panel_Lights - *1-A2(BAND,BAND_03.Out), *1-B1(BAND,BAND_01.In2), *1-B1(BNOT,BNOT_01)*			
BOR_01		FBD_BOOLEAN_OR	MainProgram
Constant	No		
External Access:	Read/Write		
*BOR_01 - MainProgram/Front_Panel_Lights - *1-C1(TONR,TONR_01.TT), *1-D3(BAND,BAND_02.Out), *1-E1(BOR,BOR_01), *1-F1(OREF,OUT_BIT.2)*			
End_Bit	0	BOOL	MainProgram
Constant	No		
External Access:	Read/Write		
*End_Bit - MainProgram/Distributing_Station - *3(OTE), 1(XIO)*			
EStop_Bit	0	BOOL	MainProgram
Constant	No		
External Access:	Read/Write		
EStop_Bit - MainProgram/Front_Panel_Lights - 1-A2(BAND,BAND_03.In1), 1-A2(IREF,EStop_Bit), 1-C3(TONR,TONR_03.TimerEnable), 1-C4(IREF,EStop_Bit)			
*EStop_Bit - MainProgram/Start_Mode - *1(OTL), *2(OTU), 0(XIO)*			
IN_BIT	0	DINT	MainProgram
Constant	No		
External Access:	Read/Write		
IN_BIT.0	0	BOOL	
Input - Slide Retracted - I0			
IN_BIT.0 - MainProgram/Distributing_Station - 0(XIC)			
*IN_BIT.0 - MainProgram/Input_Mapping - *1(OTE)*			
IN_BIT.1	0	BOOL	
Input - Slide Advanced - I1			
IN_BIT.1 - MainProgram/Distributing_Station - 0(XIO), 1(XIC)			
*IN_BIT.1 - MainProgram/Input_Mapping - *2(OTE)*			
IN_BIT.2	0	BOOL	
Input - Magazine Empty - I2			
IN_BIT.2 - MainProgram/Distributing_Station - 0(XIO)			
*IN_BIT.2 - MainProgram/Input_Mapping - *3(OTE)*			
IN_BIT.3	0	BOOL	
Input - Conveyor End - I3			
IN_BIT.3 - MainProgram/Distributing_Station - 1(XIO), 2(XIO)			
*IN_BIT.3 - MainProgram/Input_Mapping - *0(OTE)*			
IN_BIT.4	0	BOOL	
Input - Push-Button Start - I4			
*IN_BIT.4 - MainProgram/Input_Mapping - *4(OTE)*			

IN_BIT (Continued)
IN_BIT.4 - MainProgram/Start_Mode - 0(XIC)

IN_BIT.5 0 BOOL
Input - Push-Button Stop (N.C.) - I5
IN_BIT.5 - MainProgram/Front_Panel_Lights - 1-A1(IREF,IN_BIT.5), 1-B1(BAND,BAND_01.In1), 1-C3(IREF,IN_BIT.5), 1-D3(BAND,BAND_02.In1)
*IN_BIT.5 - MainProgram/Input_Mapping - *5(OTE)*
IN_BIT.5 - MainProgram/Start_Mode - 0(XIC), 1(XIO), 2(XIC)

IN_BIT.6 0 BOOL
Input - Switch Auto/Man - 0 = Auto, 1 = Man - I6
*IN_BIT.6 - MainProgram/Input_Mapping - *6(OTE)*
IN_BIT.6 - MainProgram/Start_Mode - 2(XIC)

IN_BIT.7 0 BOOL
Input - Push-Button Reset - I7
*IN_BIT.7 - MainProgram/Input_Mapping - *7(OTE)*
IN_BIT.7 - MainProgram/Start_Mode - 2(XIC)

IN_BIT.8 0 BOOL
Input - Separating Station Signal - I8
IN_BIT.8 - MainProgram/Distributing_Station - 0(XIO)

OUT_BIT 0 DINT MainProgram
Constant No
External Access: Read/Write

OUT_BIT.0 0 BOOL
Output - Advance Slide - O0
*OUT_BIT.0 - MainProgram/Distributing_Station - *0(OTE), 0(XIC)*
OUT_BIT.0 - MainProgram/Output_Mapping - 1(XIC)

OUT_BIT.1 0 BOOL
Output - Conveyor Forward - O1
*OUT_BIT.1 - MainProgram/Distributing_Station - *1(OTE), 0(XIO), 1(XIC)*
OUT_BIT.1 - MainProgram/Output_Mapping - 0(XIC)

OUT_BIT.2 0 BOOL
Output - Start Indicator - O2
*OUT_BIT.2 - MainProgram/Front_Panel_Lights - *1-F1(OREF,OUT_BIT.2), 1-E1(BOR,BOR_01.Out)*
OUT_BIT.2 - MainProgram/Output_Mapping - 2(XIC)

OUT_BIT.3 0 BOOL
Output - Reset Indicator - O3
*OUT_BIT.3 - MainProgram/Front_Panel_Lights - *1-E4(OREF,OUT_BIT.3), 1-C3(TONR,TONR_03.TT)*
OUT_BIT.3 - MainProgram/Output_Mapping - 3(XIC)

OUT_BIT.4 0 BOOL
Output - Station Out Signal - O4

Start_Bit 0 BOOL MainProgram
Constant No
External Access: Read/Write
Start_Bit - MainProgram/Distributing_Station - 0(XIC), 1(XIC), 2(XIC), 3(XIC)
Start_Bit - MainProgram/Front_Panel_Lights - 1-A2(BAND,BAND_03.In2), 1-A3(IREF,Start_Bit), 1-C3(IREF,Start_Bit), 1-D3(BAND,BAND_02.In2)
*Start_Bit - MainProgram/Start_Mode - *0(OTE), 0(XIC)*

Timer_End TIMER MainProgram
Constant No
External Access: Read/Write
*Timer_End - MainProgram/Distributing_Station - *2(TOF)*

Timer_End.DN 0 BOOL
Timer_End.DN - MainProgram/Distributing_Station - 1(XIC), 3(XIC)

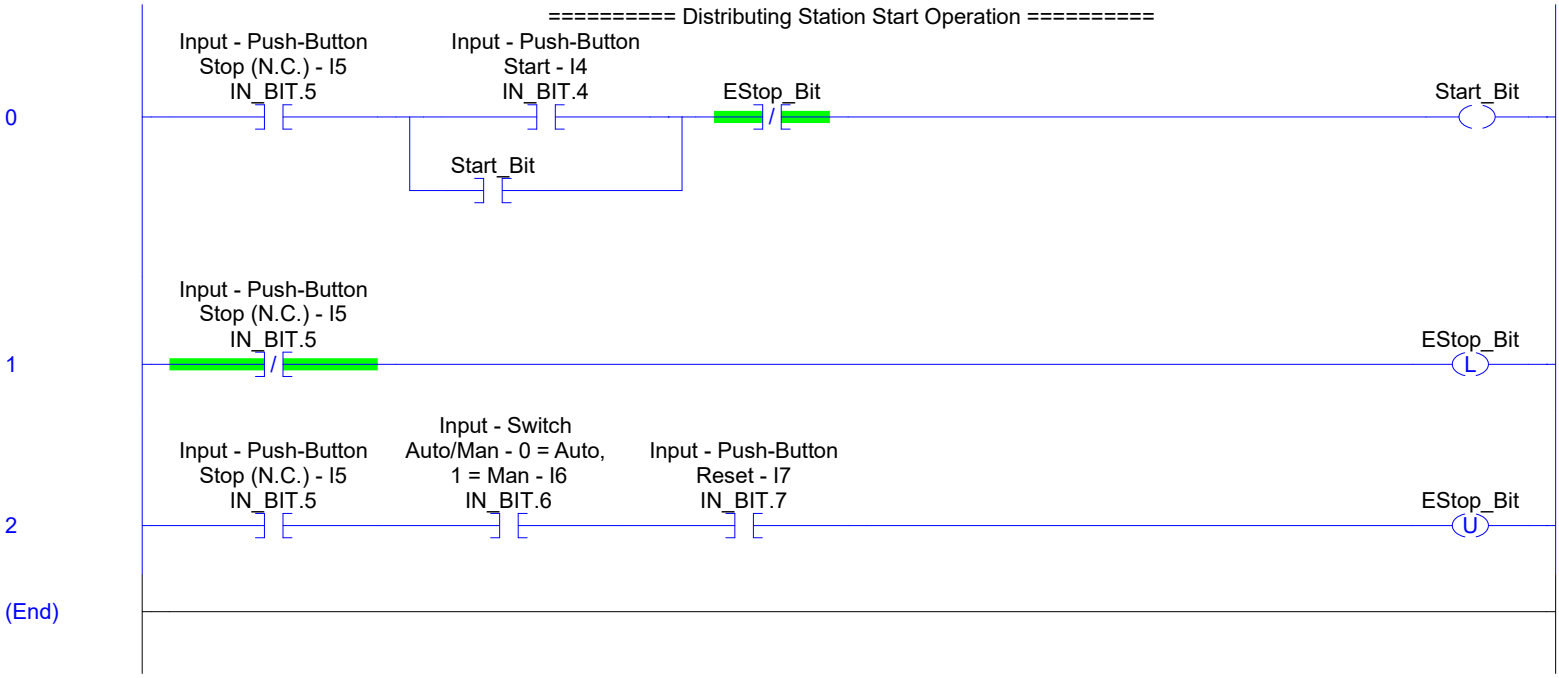
TONR_01 FBD_TIMER MainProgram
Constant No
External Access: Read/Write
*TONR_01 - MainProgram/Front_Panel_Lights - *1-B1(BAND,BAND_01.Out), *1-C1(TONR,TONR_01), *1-C2(IREF,500), *1-C2(TONR,TONR_02.DN), *1-C2(TONR,TONR_02.TimerEnable), *1-E1(BOR,BOR_01.In1)*

TONR_02 FBD_TIMER MainProgram

TONR_02 (Continued)
Constant No
External Access: Read/Write
*TONR_02 - MainProgram/Front_Panel_Lights - *1-C1(TONR,TONR_01.DN), *1-C1(TONR,TONR_01.Reset), *1-C2(IREF,500), *1-C2(TONR,TONR_02)*

TONR_03 FBD_TIMER MainProgram
Constant No
External Access: Read/Write
*TONR_03 - MainProgram/Front_Panel_Lights - *1-C3(TONR,TONR_03), *1-C4(IREF,EStop_Bit), *1-C4(TONR,TONR_04.DN), *1-C4(TONR,TONR_04.TimerEnable), *1-C5(IREF,500), *1-E4(OREF,OUT_BIT.3)*

TONR_04 FBD_TIMER MainProgram
Constant No
External Access: Read/Write
*TONR_04 - MainProgram/Front_Panel_Lights - *1-C3(TONR,TONR_03.DN), *1-C3(TONR,TONR_03.Reset), *1-C4(TONR,TONR_04), *1-C5(IREF,500)*


========== Distributing Station Start Operation ==========
Input - Push-Button Stop (N.C.) - I5 IN_BIT.5
Input - Push-Button Start - I4 IN_BIT.4
EStop_Bit
Start_Bit
0
Start_Bit
Input - Push-Button Stop (N.C.) - I5 IN_BIT.5
EStop_Bit
1
L
Input - Push-Button Stop (N.C.) - I5 IN_BIT.5
Input - Switch Auto/Man - 0 = Auto, 1 = Man - I6 IN_BIT.6
Input - Push-Button Reset - I7 IN_BIT.7
EStop_Bit
2
U
(End)