Author D.1. Querdefined D. Gomment Family see Blevator Tout Tou	eral e Advance Elevator bering Automatic	Number 1	Туре	FC	Language LAD	
put			Comment		Family	
Dut Input Input Imput Impu	nce Elevator					
and the property of the proper	ut	рата туре	Detault value	Comment		
ork 2:						
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Start* * **Start* *** **Start light* 1						
MOVE Start light Start l		%l1.6 "Start"		%Q0.0 "Conveyor 0"		
**** ********************************						
MOVE				%Q1.3 "Start light"		
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***Si0.5 **At exit** N			EN — ENO			
#M0.5 "At exit" N				n"		
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"At exit" N EN	ork 2:					
"At exit" N EN						
%M0.0 "Tag_1" %Q0.4 "Exit Conveyor" { \$ } %Q0.0 "Conveyor 0" { \$ }		"At exit"	Dint			
%Q0.4 "Exit Conveyor" { \$ } %Q0.0 "Conveyor 0" { \$ }		%M0.0	%QD30			
"Exit Conveyor" (S) %Q0.0 "Conveyor 0" (S)		lag_i	"Display" — IN/OUT			
%Q0.0 "Conveyor 0" ————————————————————————————————————				"Exit Conveyor"		
"Conveyor 0" (S)				(s)		
(s)——				%Q0.0 "Conveyor 0"		
york 3:						
rork 3:						
	ork 3:					

Totally Integrated **Automation Portal** %MW4 "Position" **%Q0.5** "Load" %10.3 "At Elevator" |==| |nt| -| N |-**%M0.1** "Tag_2" %I0.3 "At Elevator" **%Q0.0** "Conveyor 0" \dashv P \vdash -(R)-**%M0.2** "Tag_3" %Q0.4 "Exit Conveyor" _(R)_ **%I0.4** "at Entry" **%Q0.5** "Load" ⊢P ⊢ **-(** R **)**−

> **%Q0.7** "Up"

%Q0.7 "Up"

%Q0.1 "Conveyor 1" ———(S)

> **%Q1.0** "Down"

%Q0.1 "Conveyor 1"

> **%Q1.0** "Down"

-(R **)**-

%MW4
— "Position"

2 — IN

_(R)___

%DB1"IEC_Timer_0_DB"

Q-

ET — T#0ms

- IN

T#7s — **PT**

%M0.3 "Tag_4"

%Q0.7 "Up"

%l1.0 "At 1 Low"

%Q0.1 "Conveyor 1"

> **%Q1.0** "Down"

 $\dashv \vdash$

%I1.0"At 1 Low"

%l1.1 "At 1 High"

> **%I0.0** "at 1"

 \dashv P \vdash

%M0.4"Tag_5"

%I0.6"At 0 Low"

 \dashv \vdash

Network 4:

Totally Integrated **Automation Portal** %MW4 "Position" %I0.3 "At Elevator" **%Q0.5** "Load" == Int 2 -| N |-**%M0.6** "Tag_7" %I0.3 "At Elevator" **%Q0.0** "Conveyor 0" \dashv P \vdash -(R)-**%M0.7** "Tag_8" %Q0.4 "Exit Conveyor" _(R)_ **%I0.4** "at Entry" **%Q0.5** "Load" ⊢P ⊢ **-(** R **)**− <mark>%M1.0</mark> "Tag_9" **%Q0.7** "Up"

%Q0.7 "Up"

%l1.2 "At 2 Low"

%Q0.2 "Conveyor 2"

> **%Q1.0** "Down" **+** +

%l1.2 "At 2 Low"

%l1.3"At 2 High"

%I0.1 "At 2"

 \dashv P \vdash

%M1.1 "Tag_10"

%I0.6"At 0 Low"

+ +

%Q0.7 "Up"

%Q0.2 "Conveyor 2" _(s)__

%Q1.0 "Down"

%Q0.2 "Conveyor 2"

—(R)—

%Q1.0 "Down"

-(R)-

%Q0.5 "Load"

MOVE

OUT1 — "Position"

3 — IN

%DB2 "IEC_Timer_0_ DB_1"

Q-

TON Time

Network 5:

Totally Integrated **Automation Portal** %MW4 "Position" %I0.3 "At Elevator" **%Q0.5** "Load" | == | Int **%M1.3** "Tag_12" %I0.3 "At Elevator" **%Q0.0** "Conveyor 0" \dashv P \vdash -(R)-**%M1.4** "Tag_13" **%Q0.4**"Exit Conveyor" _(R)_ **%I0.4** "at Entry" **%Q0.5** "Load" ⊢P ⊢ **-(** R **)**-**%M1.5** "Tag_14" **%Q0.7** "Up" **%Q0.7** "Up" **%l1.4** "At 3 Low" **%Q0.7** "Up" %Q0.3 "Conveyor 3" **_(** s)__ %DB3 "IEC_Timer_O_ DB_2" TON Time **%l1.4** "At 3 Low" **%I1.5**"At 3 High" **%Q1.0** "Down" Q-%Q0.3 "Conveyor 3" **%I0.2** "At 3" **%Q0.3** "Conveyor 3" \dashv P \vdash —(R)— **%M1.6** "Tag_15" **%I0.6**"At 0 Low" **%Q1.0** "Down" **%Q1.0** "Down" **+** + -(R)-**%Q0.5** "Load" MOVE OUT1 — "Position" 1 — IN