

TECHNICAL DOCUMENTATION

Example 9.4

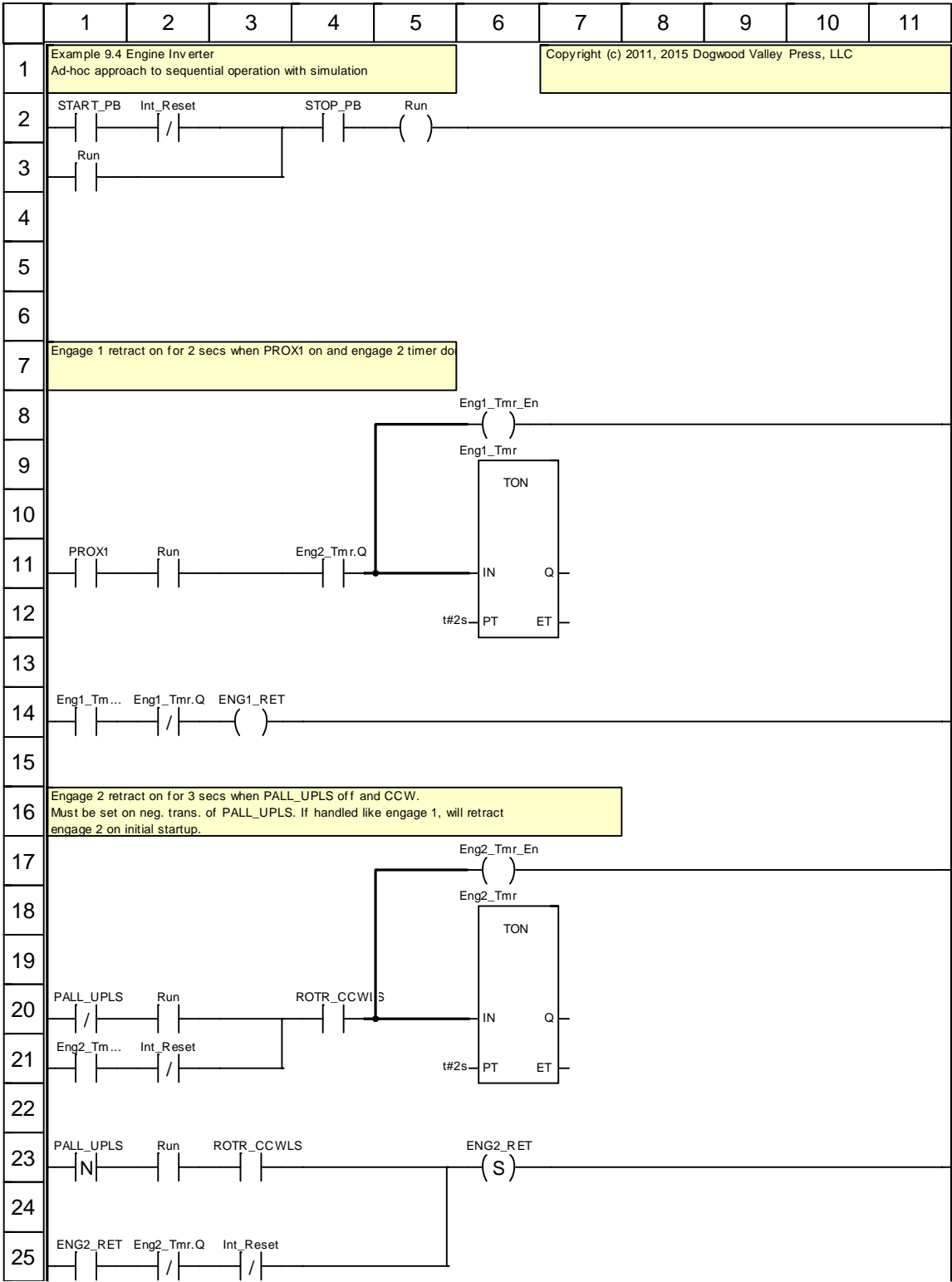
Project	Example 9.4
Designer	
Application	example_9_4.stu
Software Version	ControlExpert V15.0-SP1
Creation Date	6/16/2023 8:08:55 AM
Last Modification Date	6/16/2023 8:14:15 AM
Target PLC	BMX P34 1000 02.00CPU 340-10 Modbus

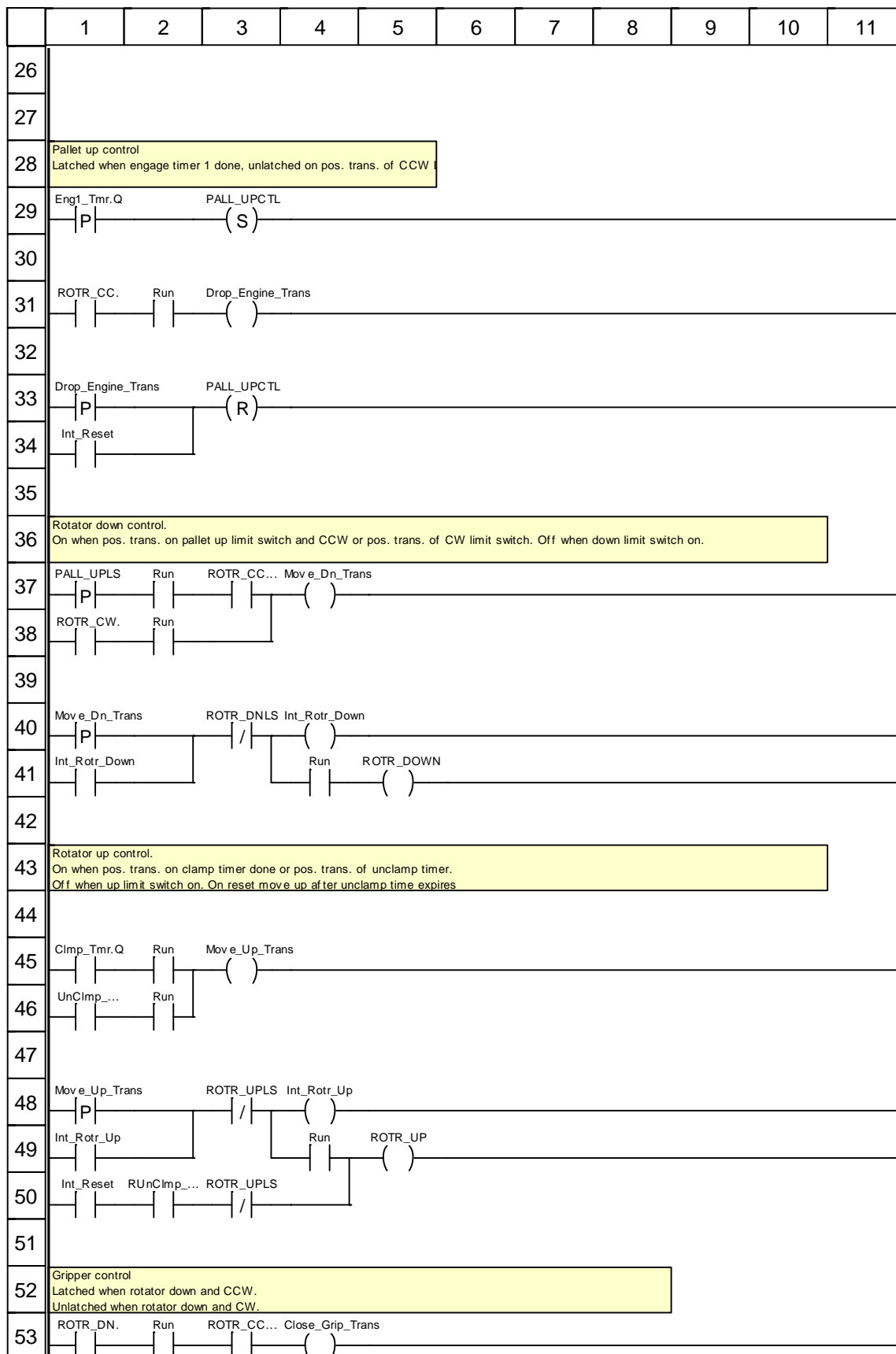
MAST

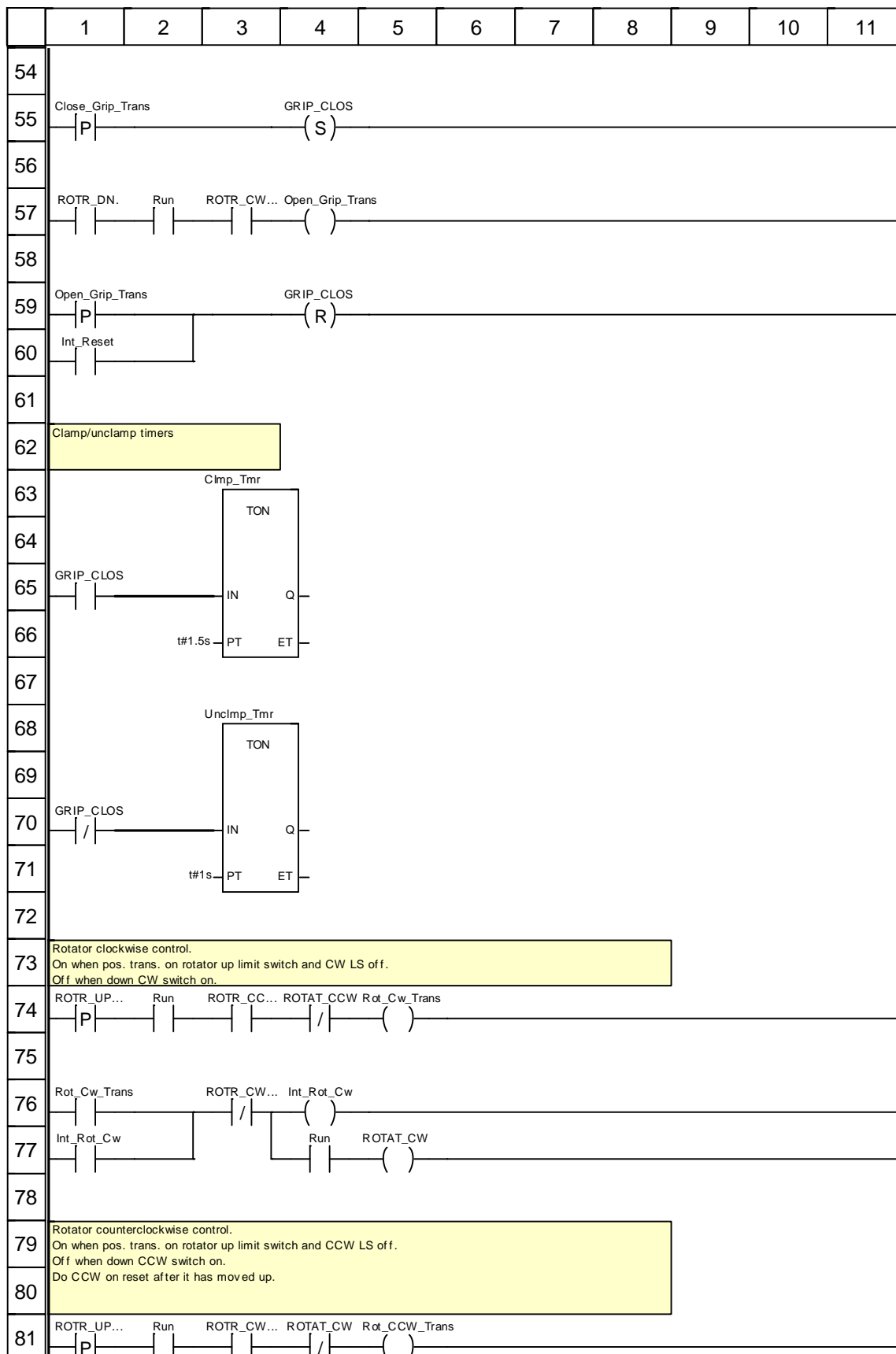
Specific properties

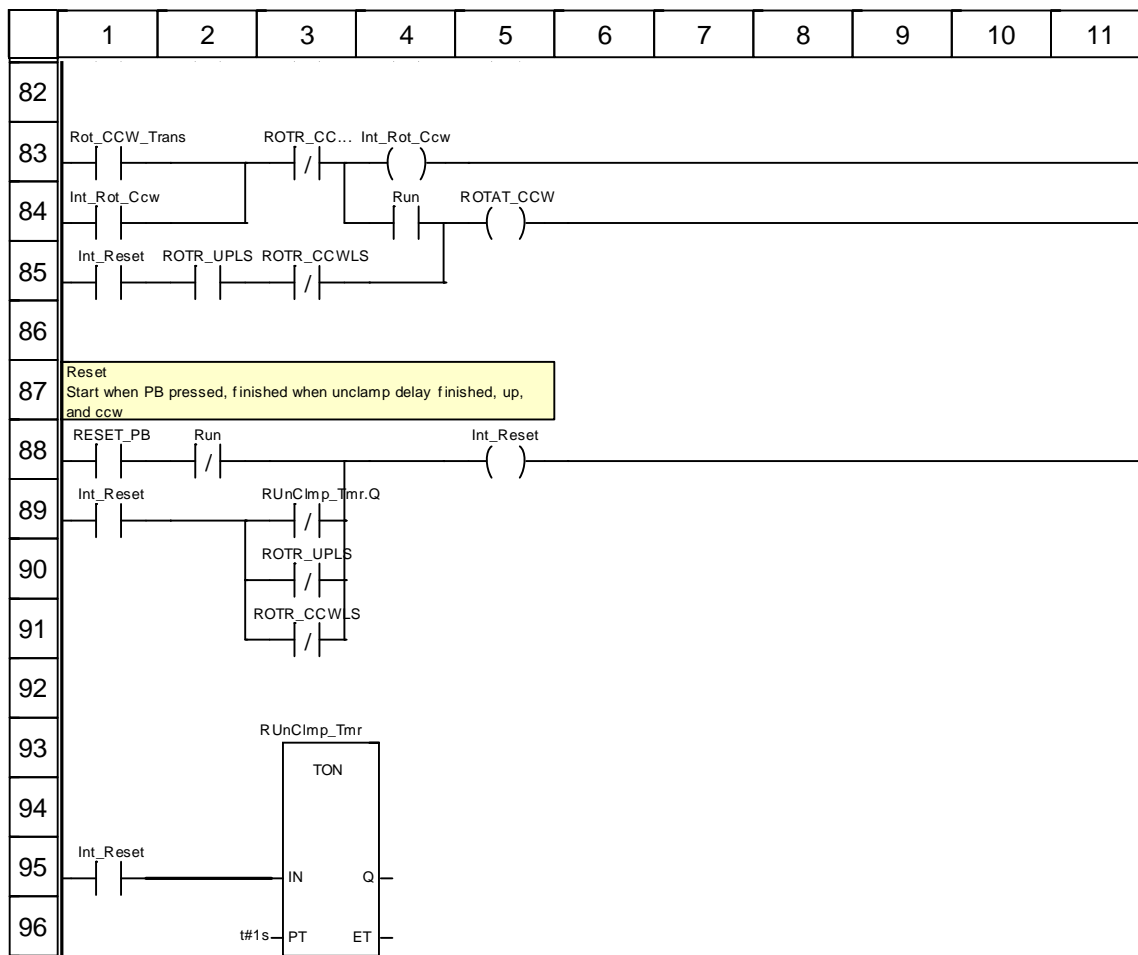
Configuration	Cyclic
Task period configuration	0
Watchdog time configuration	250

Main : [MAST]





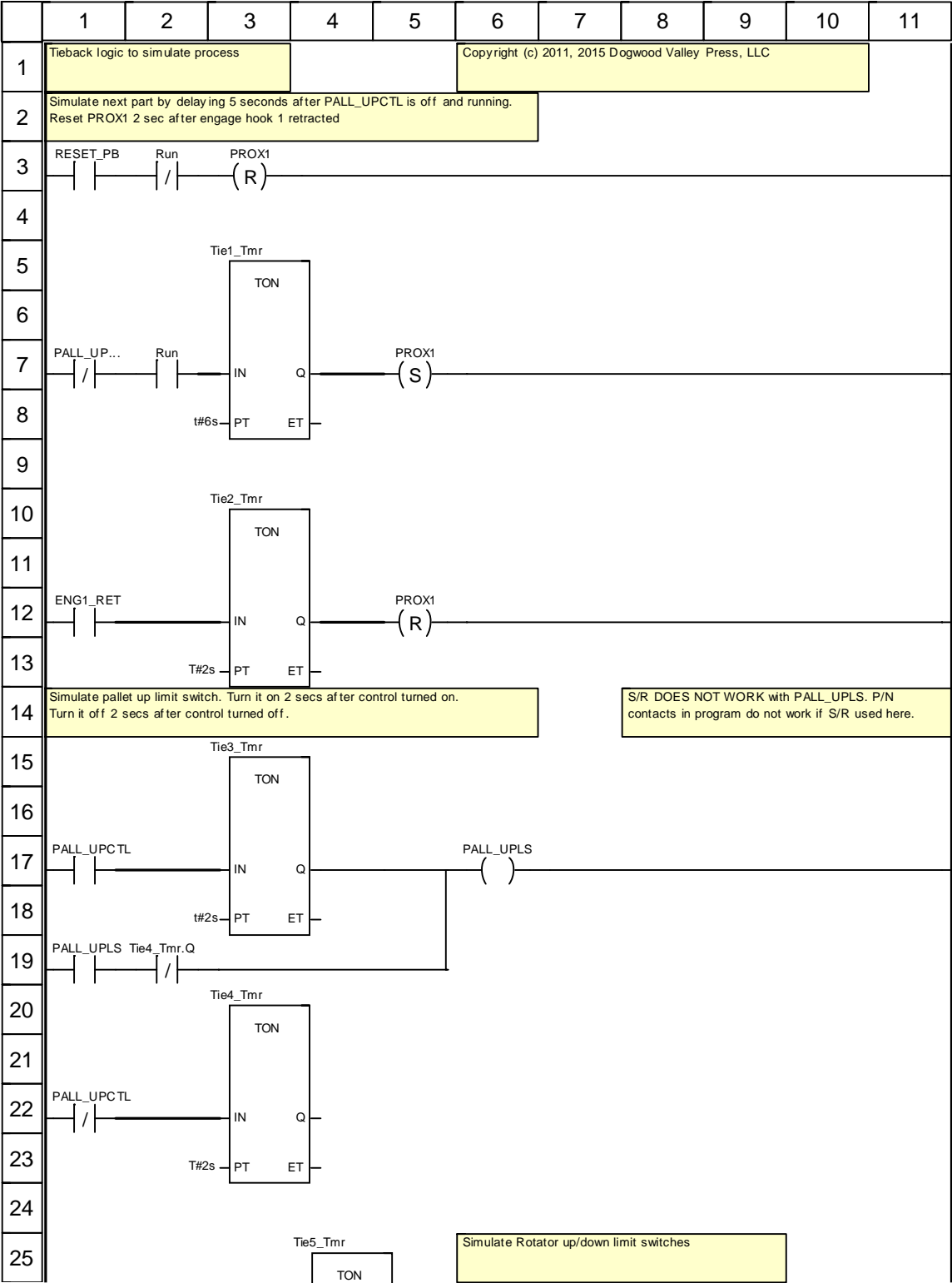


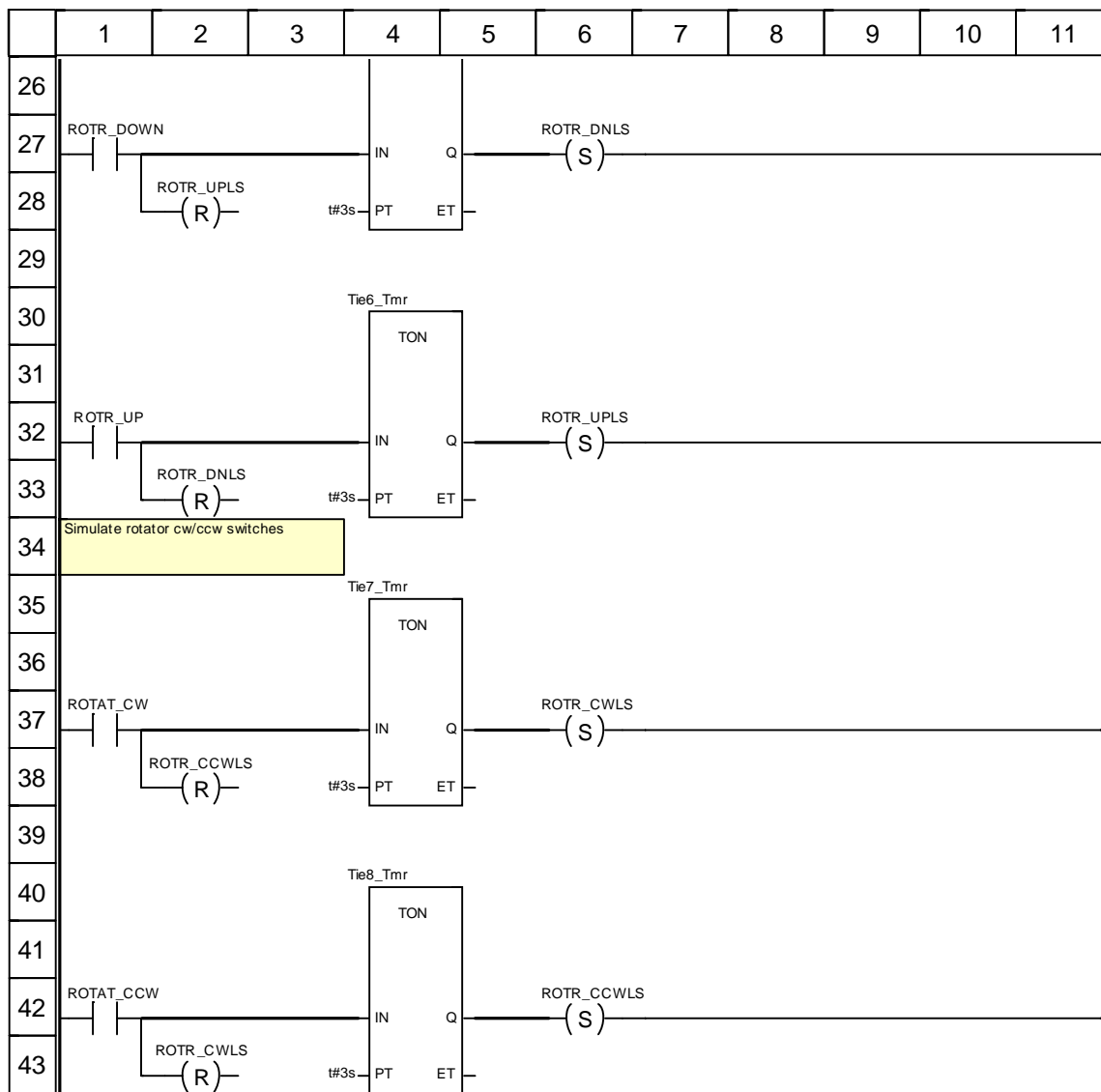


Truncated labels:

Label	Position(s)
Eng1_Tmr_En	(1, 14)
Eng2_Tmr_En	(1, 21)
ROTR_CCWLS	(1, 31) (3, 37) (3, 53) (3, 74) (3, 83)
ROTR_CWLS	(1, 38) (3, 57) (3, 76) (3, 81)
ROTR_DNLS	(1, 53) (1, 57)
ROTR_UPLS	(1, 74) (1, 81)
RUnClmp_Tmr.Q	(2, 50)
UnClmp_Tmr.Q	(1, 46)

Simulation : [MAST]





Truncated labels:

Label	Position(s)
PALL_UPCTL	(1, 7)

FAST

Specific properties

Configuration	Periodic
Task period configuration	5
Watchdog time configuration	100

Cross References

Application:

Variables or FB instances

Object	Referred into	Location	Usage
Clmp_Tmr	Main : [MAST]	(l 45, c: 1)	R
		(l 63, c: 3)	FC
Close_Grip_Trans	Main : [MAST]	(l 53, c: 4)	W
		(l 55, c: 1)	R
Drop_Engine_Trans	Main : [MAST]	(l 31, c: 3)	W
		(l 33, c: 1)	R
ENG1_RET	Simulation : [MAST]	(l 12, c: 1)	R
	Main : [MAST]	(l 14, c: 3)	W
Eng1_Tmr	Main : [MAST]	(l 14, c: 2)	R
		(l 29, c: 1)	R
		(l 9, c: 6)	FC
Eng1_Tmr_En	Main : [MAST]	(l 8, c: 6)	W
		(l 14, c: 1)	R
ENG2_RET	Main : [MAST]	(l 23, c: 6)	W
		(l 25, c: 1)	R
Eng2_Tmr	Main : [MAST]	(l 11, c: 4)	R
		(l 25, c: 2)	R
		(l 18, c: 6)	FC
Eng2_Tmr_En	Main : [MAST]	(l 17, c: 6)	W
		(l 21, c: 1)	R
GRIP_CLOS	Main : [MAST]	(l 55, c: 4)	W
		(l 59, c: 4)	W
		(l 65, c: 1)	R
		(l 70, c: 1)	R
Int_Reset	Main : [MAST]	(l 2, c: 2)	R
		(l 21, c: 2)	R
		(l 25, c: 3)	R
		(l 34, c: 1)	R
		(l 50, c: 1)	R
		(l 60, c: 1)	R
		(l 85, c: 1)	R
		(l 88, c: 5)	W
		(l 89, c: 1)	R
		(l 95, c: 1)	R
Int_Rot_Ccw	Main : [MAST]	(l 83, c: 4)	W
		(l 84, c: 1)	R
Int_Rot_Cw	Main : [MAST]	(l 76, c: 4)	W
		(l 77, c: 1)	R
Int_Rotr_Down	Main : [MAST]	(l 40, c: 4)	W
		(l 41, c: 1)	R
Int_Rotr_Up	Main : [MAST]	(l 48, c: 4)	W
		(l 49, c: 1)	R
Move_Dn_Trans	Main : [MAST]	(l 37, c: 4)	W
		(l 40, c: 1)	R
Move_Up_Trans	Main : [MAST]	(l 45, c: 3)	W
		(l 48, c: 1)	R
Open_Grip_Trans	Main : [MAST]	(l 57, c: 4)	W
		(l 59, c: 1)	R
PALL_UPCTL	Simulation : [MAST]	(l 7, c: 1)	R

Cross References

Object	Referred into	Location	Usage
		(l 17, c: 1)	R
		(l 22, c: 1)	R
	Main : [MAST]	(l 29, c: 3)	W
		(l 33, c: 3)	W
PALL_UPLS	Simulation : [MAST]	(l 17, c: 6)	W
		(l 19, c: 1)	R
	Main : [MAST]	(l 20, c: 1)	R
		(l 23, c: 1)	R
		(l 37, c: 1)	R
PROX1	Simulation : [MAST]	(l 3, c: 3)	W
		(l 7, c: 5)	W
		(l 12, c: 5)	W
	Main : [MAST]	(l 11, c: 1)	R
RESET_PB	Simulation : [MAST]	(l 3, c: 1)	R
	Main : [MAST]	(l 88, c: 1)	R
Rot_CCW_Trans	Main : [MAST]	(l 81, c: 5)	W
		(l 83, c: 1)	R
Rot_Cw_Trans	Main : [MAST]	(l 74, c: 5)	W
		(l 76, c: 1)	R
ROTAT_CCW	Simulation : [MAST]	(l 42, c: 1)	R
	Main : [MAST]	(l 74, c: 4)	R
		(l 84, c: 5)	W
ROTAT_CW	Simulation : [MAST]	(l 37, c: 1)	R
	Main : [MAST]	(l 77, c: 5)	W
		(l 81, c: 4)	R
ROTR_CCWLS	Simulation : [MAST]	(l 38, c: 2)	W
		(l 42, c: 6)	W
	Main : [MAST]	(l 20, c: 4)	R
		(l 23, c: 3)	R
		(l 31, c: 1)	R
		(l 37, c: 3)	R
		(l 53, c: 3)	R
		(l 74, c: 3)	R
		(l 83, c: 3)	R
		(l 85, c: 3)	R
		(l 91, c: 3)	R
ROTR_CWLS	Simulation : [MAST]	(l 37, c: 6)	W
		(l 43, c: 2)	W
	Main : [MAST]	(l 38, c: 1)	R
		(l 57, c: 3)	R
		(l 76, c: 3)	R
		(l 81, c: 3)	R
ROTR_DNLS	Simulation : [MAST]	(l 27, c: 6)	W
		(l 33, c: 2)	W
	Main : [MAST]	(l 40, c: 3)	R
		(l 53, c: 1)	R
		(l 57, c: 1)	R
ROTR_DOWN	Simulation : [MAST]	(l 27, c: 1)	R
	Main : [MAST]	(l 41, c: 5)	W
ROTR_UP	Simulation : [MAST]	(l 32, c: 1)	R
	Main : [MAST]	(l 49, c: 5)	W
ROTR_UPLS	Simulation : [MAST]	(l 28, c: 2)	W
		(l 32, c: 6)	W
	Main : [MAST]	(l 48, c: 3)	R
		(l 50, c: 3)	R

Cross References

Object	Referred into	Location	Usage
		(l 74, c: 1)	R
		(l 81, c: 1)	R
		(l 85, c: 2)	R
		(l 90, c: 3)	R
Run	Simulation : [MAST]	(l 3, c: 2)	R
		(l 7, c: 2)	R
	Main : [MAST]	(l 2, c: 5)	W
		(l 3, c: 1)	R
		(l 11, c: 2)	R
		(l 20, c: 2)	R
		(l 23, c: 2)	R
		(l 31, c: 2)	R
		(l 37, c: 2)	R
		(l 38, c: 2)	R
		(l 41, c: 4)	R
		(l 45, c: 2)	R
		(l 46, c: 2)	R
		(l 49, c: 4)	R
		(l 53, c: 2)	R
		(l 57, c: 2)	R
		(l 74, c: 2)	R
		(l 77, c: 4)	R
		(l 81, c: 2)	R
		(l 84, c: 4)	R
		(l 88, c: 2)	R
RUnClmp_Tmr	Main : [MAST]	(l 50, c: 2)	R
		(l 89, c: 3)	R
		(l 93, c: 3)	FC
START_PB	Main : [MAST]	(l 2, c: 1)	R
STOP_PB	Main : [MAST]	(l 2, c: 4)	R
Tie1_Tmr	Simulation : [MAST]	(l 5, c: 3)	FC
Tie2_Tmr	Simulation : [MAST]	(l 10, c: 3)	FC
Tie3_Tmr	Simulation : [MAST]	(l 15, c: 3)	FC
Tie4_Tmr	Simulation : [MAST]	(l 19, c: 2)	R
		(l 20, c: 3)	FC
Tie5_Tmr	Simulation : [MAST]	(l 25, c: 4)	FC
Tie6_Tmr	Simulation : [MAST]	(l 30, c: 4)	FC
Tie7_Tmr	Simulation : [MAST]	(l 35, c: 4)	FC
Tie8_Tmr	Simulation : [MAST]	(l 40, c: 4)	FC
Unclmp_Tmr	Main : [MAST]	(l 46, c: 1)	R
		(l 68, c: 3)	FC

Cross References

New_DFB:

Variables or FB instances

Object	Referred into	Location	Usage
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