

TECHNICAL DOCUMENTATION

Example 6.4

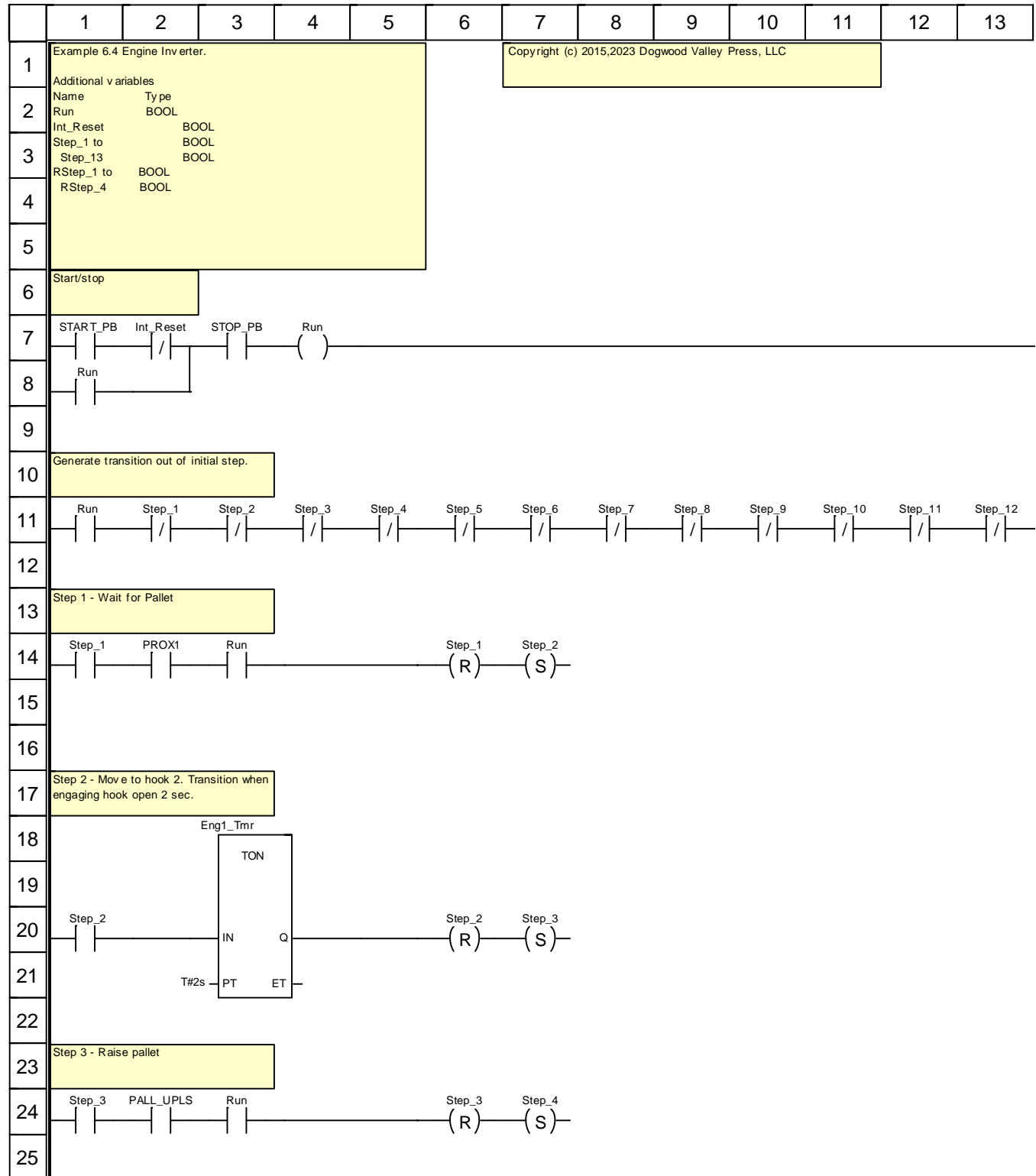
Project	Example 6.4
Designer	
Application	example_6_4.stu
Software Version	ControlExpert V15.0-SP1
Creation Date	6/15/2023 6:30:40 PM
Last Modification Date	6/15/2023 6:35:12 PM
Target PLC	BMX P34 1000 02.00CPU 340-10 Modbus

MAST

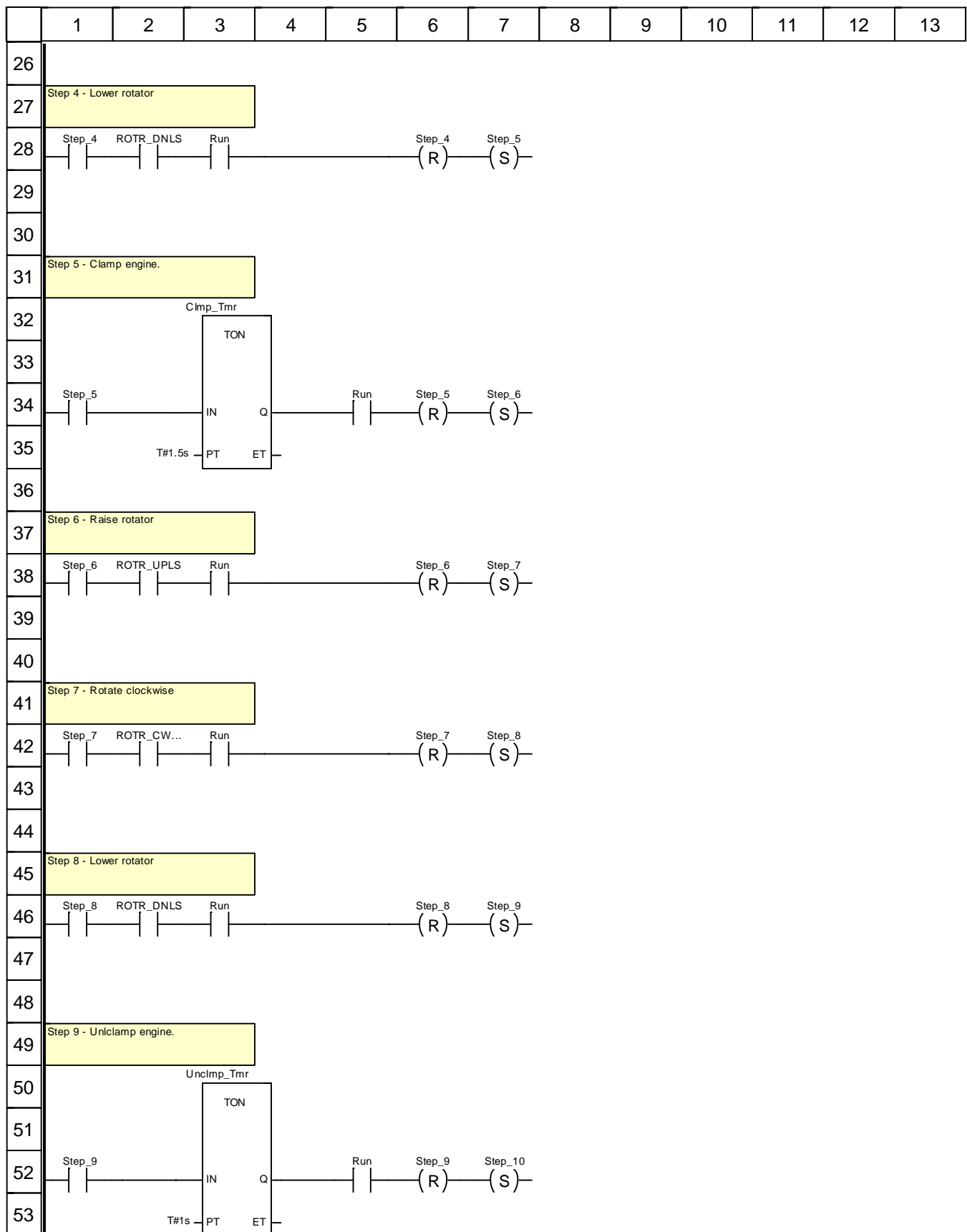
Specific properties

Configuration	Cyclic
Task period configuration	0
Watchdog time configuration	250

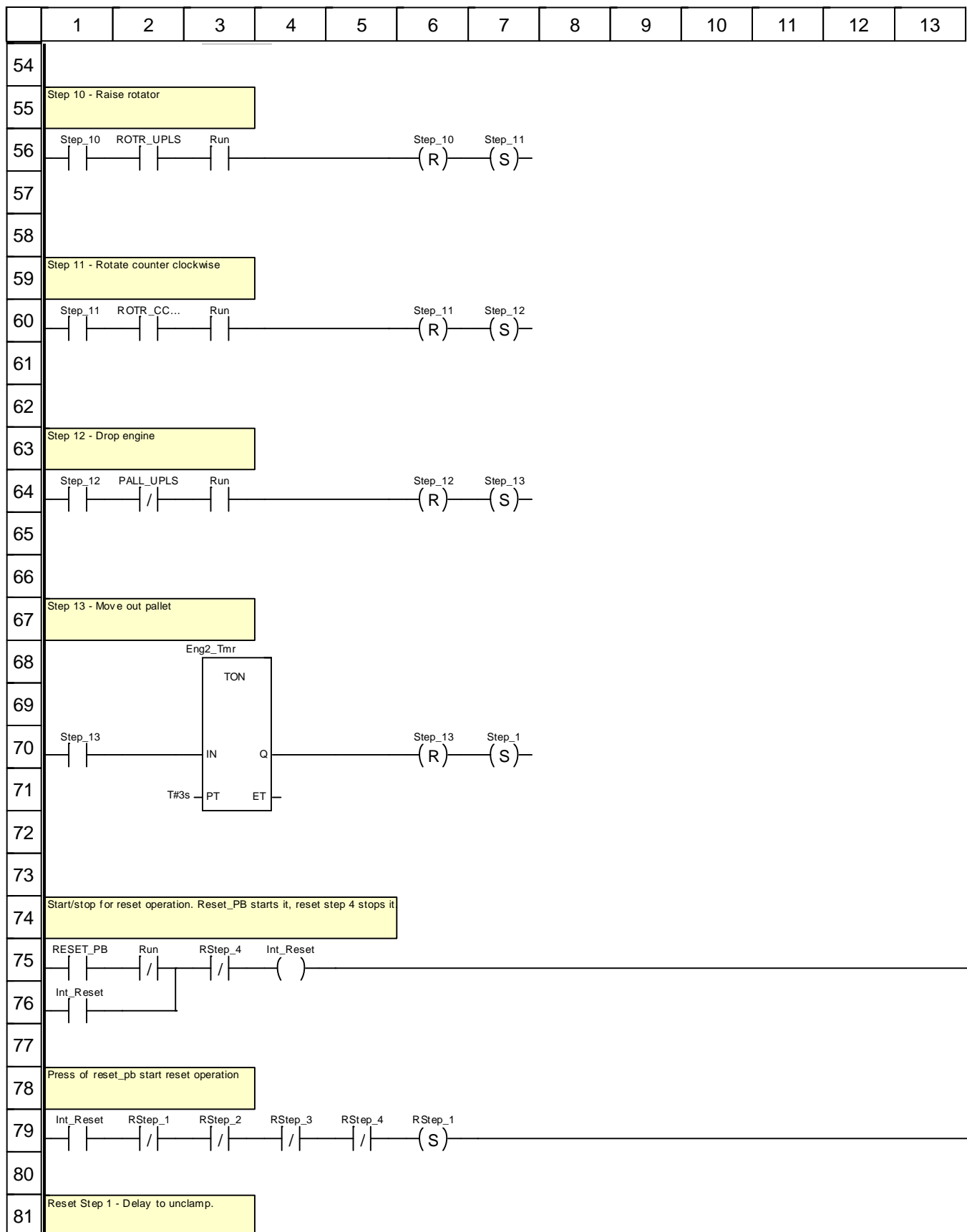
Main : [MAST]



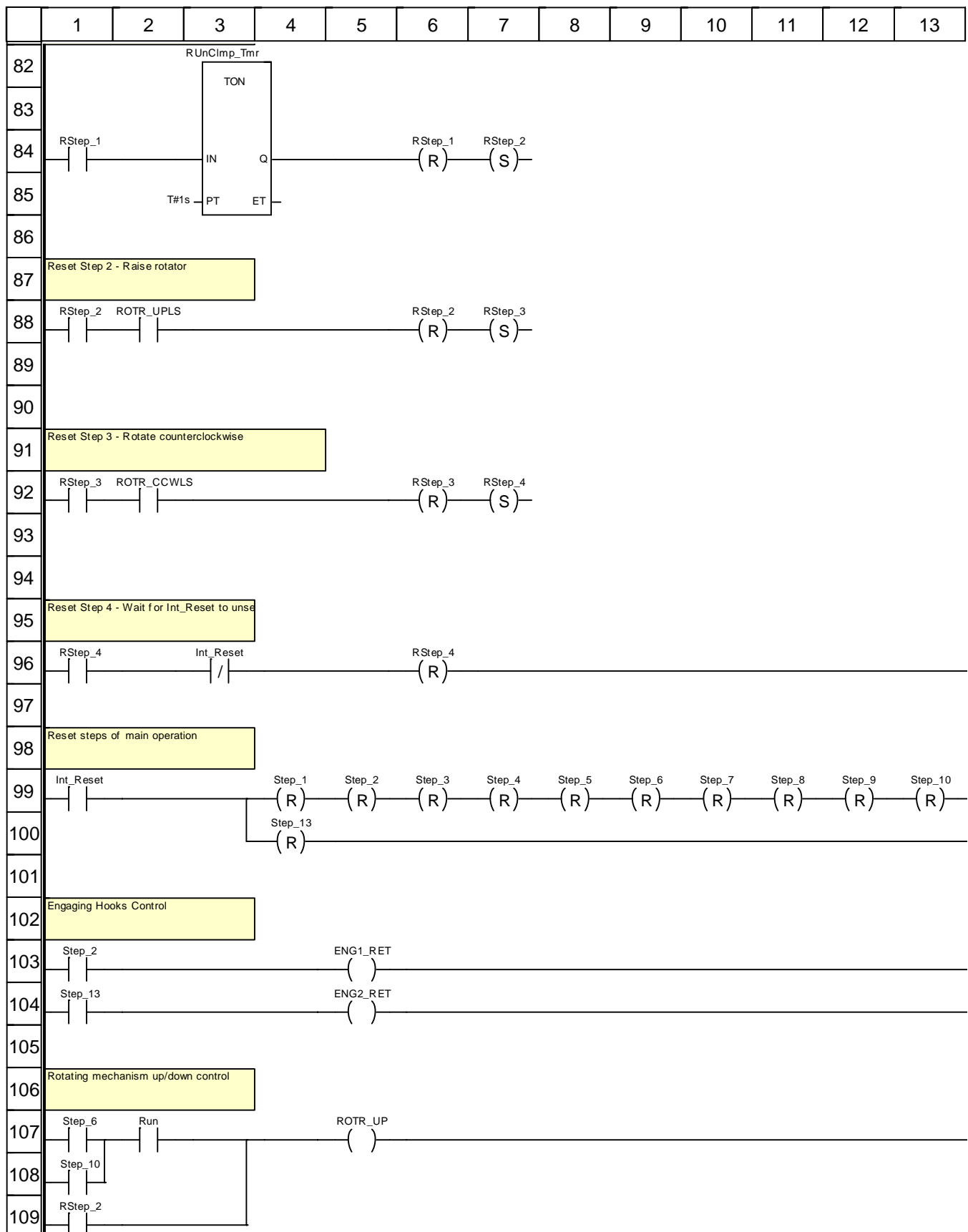
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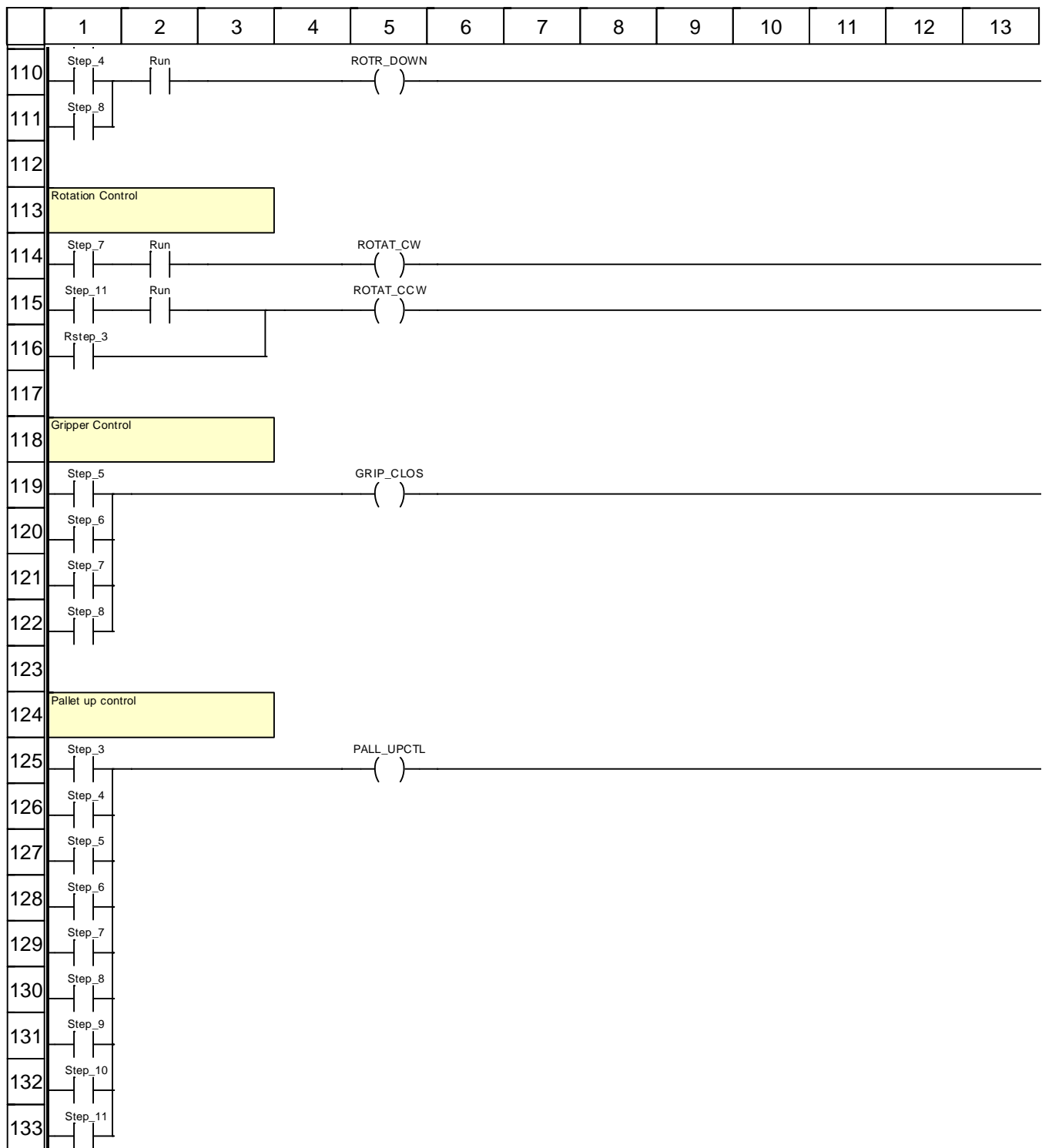
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Truncated labels:

Label	Position(s)
ROTR_CCWLS	(2, 60)
ROTR_CWLS	(2, 42)

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	Dept:		
	Project: Example 6.4		Page: 12/18

FAST

Specific properties

Configuration	Periodic
Task period configuration	5
Watchdog time configuration	100

Cross References

Application:

Addresses

Object	Referred into	Location	Usage
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Variables or FB instances

Object	Referred into	Location	Usage
Clmp_Tmr	Main : [MAST]	(l: 32, c: 3)	FC
ENG1_RET	Main : [MAST]	(l: 103, c: 5)	W
	<Screen>Screen		R (x1)
Eng1_Tmr	Main : [MAST]	(l: 18, c: 3)	FC
ENG2_RET	Main : [MAST]	(l: 104, c: 5)	W
	<Screen>Screen		R (x1)
Eng2_Tmr	Main : [MAST]	(l: 68, c: 3)	FC
GRIP_CLOS	Main : [MAST]	(l: 119, c: 5)	W
	<Screen>Screen		R (x1)
Int_Reset	Main : [MAST]	(l: 7, c: 2)	R
		(l: 75, c: 4)	W
		(l: 76, c: 1)	R
		(l: 79, c: 1)	R
		(l: 96, c: 3)	R
		(l: 99, c: 1)	R
PALL_UPCTL	Main : [MAST]	(l: 125, c: 5)	W
	<Screen>Screen		R (x1)
PALL_UPLS	Main : [MAST]	(l: 24, c: 2)	R
		(l: 64, c: 2)	R
	<Screen>Screen		R (x1)
PROX1	Main : [MAST]	(l: 14, c: 2)	R
	<Screen>Screen		R (x1)
RESET_PB	Main : [MAST]	(l: 75, c: 1)	R
ROTAT_CCW	Main : [MAST]	(l: 115, c: 5)	W
	<Screen>Screen		R (x1)
ROTAT_CW	Main : [MAST]	(l: 114, c: 5)	W
	<Screen>Screen		R (x1)
ROTR_CCWLS	Main : [MAST]	(l: 60, c: 2)	R
		(l: 92, c: 2)	R
	<Screen>Screen		R (x1)
ROTR_CWLS	Main : [MAST]	(l: 42, c: 2)	R
	<Screen>Screen		R (x1)
ROTR_DNLS	Main : [MAST]	(l: 28, c: 2)	R
		(l: 46, c: 2)	R
	<Screen>Screen		R (x1)
ROTR_DOWN	Main : [MAST]	(l: 110, c: 5)	W
	<Screen>Screen		R (x1)
ROTR_UP	Main : [MAST]	(l: 107, c: 5)	W
	<Screen>Screen		R (x1)
ROTR_UPLS	Main : [MAST]	(l: 38, c: 2)	R
		(l: 56, c: 2)	R
		(l: 88, c: 2)	R
	<Screen>Screen		R (x1)
RStep_1	Main : [MAST]	(l: 79, c: 2)	R
		(l: 79, c: 6)	W

Cross References

Object	Referred into	Location	Usage
		(l 84, c: 1)	R
		(l 84, c: 6)	W
RStep_2	Main : [MAST]	(l 79, c: 3)	R
		(l 88, c: 1)	R
		(l 109, c: 1)	R
		(l 84, c: 7)	W
		(l 88, c: 6)	W
RStep_3	Main : [MAST]	(l 79, c: 4)	R
		(l 92, c: 1)	R
		(l 116, c: 1)	R
		(l 88, c: 7)	W
		(l 92, c: 6)	W
RStep_4	Main : [MAST]	(l 75, c: 3)	R
		(l 79, c: 5)	R
		(l 96, c: 1)	R
		(l 96, c: 6)	W
		(l 92, c: 7)	W
Run	Main : [MAST]	(l 7, c: 4)	W
		(l 8, c: 1)	R
		(l 11, c: 1)	R
		(l 14, c: 3)	R
		(l 24, c: 3)	R
		(l 28, c: 3)	R
		(l 38, c: 3)	R
		(l 42, c: 3)	R
		(l 46, c: 3)	R
		(l 56, c: 3)	R
		(l 60, c: 3)	R
		(l 64, c: 3)	R
		(l 75, c: 2)	R
		(l 107, c: 2)	R
		(l 110, c: 2)	R
		(l 114, c: 2)	R
		(l 115, c: 2)	R
		(l 34, c: 5)	R
		(l 52, c: 5)	R
	<Screen>Screen		R (x1)
RUnClmp_Tmr	Main : [MAST]	(l 82, c: 3)	FC
START_PB	Main : [MAST]	(l 7, c: 1)	R
Step_1	Main : [MAST]	(l 11, c: 2)	R
		(l 11, c: 15)	W
		(l 14, c: 1)	R
		(l 14, c: 6)	W
		(l 70, c: 7)	W
		(l 99, c: 4)	W
Step_2	Main : [MAST]	(l 11, c: 3)	R
		(l 20, c: 1)	R
		(l 103, c: 1)	R
		(l 14, c: 7)	W
		(l 20, c: 6)	W
		(l 99, c: 5)	W
Step_3	Main : [MAST]	(l 11, c: 4)	R
		(l 24, c: 1)	R
		(l 125, c: 1)	R
		(l 20, c: 7)	W

Cross References

Object	Referred into	Location	Usage
		(f 24, c: 6)	W
		(f 99, c: 6)	W
Step_4	Main : [MAST]	(f 11, c: 5)	R
		(f 28, c: 1)	R
		(f 110, c: 1)	R
		(f 126, c: 1)	R
		(f 24, c: 7)	W
		(f 28, c: 6)	W
		(f 99, c: 7)	W
Step_5	Main : [MAST]	(f 11, c: 6)	R
		(f 34, c: 1)	R
		(f 119, c: 1)	R
		(f 127, c: 1)	R
		(f 28, c: 7)	W
		(f 34, c: 6)	W
		(f 99, c: 8)	W
Step_6	Main : [MAST]	(f 11, c: 7)	R
		(f 38, c: 1)	R
		(f 107, c: 1)	R
		(f 120, c: 1)	R
		(f 128, c: 1)	R
		(f 34, c: 7)	W
		(f 38, c: 6)	W
		(f 99, c: 9)	W
Step_7	Main : [MAST]	(f 11, c: 8)	R
		(f 42, c: 1)	R
		(f 114, c: 1)	R
		(f 121, c: 1)	R
		(f 129, c: 1)	R
		(f 38, c: 7)	W
		(f 42, c: 6)	W
		(f 99, c: 10)	W
Step_8	Main : [MAST]	(f 11, c: 9)	R
		(f 46, c: 1)	R
		(f 111, c: 1)	R
		(f 122, c: 1)	R
		(f 130, c: 1)	R
		(f 42, c: 7)	W
		(f 46, c: 6)	W
		(f 99, c: 11)	W
Step_9	Main : [MAST]	(f 11, c: 10)	R
		(f 52, c: 1)	R
		(f 131, c: 1)	R
		(f 46, c: 7)	W
		(f 52, c: 6)	W
		(f 99, c: 12)	W
Step_10	Main : [MAST]	(f 11, c: 11)	R
		(f 56, c: 1)	R
		(f 108, c: 1)	R
		(f 132, c: 1)	R
		(f 52, c: 7)	W
		(f 56, c: 6)	W
		(f 99, c: 13)	W
Step_11	Main : [MAST]	(f 11, c: 12)	R
		(f 60, c: 1)	R

Cross References

Object	Referred into	Location	Usage
		(l 115, c: 1)	R
		(l 133, c: 1)	R
		(l 56, c: 7)	W
		(l 60, c: 6)	W
		(l 99, c: 14)	W
Step_12	Main : [MAST]	(l 11, c: 13)	R
		(l 64, c: 1)	R
		(l 60, c: 7)	W
		(l 64, c: 6)	W
		(l 99, c: 15)	W
Step_13	Main : [MAST]	(l 11, c: 14)	R
		(l 70, c: 1)	R
		(l 104, c: 1)	R
		(l 64, c: 7)	W
		(l 70, c: 6)	W
		(l 100, c: 4)	W
STOP_PB	Main : [MAST]	(l 7, c: 3)	R
Unclmp_Tmr	Main : [MAST]	(l 50, c: 3)	FC

Cross References

New_DFB:

Variables or FB instances

Object	Referred into	Location	Usage
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