WIRING DIAGRAM

SYSTEM: MACH 120 LEFT

PROJECT

DRAFT DATE: 12-04-2018
FAT DATE:
REVISION DATE 1:
REVISION DATE 2:
REVISION DATE 3:
REVISION DATE 4:
REVISION DATE 5:

YEAR OF CONSTRUCTION 2018

COMMISSION OTNESTLETUL1

CODE N76

SYSTEM KINETIX 5700 ALLEN-BRADLEY
PLC COMPACT LOGIX + POINT I/O

MANUFACTURER:

CT PACK DIVISION

VIA ARGINE VOLANO, 355/d

Tel : +39 0532 879600

Telefax: +39 0532 866381

PHASES	3PH+PE
RATED VOLTAGE	480V/277V
FREQUENCY	60HZ
RATED CURRENT	67A
SHORT CIRCUIT AMPS	10KA
LARGEST MOTOR AMPS	4,75A

VOLTAGE POWER	480V/277V 3PH+PE
FREQUENCY	60 Hz
NOMINAL CURRENT	67 A Max
AUXILARIES	24 V DC
Controls	24 V DC
INSTALLED POWER	45 KW

USE COPPER CONDUCTOR ONLY 75°C

CABLE COLOURS:	
POWER :	L1-L2-L3: black Earth: yellow/green
AUXILARIES (120V AC) :	WHITE red
AUXILARIES (24V DC) :	"Positive +; blue" negative-: white/blue
EXTERNAL VOLTAGE:	ORANGE

CABLE COLOURS:

POWER : 1-2-3: black, Ground: yellow/green

AUXILARIES (120V AC) : WHITE, red

AUXILARIES (220V AC) : BLACK

POWER:
MINIMUM SECTION
AWG14

AUXILARIES (24V DC) : "Positive +; blue" negative-: white/blue

CONTROL:
MINIMUM SECTION
AWG18
(LOWER ONLY FOR PLC)

EXTERNAL VOLTAGE: ORANGE

WEIDMULLER SPRING TERMINALS: PLUGGABLE TERMINAL BLOCKS INSIDE CABINET FOR BOXES ON THE MACHINE

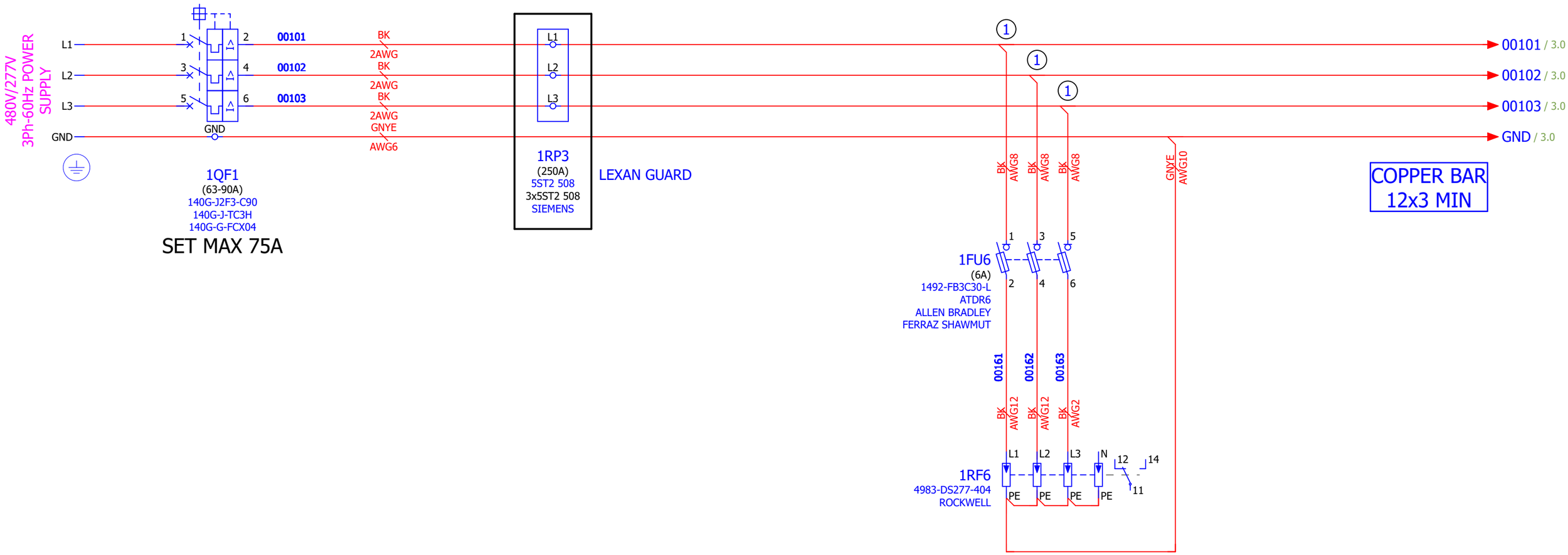
N.B.: MARK THE COMPONENTS EITHER ON COMPONENT AND MOUNTING PLATE

MARKING ON-BOARD
MACHINE WIRING
WITH BLACK
ON WHITE BACKGROUND LABELS

PIPES COLOR	
COMPONENT	***COLOR***
Compressed air pipes	yellow
Air discharge pipes	Black
Filtered Air	Transparent - NOT USED
Compressed gas (e.g. nitrogen)	Not Used
Water	Green - NOT USED
Vacuum	Blue

ANSI Symbol	ANSI Code	IEC 617 Symbo	IEC Code	Description
	CON		KM	Contactor contact open
	CON		KM	Contactor contact closed
	CR		KA	Relay contact open
	CR		KA	Relay contact closed
	TR		KT	Timed contact, N.O. – on delay (TDE)
	TR		KT	Timed contact, N.C. – on delay (TDE)
	TR		KT	Timed contact, N.C.– off delay (TDD)
	TR		KT	Timed contact, N.O. – off delay (TDD)
	SS		SA	Selector switch
	PB		SB	Pushbutton N.O.
	PB		SB	Pushbutton N.C.
	PB		SB	Pushbutton mushroom head
	FL		SL	Liquid level switch
	FLS		SF	Flow switch
	PS		SP	Pressure switch
	TS		ST	Temperature switch
	LS		SQ	Limit switch
	PRS		SQ	Proximity switch
	LT		HL	Indicating light
	PL		XS	Plug and socket
	CR		KA	Control relay coil
	CON		KM	Contactor coil
	M		KM	Motor starter coil
	TR		KA	Timer coil
	SOL		YV	Solenoid coil
	CTR		EC	Electromechanical counter
	CB		QF	Circuit breaker
	T1		X1 XT	Terminals (reference) Fused terminals (reference)
	FU		FU	Fuse, protective

			Data	23/10/2018	OTNESTLETUL1	WIRING DIAGRAM SPECIFICATIONS	0.a
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 1
0			Origine				Foglio 80



POWER = 220Vac 480Vac - 45Kw - 67A	
220Vac - 480Vac	L1 = BK L2 = BK L3 = BK PE = GNYE
120Vac	0V = WH 120V = RD
24Vdc	L+ = BU L- = BU/WH
HANDSHAKING SIGNALS	FROM OTHER CABINETS = YELLOW FOR OTHER CABINETS = YELLOW

USE COPPER CONDUCTOR ONLY 75°C

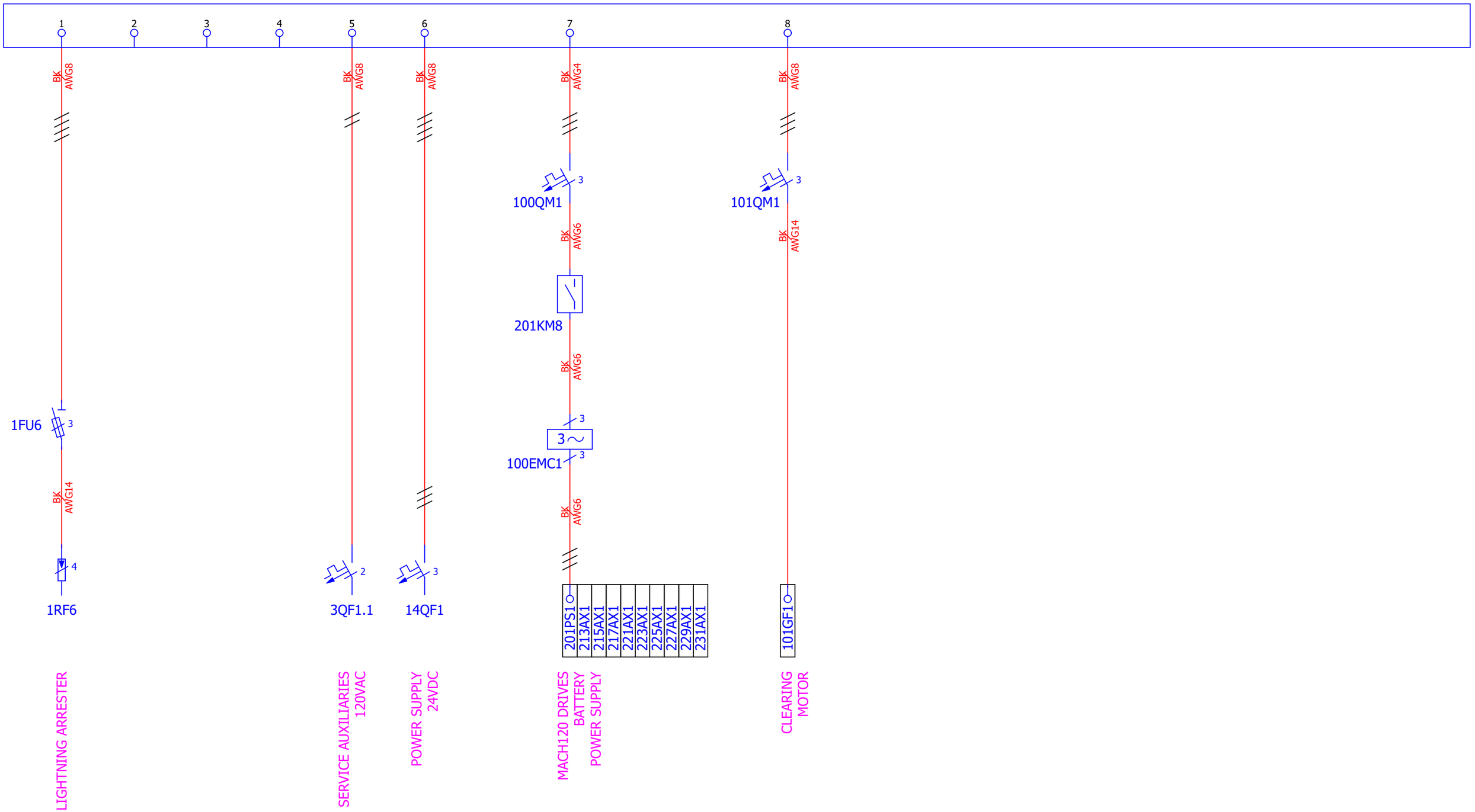
TIGHTENNING TORQUE FOR SCREW

DISCONNECT SWITCH	8 Nm
POWER DISTRIBUTION TERMINAL BLOCK	6 Nm
BCP/FUSE HOLDER	1,7 Nm
TERMINAL BLOCK	0,4:2,5 Nm

NUMBERING
WIRES:"page/progressive number" "001 / 00"
COMPONENTS:"page/name/prog.num." "3 / KM / 6"
I/O:"page/name/column" "500 / SQ / 1"

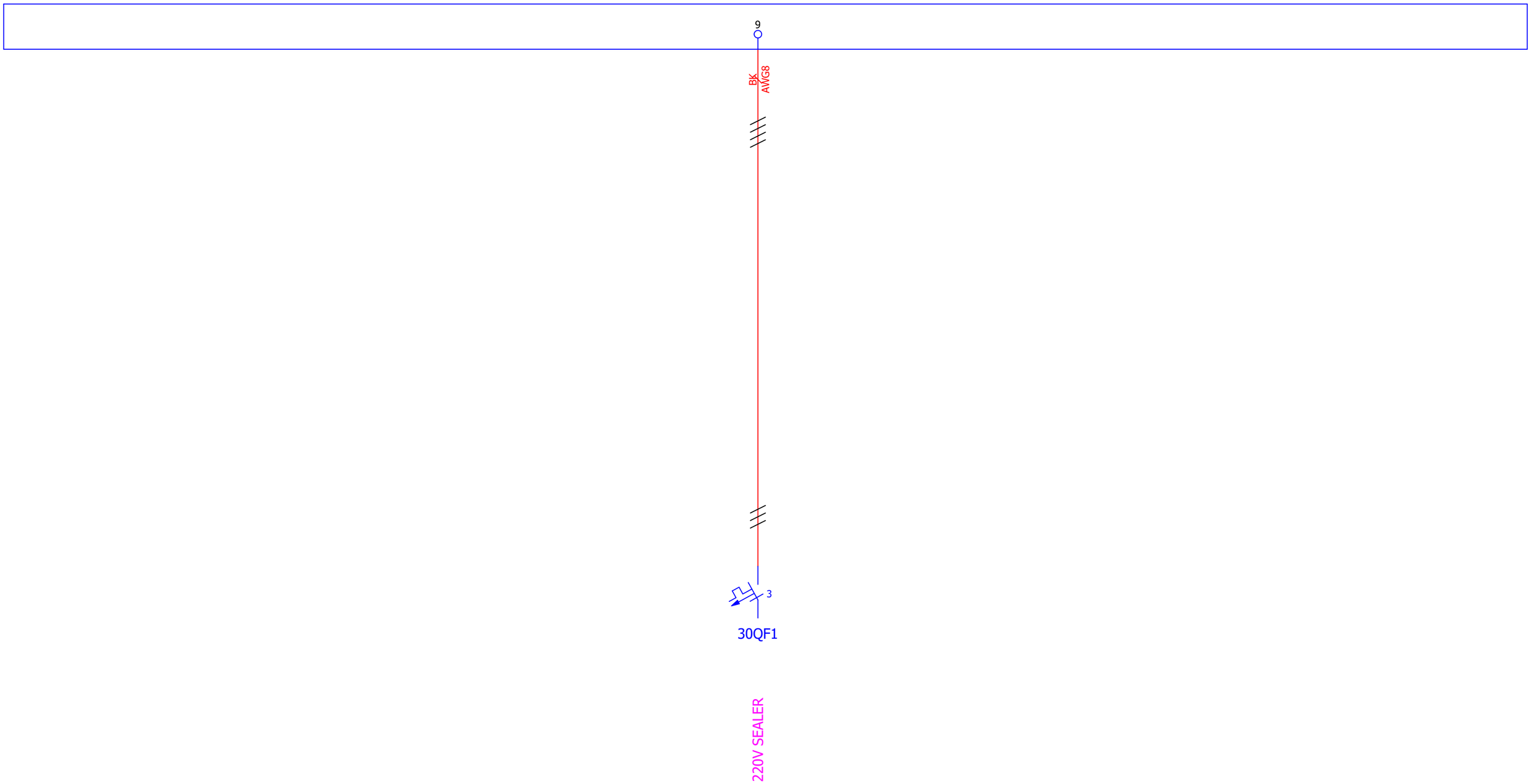
			Data	23/10/2018	OTNESTLETUL1		1
			Elab.	Lorenzo		MAIN DISCONNECTOR	
Modifica	Data	Nome	Verificato				Foglio 1A
0.a			Origine				Foglio 80

1RP3



			Data	12/10/2018	OTNESTLETUL1	SINGLE PHASE POWER DISTRIBUTION	1A
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 1B
1			Origine				Foglio 80

1RP3



			Data	11/07/2018	OTNESTLETUL1		SINGLE PHASE POWER DISTRIBUTION	1B
			Elab.	Lorenzo				
Modifica	Data	Nome	Verificato					Foglio 3
1A			Origine					Foglio 80

1.9 / 00101
1.9 / 00102
1.9 / 00103
1.9 / GND

00101 / 4.0
00102 / 4.0
00103 / 4.0
GND / 4.0

5
5

BK AWG8
BK AWG8
GNYE AWG10

3QF1.1
(8A) "D"
1489-M2D080
1489-AMRA3

1 3 12 14 11
2 4 11 14

502.2

00301
00302

BK AWG12
BK AWG12

480 480

3TM1
480V - 110V
(1600VA)
T15.1600-460

110V~ 0V~

00304
00303

RD AWG10
WH AWG10

1 12 14 11
2 11 14

3QF1.2
(16A) "D"
1489-M1D160
1489-AMRA3

502.2

00303
00306

WH AWG14
RD AWG14

00303 / 3.a.0
00306 / 3.a.0

X37 00306 X37 00303

3EN1 F02 Elfin
3EN2 F02 Elfin
3EN3 F02 Elfin

1 2

00310 00320 00330

PE2 L N

3EL1 8W 050PE86C 050PE8
3EL2 8W 050PE86C 050PE8
3EL3 8W 050PE86C 050PE8

PANEL LIGHTING
PANEL LIGHTING
PANEL LIGHTING

1492-REC15G

X37 00306 00303

GNYE AWG14

L N PE

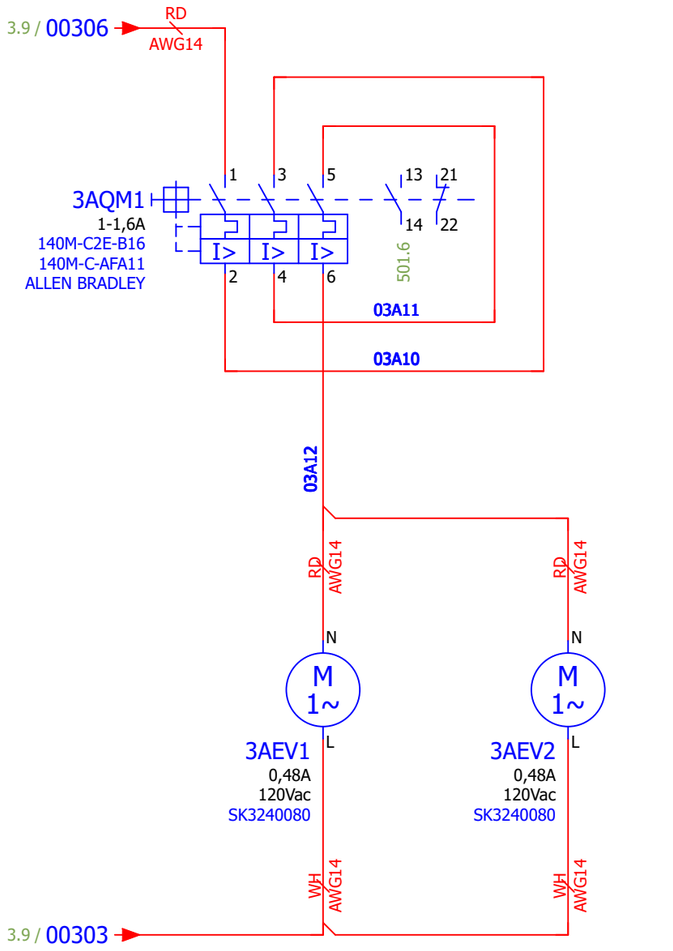
3XS6
16A

PLUG WITH
DIFFERENTIAL
INSIDE CABINET

FOR PC USE ONLY
5A

			Data	12/10/2018	OTNESTLETUL1	SERVICE AUXILIARIES 120VAC POWER SUPPLY	3
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 3.a
1B			Origine				Foglio 80

120Vac



ABOVE:
FLOW
TOWARDS
OUTSIDE

DOOR 1

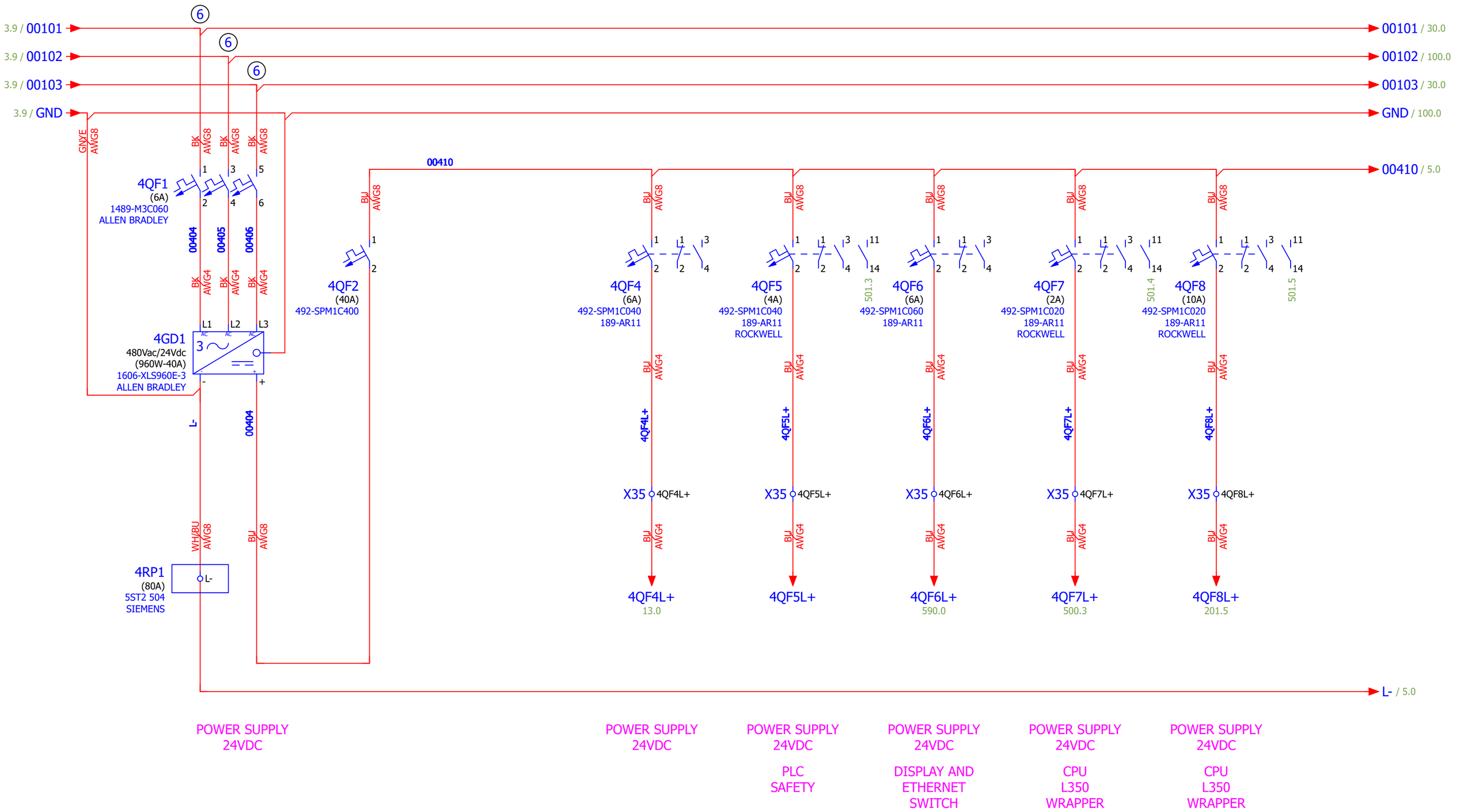
CABINET FAN

ABOVE:
FLOW
TOWARDS
OUTSIDE

DOOR 2

CABINET FAN

			Data	11/07/2018	OTNESTLETUL1	FAN CONNECTION	3.a
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 4
3			Origine				Foglio 80



			Data	16/10/2018	OTNESTLETUL1	CONTROL PANEL 24VDC POWER SUPPLY	4
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 5
3.a			Origine				Foglio 80

4.9 / 00410 → 00410 /

00410

BU AWG8

1 1 3
2 2 4

5QF1
(20A)
1492-SPM1C200
189-AR11
ROCKWELL

BU AWG14

5QF1L+

X35 5QF1L+

BU AWG14

5QF1L+
201.2

L- / 664.8

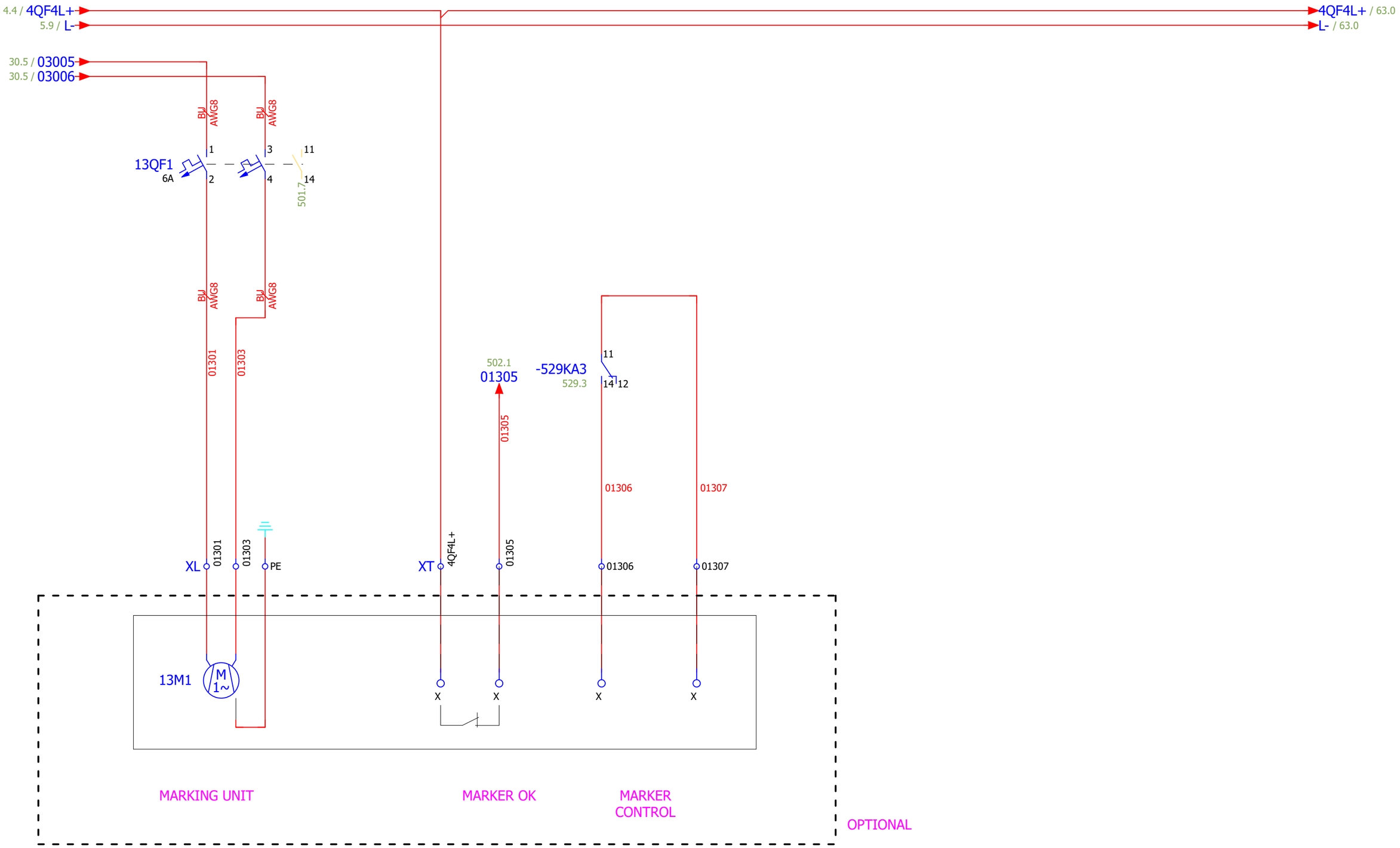
X35 L-

4.9 / L- → L- / 13.0

POWER SUPPLY
24VDC

RACK
KINETIX
MACH120

			Data	23/10/2018	OTNESTLETUL1	CT PACK	24Vdc KINETIX POWER SUPPLY	5
			Elab.	Lorenzo				
Modifica	Data	Nome	Verificato					Foglio 13
4			Origine					Foglio 80



			Data	24/09/2018	OTNESTLETUL1		MARKING UNIT	13
			Elab.	Lorenzo				
Modifica	Data	Nome	Verificato					Foglio 30
5			Origine					Foglio 80

4.9 / 00101
4.9 / 00103

-00101 / 100.0
-00103 / 100.0

Bk AWG8
Bk AWG8

30QF1
2A, 230V DC
1
2
3
4

AWG10
AWG10
03001
03002

480
0
220

30TM1
5000VA
TRAFO 480/220

Bk AWG8
Bk AWG8
03003
03004

30QF11
2A, 230V DC
1
2

Bk AWG8
Bk AWG8
03005
03006

13.0 / 03005
13.0 / 03006

544KM5
1
2
3
4
5
6

03051
03050

-03051 / 63.0
-03050 / 63.0

A1 A2 544.5
3 4 30.7
5 6 30.7
13 14 543.2

0-220V
THERMOREGULATION
POWER SUPPLY

			Data	15/10/2018	OTNESTLETUL1	THERMOREGULATION POWER ON	30
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 63
13			Origine				Foglio 80

30.8 / 03050
30.8 / 03051
13.8 / 4QF4L+
13.8 / L-

03050 / 64.0
03051 / 64.0
4QF4L+ / 64.0
L- / 64.0

BK AWG8
BK AWG8

63QF3
6A
1492-SPM1C060
SWITCH 2a HOT
ROLLERS PAIR
1
2
11
14
543.3
06311
06312

63QF31
25A
30mA
A9R61225
1
3
IΔ
IΔ

06301
06302

63KA1
A1+
A2-
RGC1A60D20KKE

63KA1
63.2
1 L1
2 T1

63KA3
A1
A2

06303

XS
06303
06302

54401
544.1

541.1 06371
541.2 06372
541.3 SH63

06371
06372

-X63
4 WAY MANIFOL
S R S R S R S R

X63.1
RINGS 4
MANIFOLD
S R S R S R S R

1 L1 — 2 T1 63.3

63R3
350W 110V
SPIRAL
RESISTANCE

11 — 14 543.1

63R4
350W 110V
SPIRAL
RESISTANCE

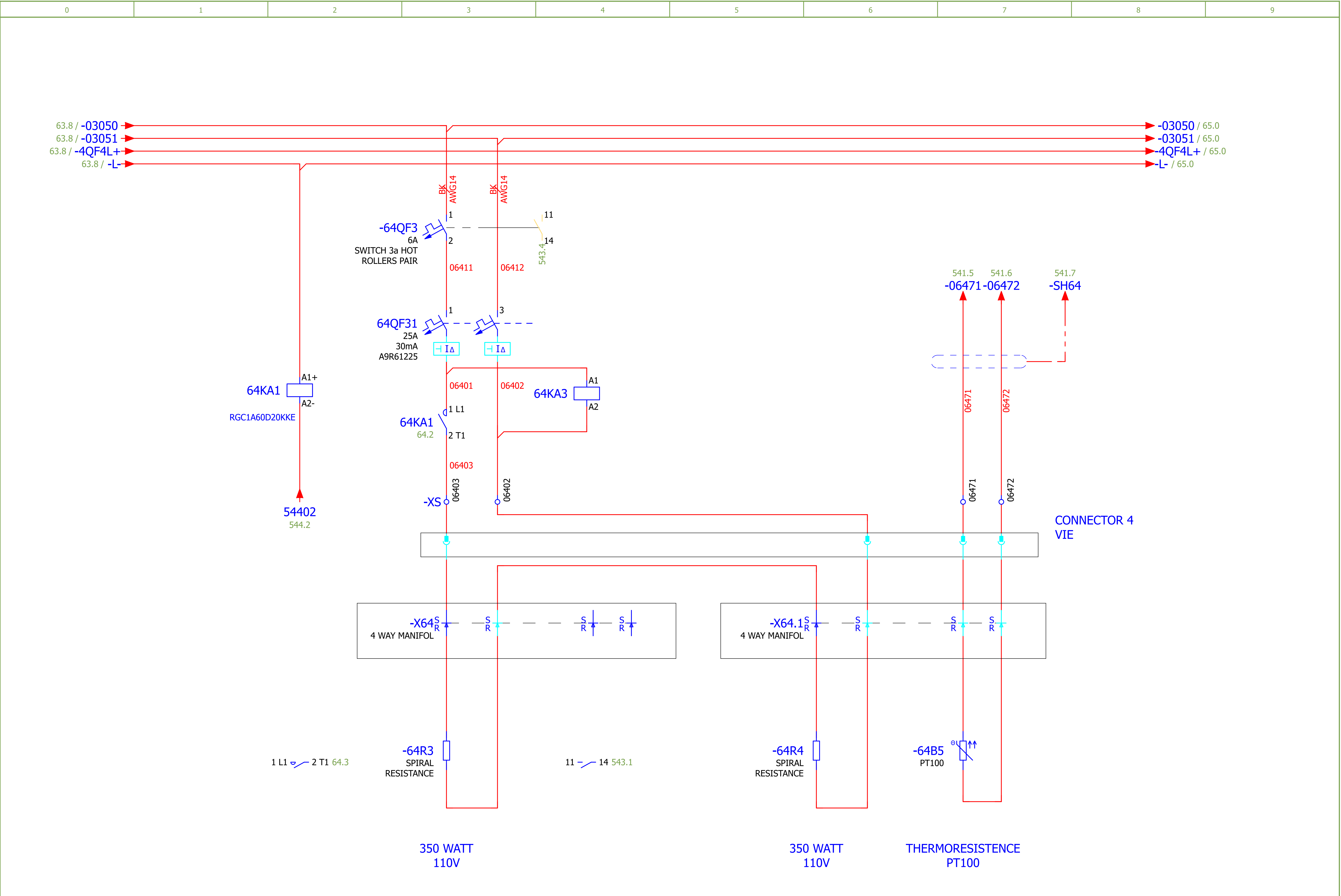
63B5
PT100
4x30

350 WATT
110V

350 WATT
110V

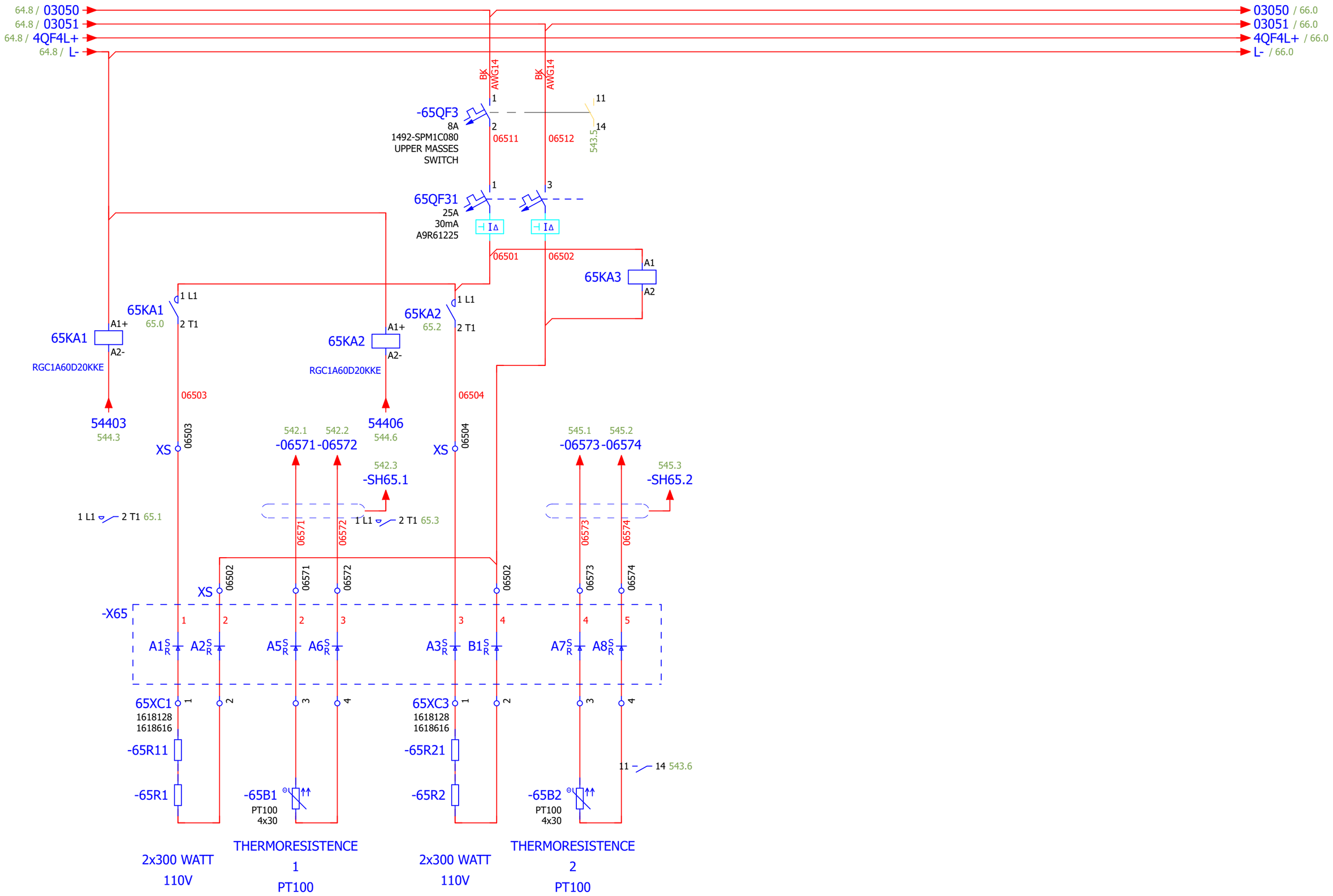
THERMORESISTENCE
PT100

			Data	12/07/2018	OTNESTLETUL1	THERMOREGULATION 2a HOT ROLLERS PAIR	63
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 64
30			Origine				Foglio 80

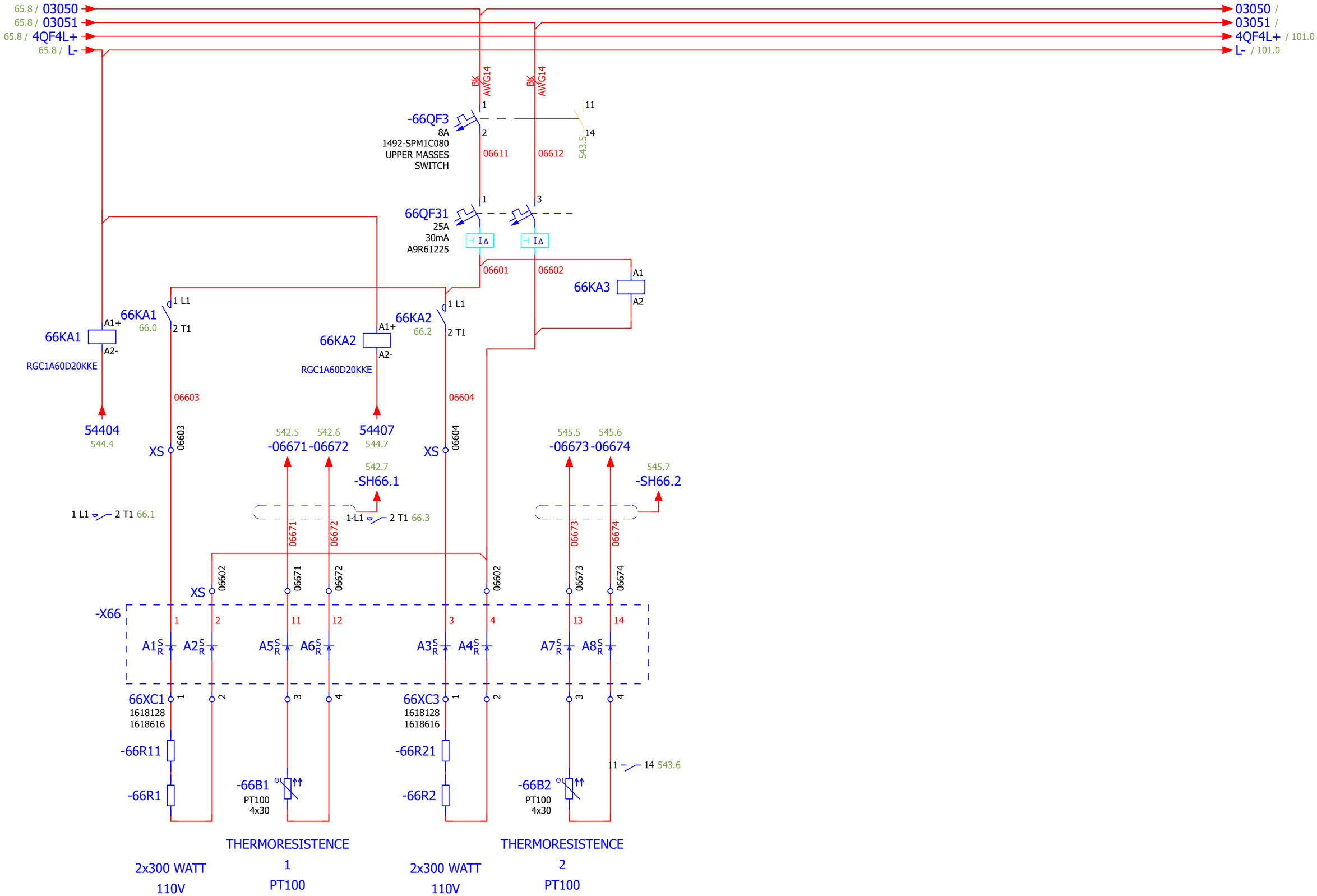


Modifica	Data	Nome	Data 12/07/2018	OTNESTLETUL1	THERMOREGULATION 3a HOT ROLLERS PAIR	64
			Elab. Lorenzo			
			Verificato			Foglio 65
63			Origine			Foglio 80

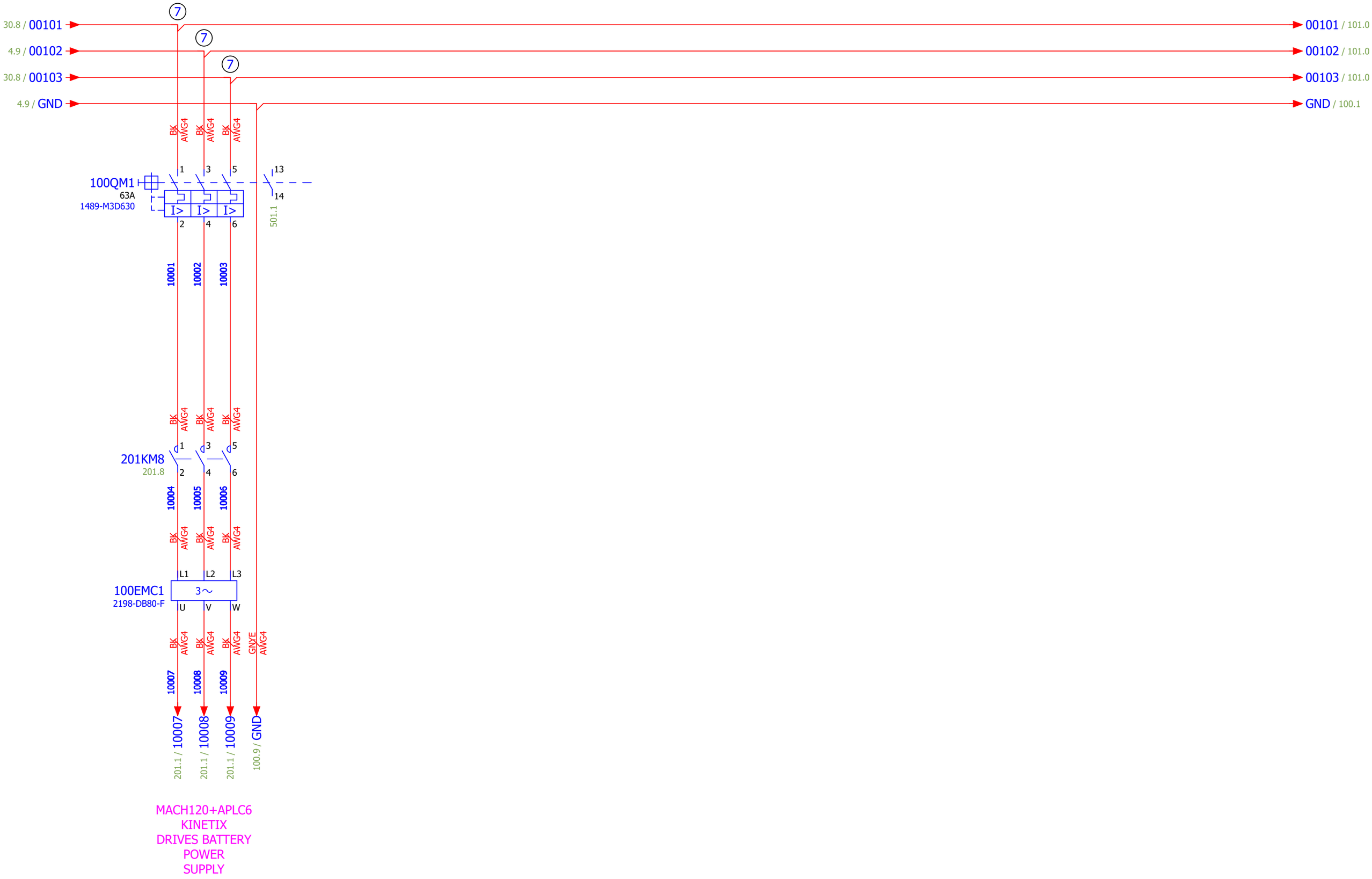
CT PACK



			Data	12/07/2018	OTNESTLETUL1	UPPER JAW THERMOREGULATION	65
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 66
64			Origine				Foglio 80

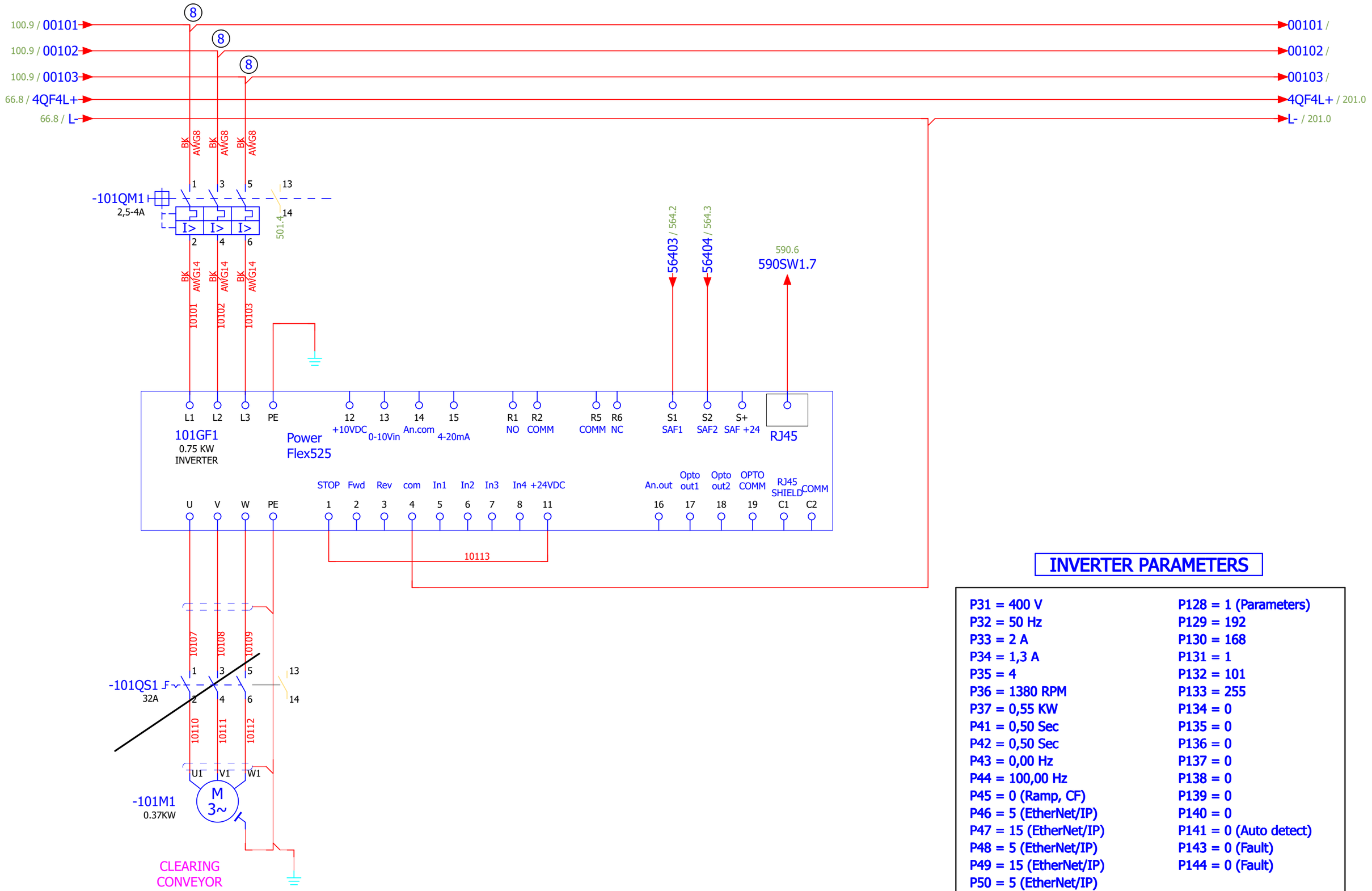


			Data	15/10/2018	OTNESTLETUL1	CT PACK	LOWER JAW THERMOREGULATION	66
			Elab.	Lorenzo				
Modifica	Data	Nome	Verificato					Foglio 100
65			Origine					Foglio 80



MACH120+APLC6
KINETIX
DRIVES BATTERY
POWER
SUPPLY

			Data	12/10/2018	OTNESTLETUL1	480V POWER SUPPLY	100
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 101
66			Origine				Foglio 80

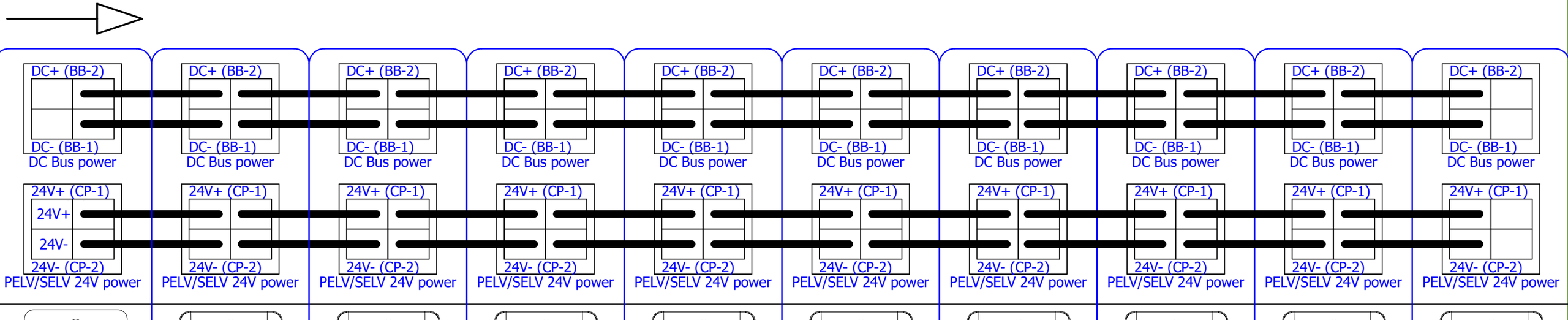


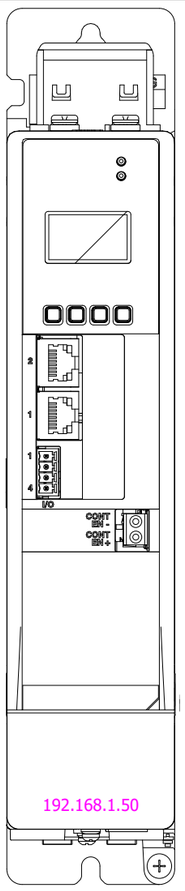
INVERTER PARAMETERS

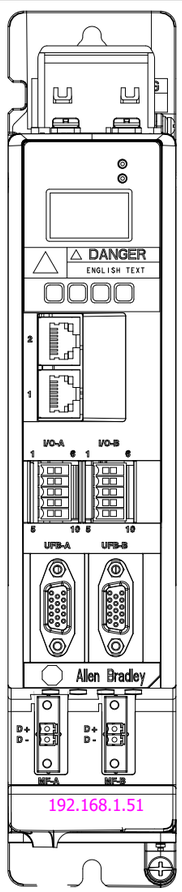
P31 = 400 V	P128 = 1 (Parameters)
P32 = 50 Hz	P129 = 192
P33 = 2 A	P130 = 168
P34 = 1,3 A	P131 = 1
P35 = 4	P132 = 101
P36 = 1380 RPM	P133 = 255
P37 = 0,55 KW	P134 = 0
P41 = 0,50 Sec	P135 = 0
P42 = 0,50 Sec	P136 = 0
P43 = 0,00 Hz	P137 = 0
P44 = 100,00 Hz	P138 = 0
P45 = 0 (Ramp, CF)	P139 = 0
P46 = 5 (EtherNet/IP)	P140 = 0
P47 = 15 (EtherNet/IP)	P141 = 0 (Auto detect)
P48 = 5 (EtherNet/IP)	P143 = 0 (Fault)
P49 = 15 (EtherNet/IP)	P144 = 0 (Fault)
P50 = 5 (EtherNet/IP)	
P51 = 1 (EtherNet/IP)	

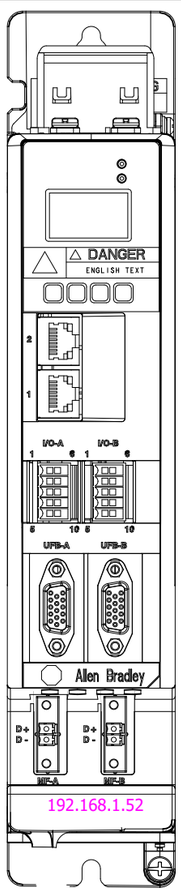
			Data	16/10/2018	OTNESTLETUL1	CLEARING CONVEYOR	101
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 200
100			Origine				Foglio 80

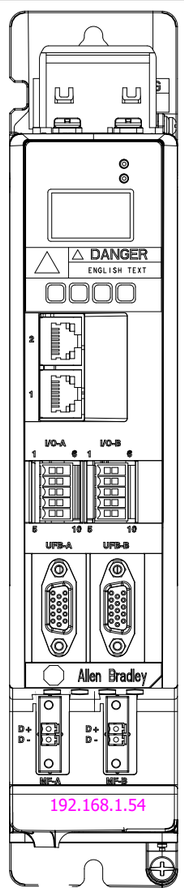
TOP VIEW

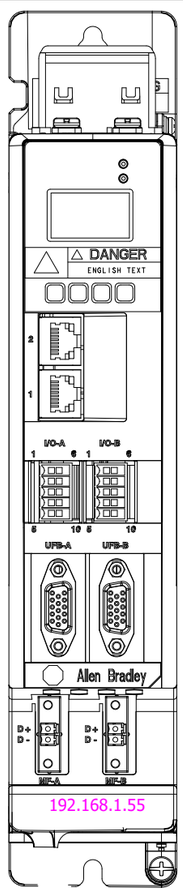


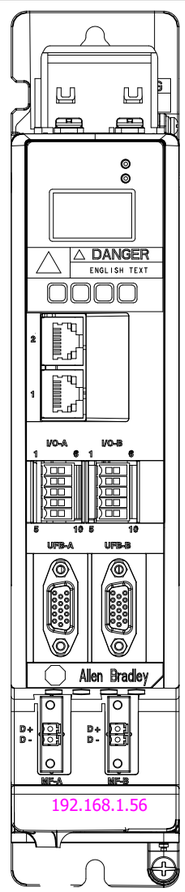


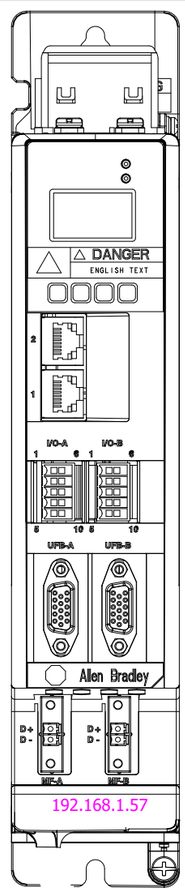


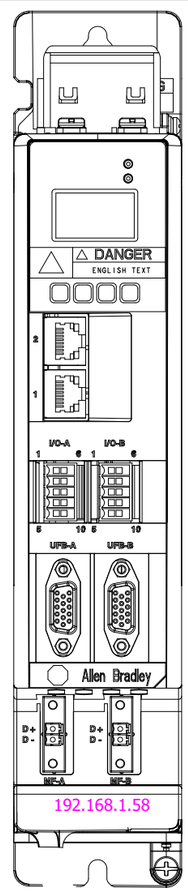


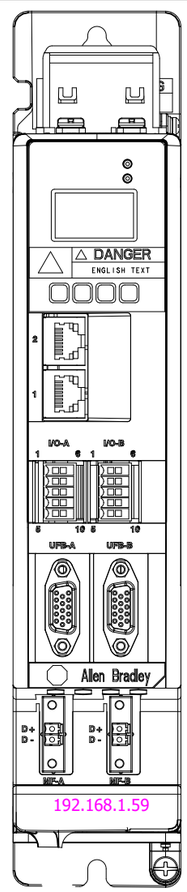


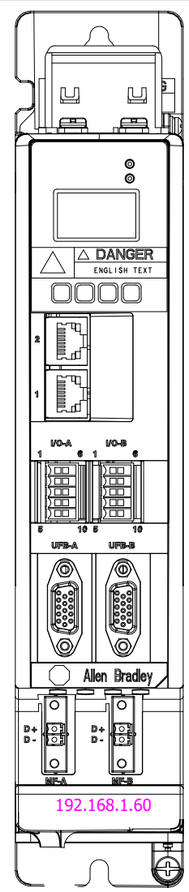












201PS1
201.0
2198-P141
2198-TCON-24VDCIN36
ALLEN BRADLEY
POWER SUPPLY

213AX1
213.0
2198-D020-ERS3
2198-H040-P-T
MASSE
CHAIN

215AX1
215.0
2198-D012-ERS3
2198-H040-P-T
ROLLERS
UNWINDER

219AX1
219.0
2198-D012-ERS3
2198-H040-P-T
LEFT REEL
RIGHT REEL

221AX1
221.0
2198-D012-ERS3
2198-H040-P-T
A APLC CONVEYOR
B APLC CONVEYOR

223AX1
223.0
2198-D012-ERS3
2198-H040-P-T
C APLC CONVEYOR
D APLC CONVEYOR

225AX1
225.0
2198-D012-ERS3
2198-H040-P-T
E APLC CONVEYOR
F APLC CONVEYOR

227AX1
227.0
2198-D006-ERS3
2198-H040-P-T
BAR-TURNER INFEED
1 INTERMEDIATE

229AX1
229.0
2198-D006-ERS3
2198-H040-P-T
2 INTERMEDIATE
SHARE

231AX1
231.0
2198-D006-ERS3
2198-H040-P-T
BAR-TURNER OUTFEED

			Data	16/07/2018
			Elab.	Lorenzo
Modifica	Data	Nome	Verificato	
101			Origine	

OTNESTLETUL1

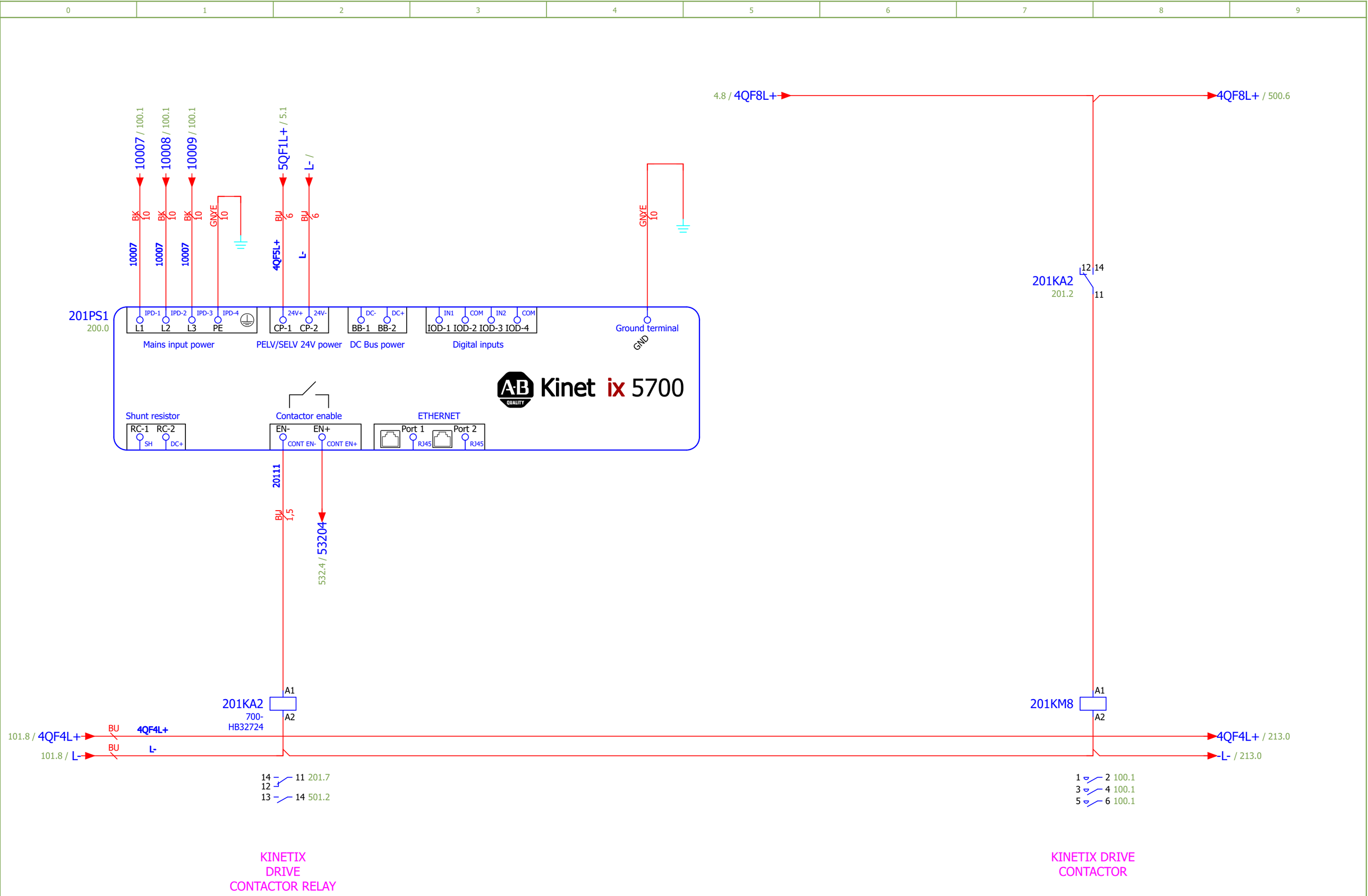
CT PACK

KINETIX DRIVE CONFIGURATION

200

Foglio 201

Foglio 80



			Data	23/10/2018	OTNESTLETUL1	POWER SUPPLY KINETIX	201
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 213
200			Origine				Foglio 80

201.8 / -4QF4L+
201.8 / -L-

-4QF4L+ / 215.0
-L- / 215.0

JAWS HOMING SENSOR
213SQ1
XK 21320
21320

CHAIN HOME PROXIMITIES
213SQ3
E2A-S08LN04-M1B1
XK 21322
21322

GNYE 10

213AX1
200.1

DC Bus power: DC- BB-1, DC+ BB-2
PELV/SELV 24V power: 24V+ CP-1, 24V- CP-2
Digital inputs - connector A: IN1 COM IN2 COM SHLD IN3 COM IN4 COM SH; IOD-1A IOD-2A IOD-3A IOD-4A IOD-5A IOD-6A IOD-7A IOD-8A IOD-9A IOD-10A
Digital inputs - connector B: IN1 COM IN2 COM SHLD IN3 COM IN4 COM SH; IOD-1B IOD-2B IOD-3B IOD-4B IOD-5B IOD-6B IOD-7B IOD-8B IOD-9B IOD-10B
Safe torque-off connector: SB+/NC S1A SCA S2A SB- S1B SCB S2B SB+/NC S1A SCA S2A SB- S1B SCB S2B; STO-1 STO-2 STO-3 STO-4 STO-5 STO-6 STO-7 STO-8 STO-9 STO-10 STO-11 STO-12 STO-13 STO-14 STO-15 STO-16
ETHERNET: RJ45 RJ45
Ground terminal GND

Motor power - A: U-A U, V-A V, W-A W, PE-A PE
Brake power - A: BC-1A MBRK+, BC-2A MBRK-
Motor feedback connector - A: MF-1A D+, MF-2A D-, MF-3A SHIELD
Universal feedback connectors: UFB-A
CABLE SHIELD CLAMP: SH
Motor power - B: U-B U, V-B V, W-B W, PE-B PE
Brake power - B: BC-1B MBRK+, BC-2B MBRK-
Motor feedback connector - B: MF-1B D+, MF-2B D-, MF-3B SHIELD
Universal feedback connectors: UFB-B

Dual Axis Inverter
Kinet ix 5700

21330 21331 21370 21371
21310 21311 21312 21350 21351 21352

FIELD INSTALLED

W213MAX1
2090-CSWM1DE-14AA05
5 m
BN BK BU GNYE BU WH/BU

W213MAX5
2090-CSWM1DE-14AA05
5 m
BN BK BU GNYE BU WH/BU

A B C L F G E H
U V W PE nc nc nc DATA+ DATA-
M 3~
MOTOR FEEDBACK
MOTOR CONNECTOR

213MAX1
2,8Kw 8,8Nm 4500rpm
VPF-B1303F-CJ12AF

213MAX5
1,4Kw 5,1Nm 4500rpm
VPF-B1153F-CJ12AF

MASSEES

CHAIN

			Data	23/10/2018	OTNESTLETUL1	CHAIN MOTOR JAWS MOTOR	213
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 215
201			Origine				Foglio 80

213.7 / -4QF4L+
213.7 / -L-

-4QF4L+ / 219.0
-L- / 219.0

FILM REFERENCE SIGN PHOTOCELL

215BF4
KT5-WB9124

XK 21524
21524

21524 / 529.2

GNYE
10

215AX1
200.2

DC Bus power: DC- BB-1, DC+ BB-2

PELV/SELV 24V power: 24V+ CP-1, 24V- CP-2

Digital inputs - connector A: IN1 COM IN2 COM SHLD IN3 COM IN4 COM SH; IOD-1A IOD-2A IOD-3A IOD-4A IOD-5A IOD-6A IOD-7A IOD-8A IOD-9A IOD-10A

Digital inputs - connector B: IN1 COM IN2 COM SHLD IN3 COM IN4 COM SH; IOD-1B IOD-2B IOD-3B IOD-4B IOD-5B IOD-6B IOD-7B IOD-8B IOD-9B IOD-10B

Safe torque-off connector: SB+/NC S1A SCA S2A SB- S1B SCB S2B SB+/NC S1A SCA S2A SB- S1B SCB S2B; STO-1 STO-2 STO-3 STO-4 STO-5 STO-6 STO-7 STO-8 STO-9 STO-10 STO-11 STO-12 STO-13 STO-14 STO-15 STO-16

ETHERNET: RJ45 RJ45

Ground terminal: GND

Motor power - A: U-A V-A W-A PE-A; U V W PE

Brake power - A: BC-1A BC-2A; MBRK+ MBRK-

Motor feedback connector - A: MF-1A MF-2A MF-3A; D+ D- SHIELD

Universal feedback connectors: UFB-A

CABLE SHIELD CLAMP: SH

Motor power - B: U-B V-B W-B PE-B; U V W PE

Brake power - B: BC-1B BC-2B; MBRK+ MBRK-

Motor feedback connector - B: MF-1B MF-2B MF-3B; D+ D- SHIELD

Universal feedback connectors: UFB-B

Dual Axis Inverter
Kinet ix 5700

21520 21521 21530 21531 21560 21561 21570 21571

21510 21511 21512 21550 21551 21552

FIELD INSTALLED

W215MAX1
2090-CSBM1DE-14AA05
5 m

W215MAX5
2090-CSBM1DE-14AA05
7x
5 m

BN BK BU GNYE BK WH BU WH/BU

A B C L F G E H
U V W PE nc MBRK+ MBRK- DATA+ DATA-

M 3~
BRAKE
MOTOR FEEDBACK
MOTOR CONNECTOR

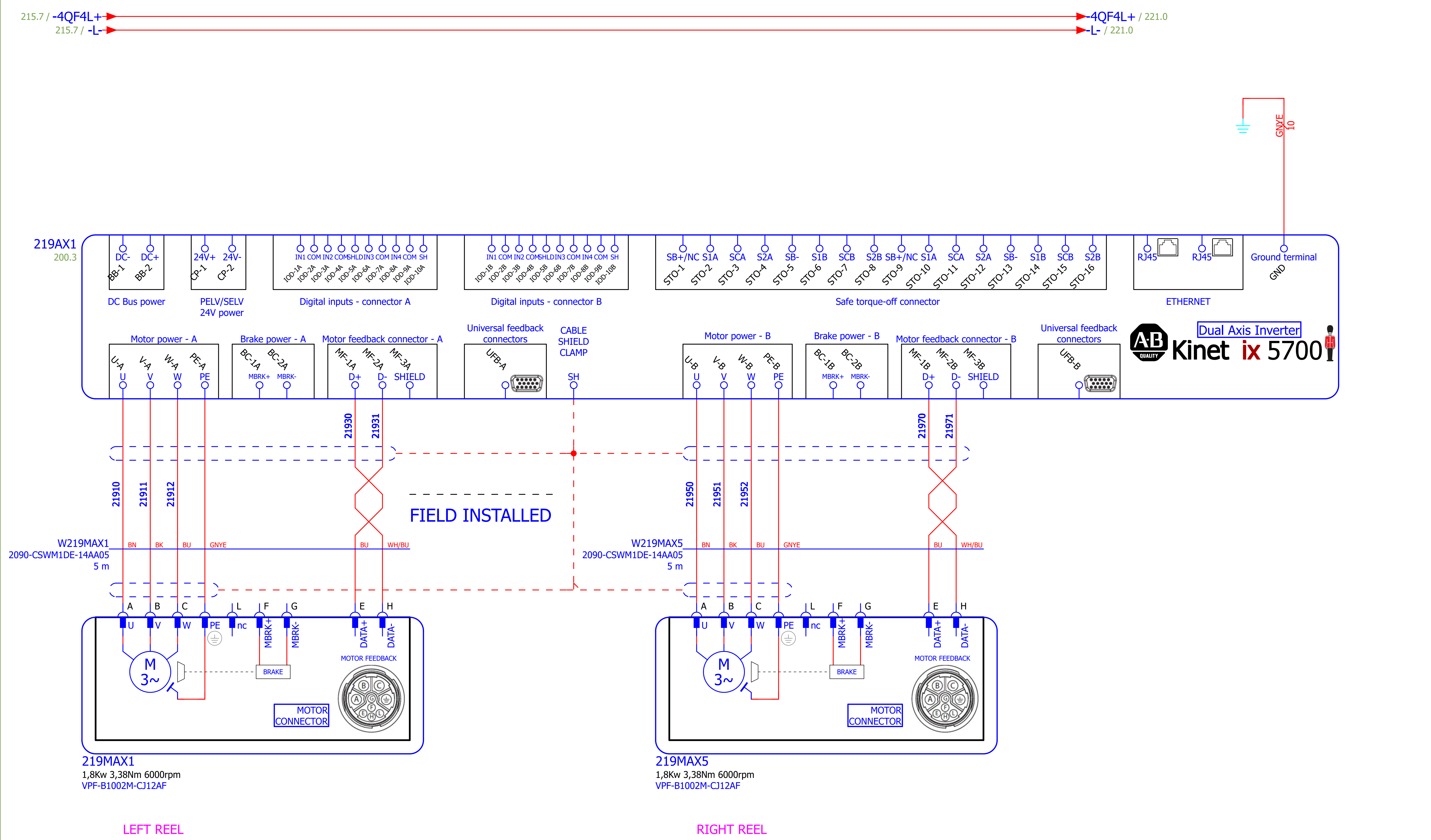
215MAX1
1,4Kw 5,1Nm 4500rpm
VPF-B1153F-CJ14AF

215MAX5
1,8Kw 3,38Nm 6000rpm
VPF-B1002M-CJ14AF

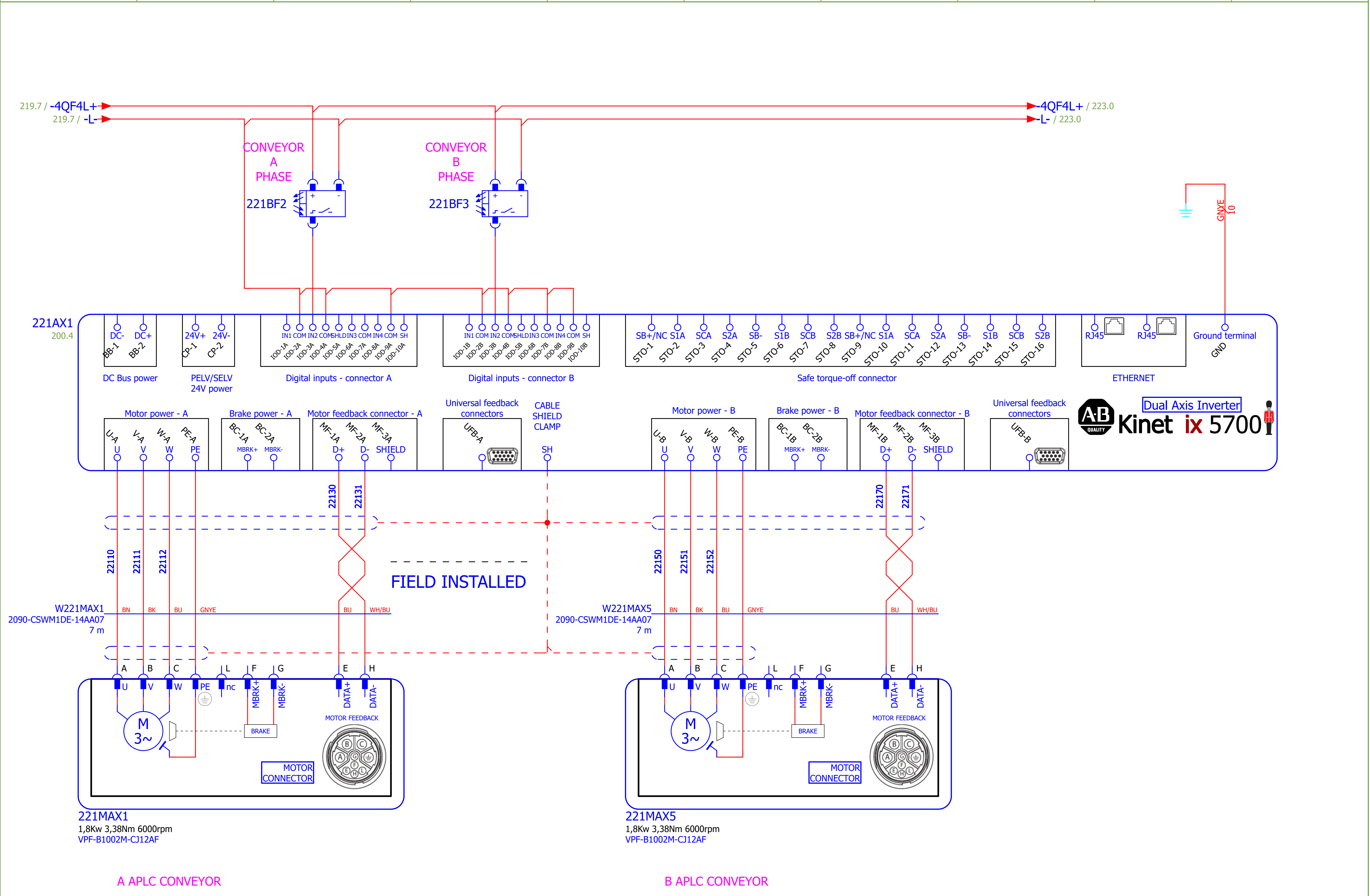
ROLLERS

UNWINDER

			Data	23/10/2018	OTNESTLETUL1	UNWINDER MOTOR ROLLERS MOTOR	215
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 219
213			Origine				Foglio 80



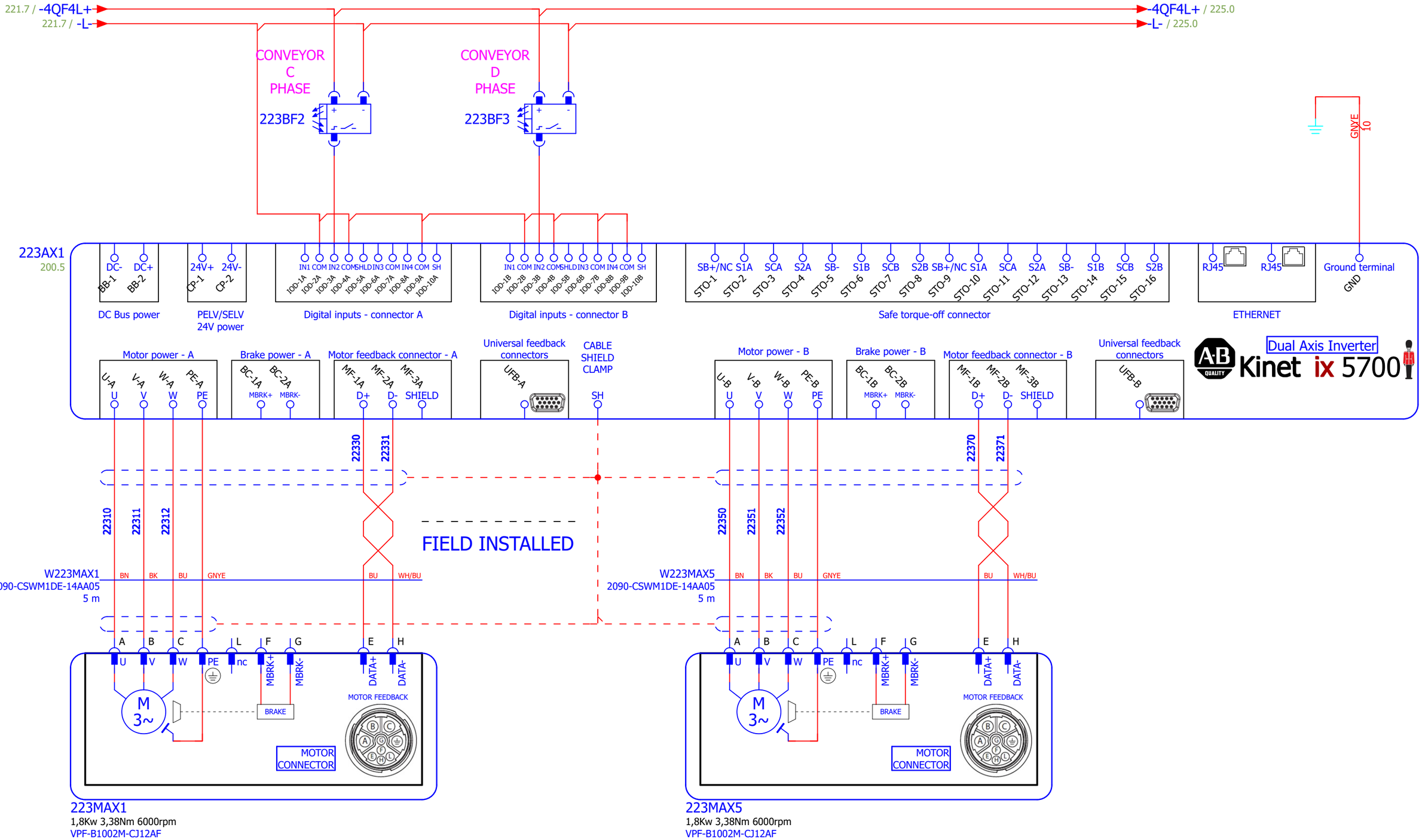
			Data	23/10/2018	OTNESTLETUL1	RIGHT REEL MOTOR LEFT REEL MOTOR		219
			Elab.	Lorenzo				
Modifica	Data	Nome	Verificato					Foglio 221
215			Origine					Foglio 80



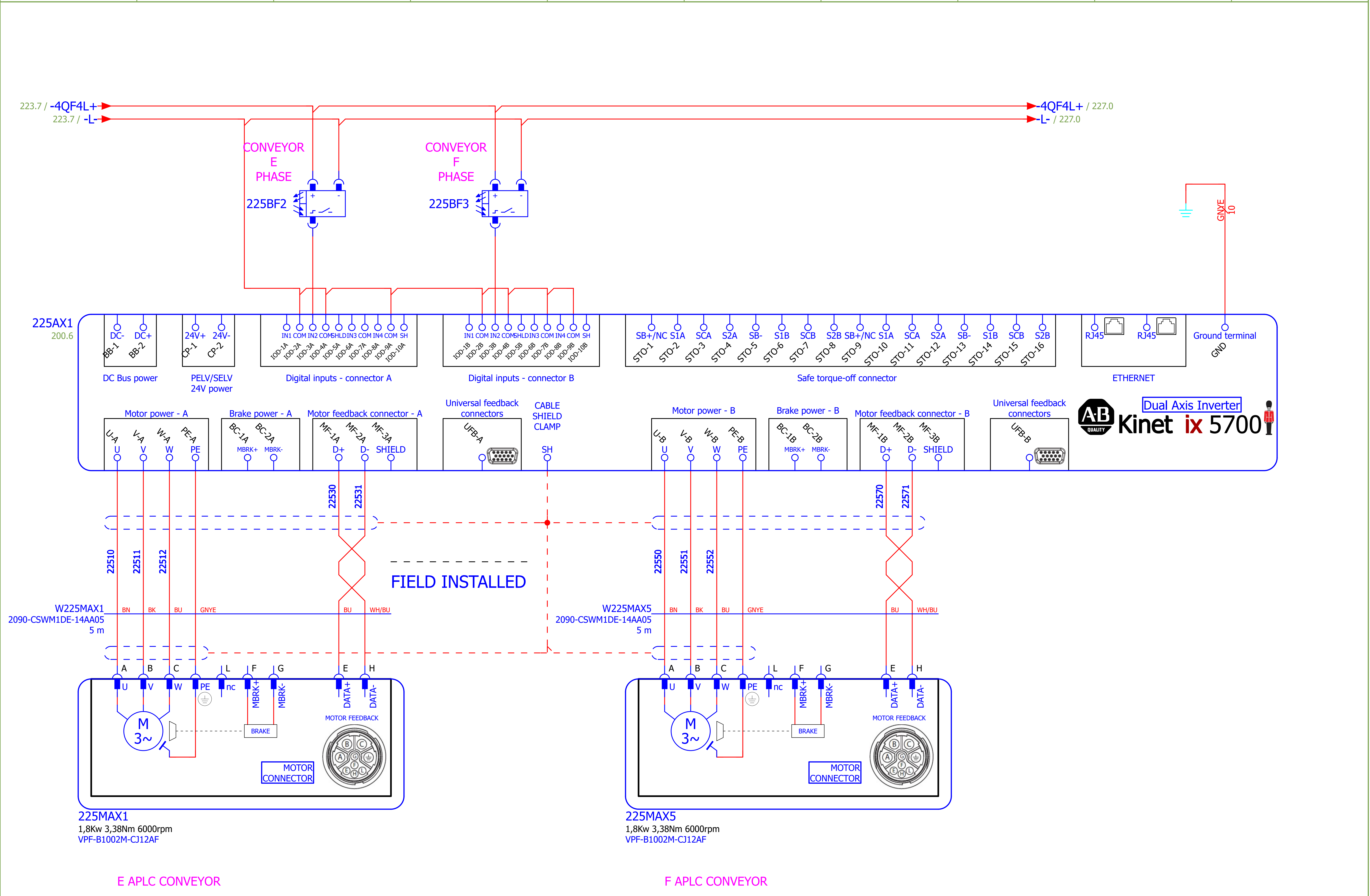
			Data	23/10/2018	OTNESTLETUL1
			Elab.	Lorenzo	
Modifica	Data	Nome	Verificato		
219			Origine		

CT PACK

A APLC CONVEYOR MOTOR
B APLC CONVEYOR MOTOR



			Data	23/10/2018	OTNESTLETUL1	C APLC CONVEYOR MOTOR D APLC CONVEYOR MOTOR	223
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 225
221			Origine				Foglio 80



			Data	23/10/2018	OTNESTLETUL1		E APLC CONVEYOR MOTOR F APLC CONVEYOR MOTOR	225
			Elab.	Lorenzo				
Modifica	Data	Nome	Verificato					Foglio 227
223			Origine					Foglio 80

225.7 / -4QF4L+ → -4QF4L+ / 229.0
225.7 / -L- → -L- / 229.0

GNYE 10

227AX1
200.7

DC Bus power: DC- BB-1, DC+ BB-2
PELV/SELV 24V power: 24V+ CP-1, 24V- CP-2
Digital inputs - connector A: IN1 COM IN2 COM SHLD IN3 COM IN4 COM SH — IOD-1A IOD-2A IOD-3A IOD-4A IOD-5A IOD-6A IOD-7A IOD-8A IOD-9A IOD-10A
Digital inputs - connector B: IN1 COM IN2 COM SHLD IN3 COM IN4 COM SH — IOD-1B IOD-2B IOD-3B IOD-4B IOD-5B IOD-6B IOD-7B IOD-8B IOD-9B IOD-10B
Safe torque-off connector: SB+/NC S1A SCA S2A SB- S1B SCB S2B SB+/NC S1A SCA S2A SB- S1B SCB S2B — STO-1 STO-2 STO-3 STO-4 STO-5 STO-6 STO-7 STO-8 STO-9 STO-10 STO-11 STO-12 STO-13 STO-14 STO-15 STO-16
ETHERNET: RJ45 RJ45
Ground terminal: GND

Motor power - A: U-A U, V-A V, W-A W, PE-A PE
Brake power - A: BC-1A MBRK+, BC-2A MBRK-
Motor feedback connector - A: MF-1A D+, MF-2A D-, MF-3A SHIELD
Universal feedback connectors: UFB-A
CABLE SHIELD CLAMP: SH
Motor power - B: U-B U, V-B V, W-B W, PE-B PE
Brake power - B: BC-1B MBRK+, BC-2B MBRK-
Motor feedback connector - B: MF-1B D+, MF-2B D-, MF-3B SHIELD
Universal feedback connectors: UFB-B

Dual Axis Inverter
Kinet ix 5700

22710 22711 22712
22750 22751 22752

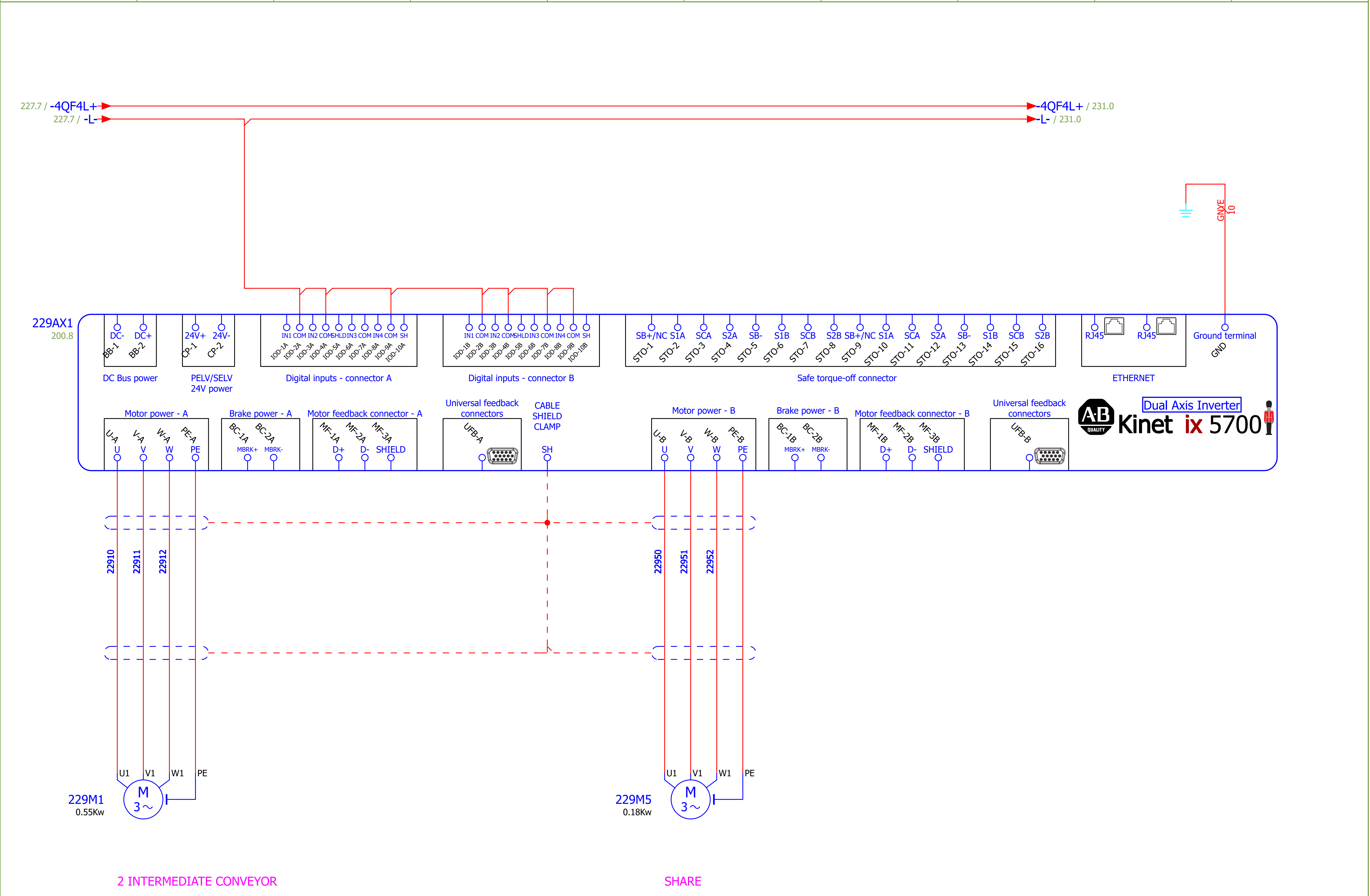
227M1
0.55Kw
U1 V1 W1 PE
M 3~

227M5
0.55Kw
U1 V1 W1 PE
M 3~

BAR-TURNER INFEED

1 INTERMEDIATE CONVEYOR

			Data	23/10/2018	OTNESTLETUL1	1 INTERMEDIATE CONVEYOR MOTOR BAR TURNER INFEED MOTOR	227
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 229
225			Origine				Foglio 80



			Data	23/10/2018	OTNESTLETUL1	SHARE MOTOR 2 INTERMEDIATE CONVEYOR MOTOR	229
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 231
227			Origine				Foglio 80

229.7 / -4QF4L+ → -4QF4L+ / 400.0
229.7 / -L- → -L- / 400.0

GNYE 10

231AX1
200.9

DC Bus power: DC- BB-1, DC+ BB-2
PELV/SELV 24V power: 24V+ CP-1, 24V- CP-2
Digital inputs - connector A: IN1 COM IN2 COM SHLD IN3 COM IN4 COM SH — IOD-1A IOD-2A IOD-3A IOD-4A IOD-5A IOD-6A IOD-7A IOD-8A IOD-9A IOD-10A
Digital inputs - connector B: IN1 COM IN2 COM SHLD IN3 COM IN4 COM SH — IOD-1B IOD-2B IOD-3B IOD-4B IOD-5B IOD-6B IOD-7B IOD-8B IOD-9B IOD-10B
Safe torque-off connector: SB+/NC S1A SCA S2A SB- S1B SCB S2B SB+/NC S1A SCA S2A SB- S1B SCB S2B — STO-1 STO-2 STO-3 STO-4 STO-5 STO-6 STO-7 STO-8 STO-9 STO-10 STO-11 STO-12 STO-13 STO-14 STO-15 STO-16
ETHERNET: RJ45 RJ45
Ground terminal: GND

Motor power - A: U-A U, V-A V, W-A W, PE-A PE
Brake power - A: BC-1A MBRK+, BC-2A MBRK-
Motor feedback connector - A: MF-1A D+, MF-2A D-, MF-3A SHIELD
Universal feedback connectors: UFB-A
CABLE SHIELD CLAMP: SH
Motor power - B: U-B U, V-B V, W-B W, PE-B PE
Brake power - B: BC-1B MBRK+, BC-2B MBRK-
Motor feedback connector - B: MF-1B D+, MF-2B D-, MF-3B SHIELD
Universal feedback connectors: UFB-B

Dual Axis Inverter
Kinet ix 5700

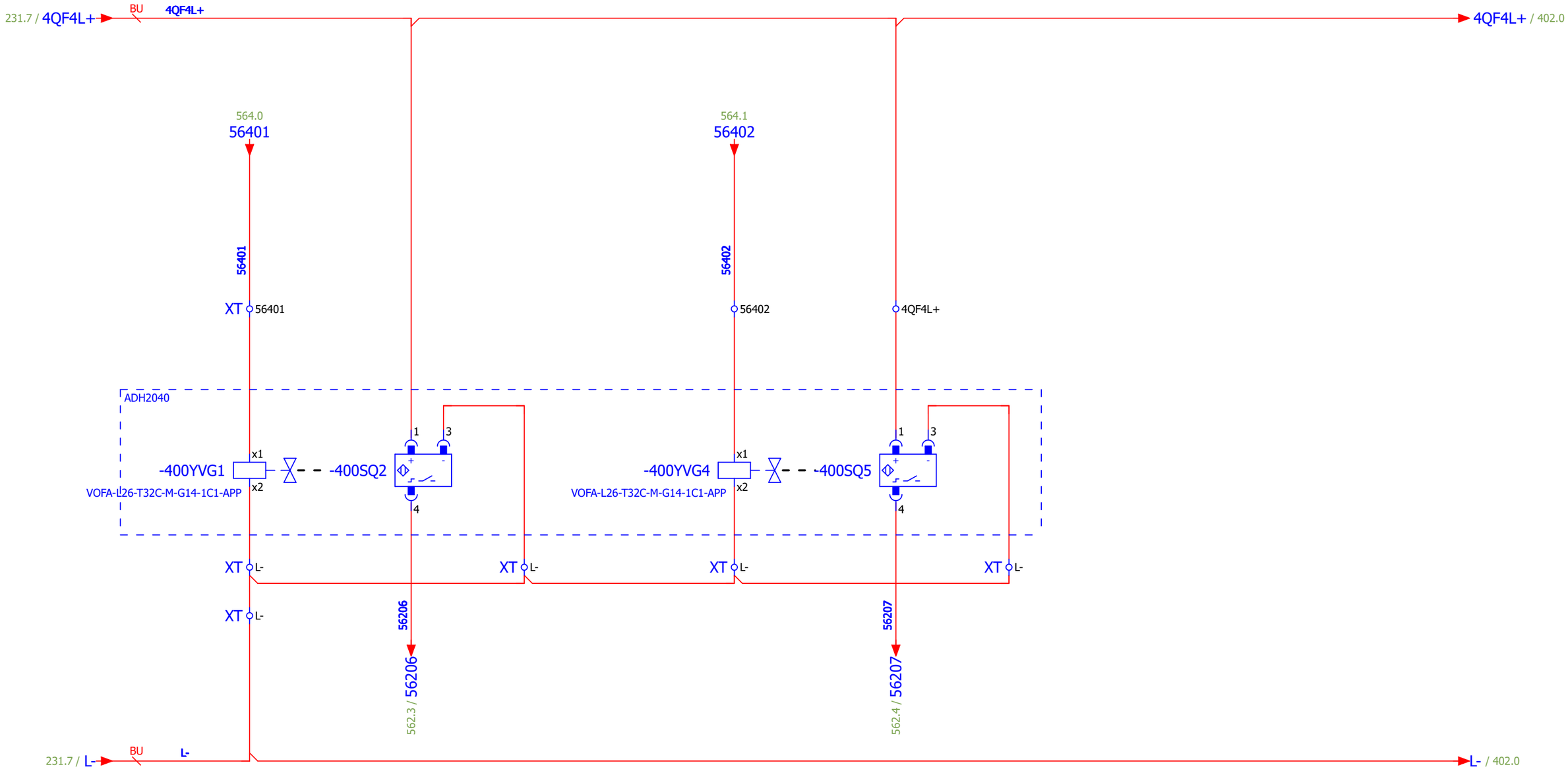
23110 23111 23112

U1 V1 W1 PE

231M1
0.75Kw
M
3 ~

BAR-TURNER OUTFEED CONVEYOR

			Data	23/10/2018	OTNESTLETUL1	BAR TURNER OUTFEED BELT MOTOR	231
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 400
229			Origine				Foglio 80



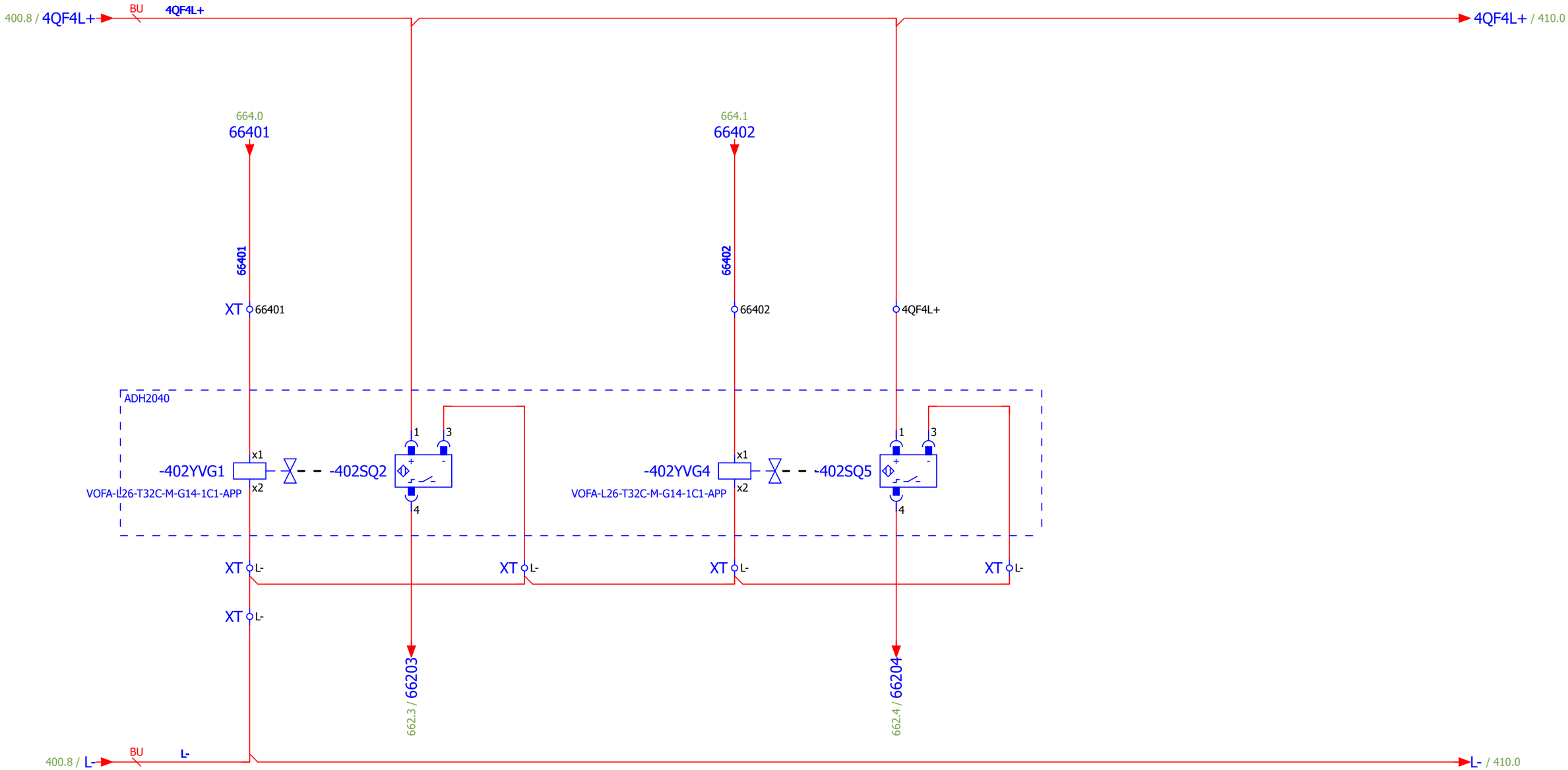
CH1 GENERAL AIR VALVE

CH1 GENERAL AIR VALVE FEEDBACK

CH2 GENERAL AIR VALVE

CH2 GENERAL AIR VALVE FEEDBACK

			Data	16/10/2018	OTNESTLETUL1	MAIN AIR AND MOTIVE POWER INITIATION	400
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 402
231			Origine				Foglio 80



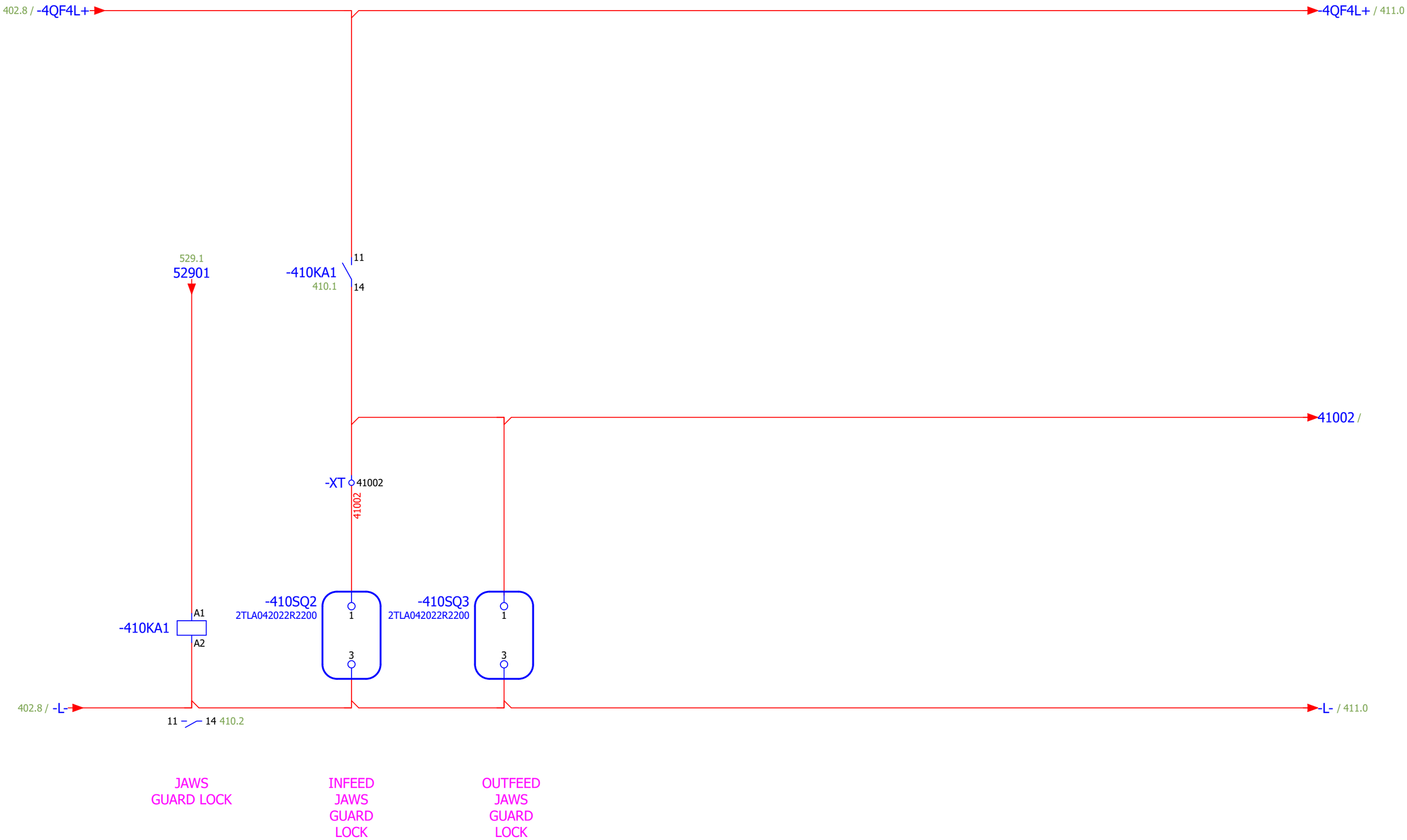
CH1 GENERAL AIR VALVE

CH1 GENERAL AIR VALVE FEEDBACK

CH2 GENERAL AIR VALVE

CH2 GENERAL AIR VALVE FEEDBACK

			Data	16/10/2018	OTNESTLETUL1	MAIN AIR AND MOTIVE POWER INITIATION	402
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 410
400			Origine				Foglio 80



			Data	16/07/2018	OTNESTLETUL1	JAWS GUARD LOCK	410
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 411
402			Origine				Foglio 80

410.8 / -4QF4L+

-4QF4L+ / 438.0

529.2
52902

-411KA1
411.1

11
14

41102 /

-XT 41102

41102

-411SQ2
2TLA042022R2200

1
3

-411KA1
A1
A2

410.8 / -L-

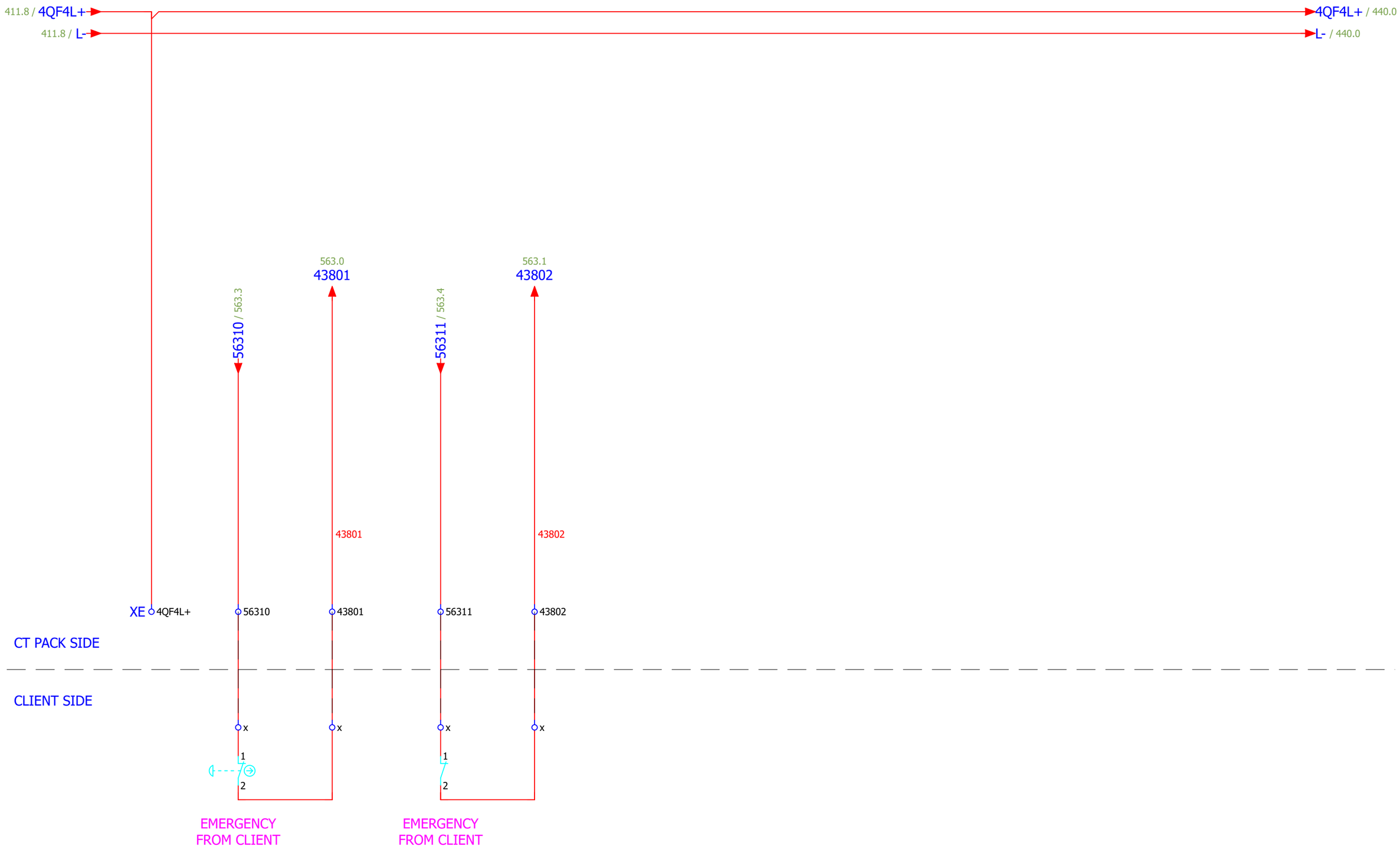
-L- / 438.0

11 14 411.2

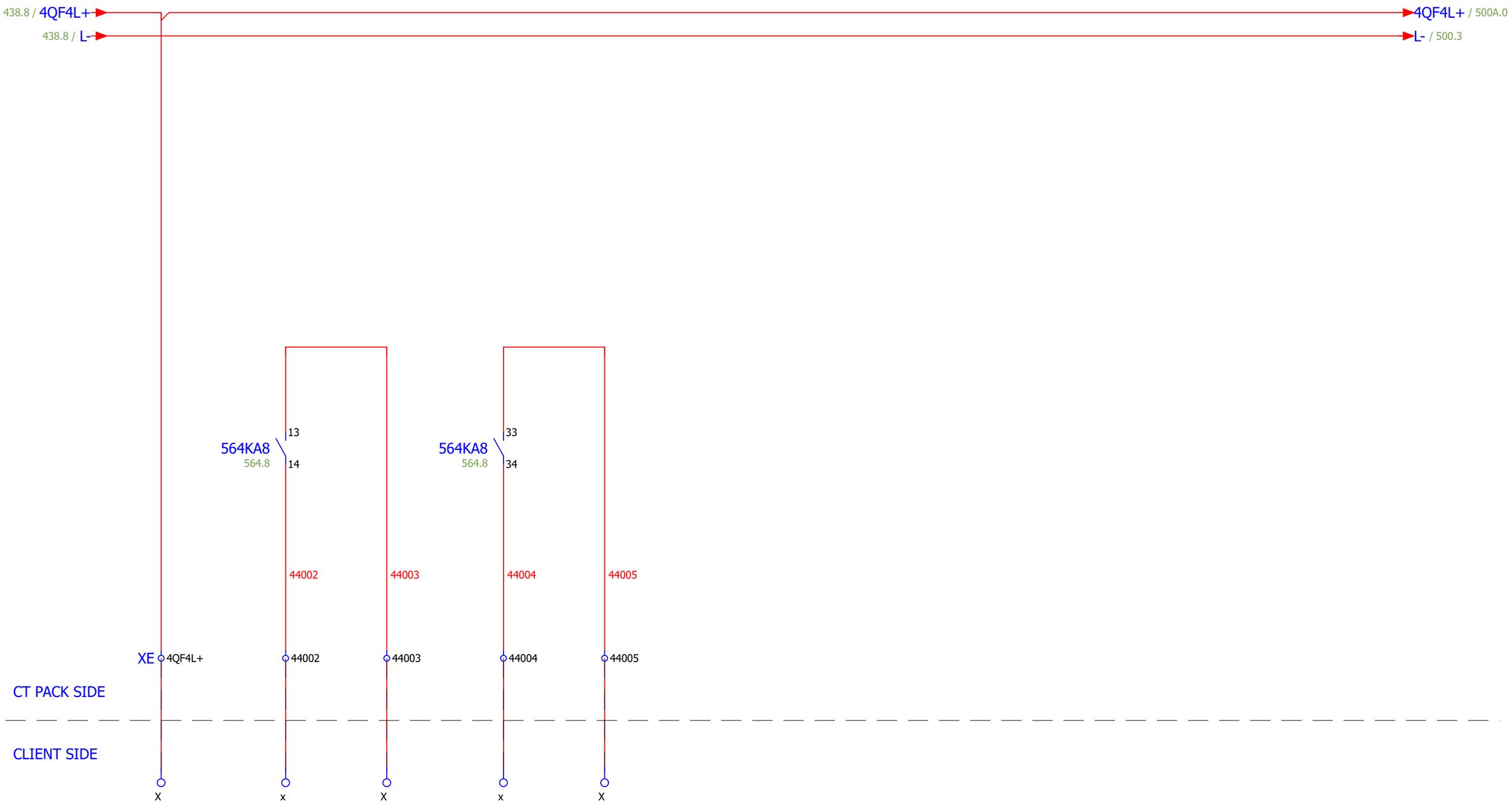
CHAIN GUARD BLOCK

CHAIN GUARD BLOCK

			Data	11/07/2018	OTNESTLETUL1		CHAIN GUARD BLOCK	411
			Elab.	Lorenzo				
Modifica	Data	Nome	Verificato					Foglio 438
410			Origine					Foglio 80

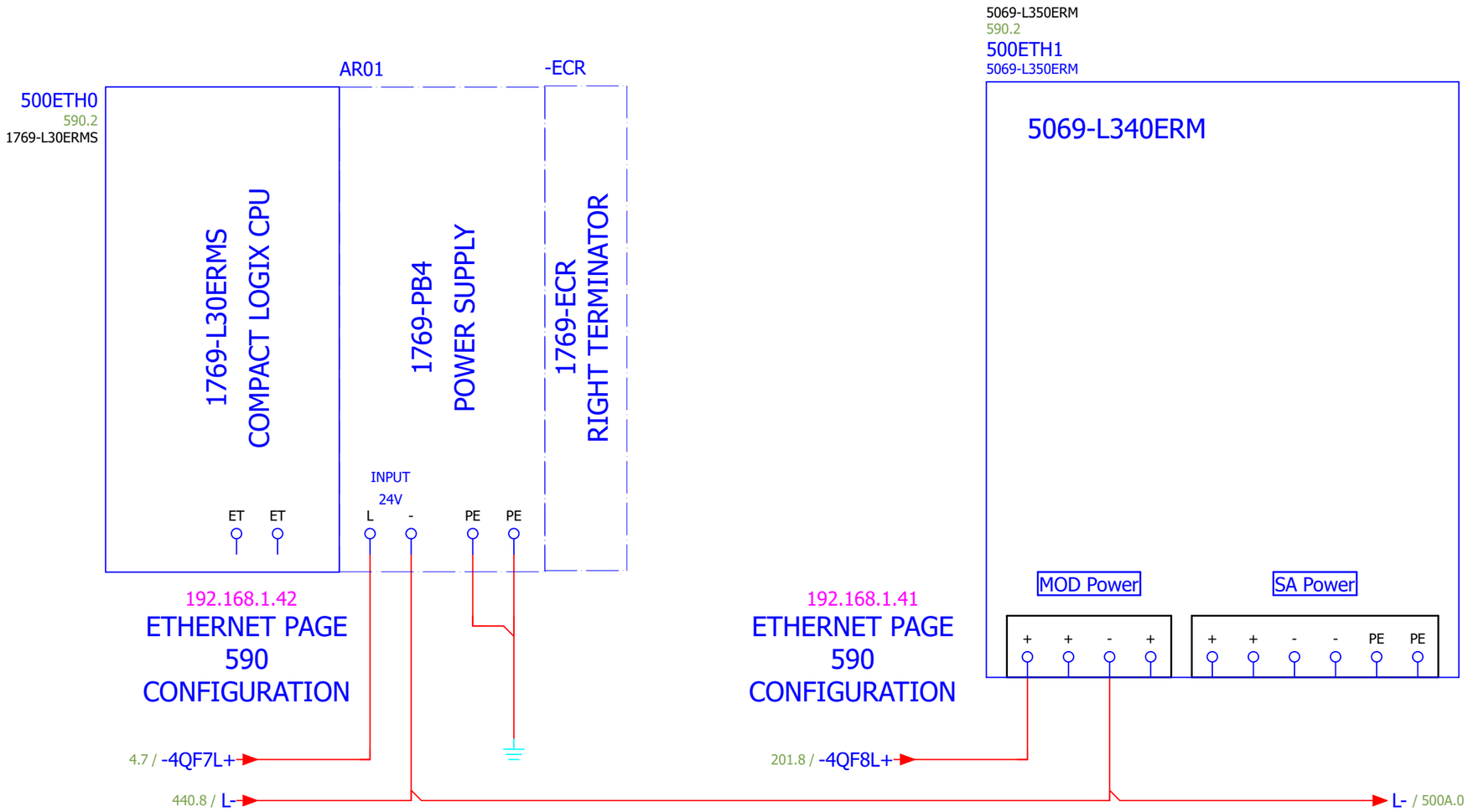


			Data	16/07/2018	OTNESTLETUL1		CLIENT INTERFACE	438
			Elab.	Lorenzo				
Modifica	Data	Nome	Verificato					Foglio 440
411			Origine					Foglio 80



			Data	16/07/2018	OTNESTLETUL1		CLIENT INTERFACE	440
			Elab.	Lorenzo				
Modifica	Data	Nome	Verificato					Foglio 500
438			Origine					Foglio 80

COMPACT LOGIX PLC CONFIGURATION



			Data	11/07/2018	OTNESTLETUL1	PLC CONFIGURATION	500
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 500A
440			Origine				Foglio 80

MACHINE PANEL I/O POINT PLC CONFIGURATION

590.3	501.0	502.0	503.0	504.0		529.0	530.0		532.0	533.0		540.0	541.0	542.0	543.0	544.0	545.0	546.0
500AETH0	500ADI1	500ADI2	500ADI3	500ADI4	500ADI5	500ADO6	500ADO7	500ADO8	500ADO9	500ADO10	500AAL1	500AAI11	500AAI12	500AAI13	500ADI14	500ADO15	500AAI16	500AAI17
1734-AENTR	1734-IB8	1734-IB8	1734-IB8	1734-IB8	1734-IB8	1734-OB8E	1734-OB8E	1734-OB8E	1734-OB8E	1734-OB8E	1734-EP24DC	1734-IE2C	1734-IR2	1734-IR2	1734-IB8	1734-OB8E	1734-IR2	1734-IE2C
ALLEN BRADLEY	1734-TB	1734-TB	1734-TB	1734-TB	1734-TB	1734-TB	1734-TB	1734-TB	1734-TB	1734-TB		1734-TB	1734-TB	1734-TB	1734-TB	1734-TB	1734-TB	1734-TB
	ALLEN BRADLEY	ALLEN BRADLEY	ALLEN BRADLEY	ALLEN BRADLEY	ALLEN BRADLEY	ALLEN BRADLEY	ALLEN BRADLEY	ALLEN BRADLEY	ALLEN BRADLEY	ALLEN BRADLEY	ALLEN BRADLEY				ALLEN BRADLEY	ALLEN BRADLEY		

800mA

Ethernet Adapter 2 Port
1734-AENTR

6 4 2
24V 0V PE

8 DIGITAL INPUTS MODULE 1734-IB8 — PointIO 75mA
8 DIGITAL INPUTS MODULE 1734-IB8 — PointIO 75mA
8 DIGITAL INPUTS MODULE 1734-IB8 — PointIO 75mA
8 DIGITAL INPUTS MODULE 1734-IB8 — PointIO 75mA
8 DIGITAL INPUTS MODULE 1734-IB8 — PointIO 75mA
8 DIGITAL OUTPUTS MODULE 1734-OB8E — PointIO 75mA
8 DIGITAL OUTPUTS MODULE 1734-OB8E — PointIO 75mA
8 DIGITAL OUTPUTS MODULE 1734-OB8E — PointIO 75mA
8 DIGITAL OUTPUTS MODULE 1734-OB8E — PointIO 75mA
8 DIGITAL OUTPUTS MODULE 1734-OB8E — PointIO 75mA

1000mA

Expansion Power Supply
1734-EP24DC

6 4 2
24V 0V PE

MODULE 2 ANALOGUE INPUTS 1734-IE2C — PointIO 75mA
MODULE 2 RTD ANALOGUE INPUTS 1734-IR2 — POINTIO 220MA
MODULE 2 RTD ANALOGUE INPUTS 1734-IR2 — POINTIO 220MA
8 DIGITAL INPUTS MODULE 1734-IB8 — PointIO 75mA
8 DIGITAL OUTPUTS MODULE 1734-OB8E — PointIO 75mA
MODULE 2 RTD ANALOGUE INPUTS 1734-IR2 — POINTIO 220MA
MODULE 2 ANALOGUE INPUTS 1734-IE2C — PointIO 75mA

BU 1,5
BU 1,5
GNYE 1,5

750mA

960mA

BU 1,5
BU 1,5
GNYE 1,5

ETHERNET PAGE
590
CONFIGURATION

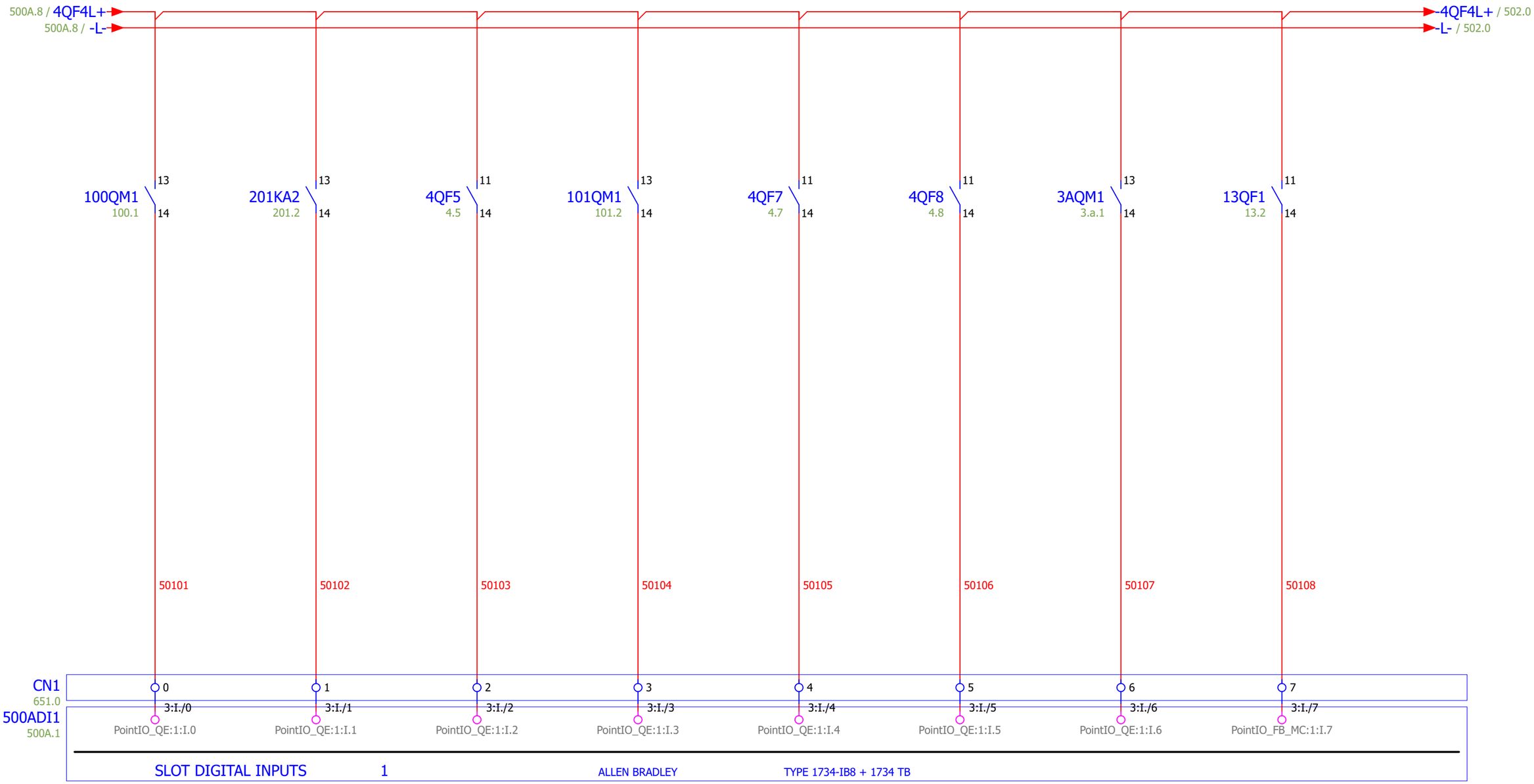
500.8 / L-

440.8 / 4QF4L+

L- / 501.0

4QF4L+ / 501.0

			Data	16/07/2018	OTNESTLETUL1	MACH80 I/O POINT PLC STRUCTURE	500A
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 501
500			Origine				Foglio 80



			Data	16/07/2018	OTNESTLETUL1	MODULE 8 SLOT DIGITAL INPUTS 1	501
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 502
500A			Origine				Foglio 80

501.8 / -4QF4L+
501.8 / -L-

-4QF4L+ / 503.0
-L- / 503.0

-01305 / 13.3

3QF1.1 11 14
3.1

50209

3QF1.2 11 14
3.1

-502 BT4

502 BP5 P

-502SB6 E 1 2
LUMINOSO VERDE
800FP-LF3

-502SB7 E 3 4
LUMINOSO ROSSO
800FP-LF4

-5002SB8 E 1 2
LUMINOSO BIANCO
800FP-LF7

50201 50202 50203 50204 50205 50206 50207 50208

CN2
653.0

0	1	2	3	4	5	6	7
3:I./0	3:I./1	3:I./2	3:I./3	3:I./4	3:I./5	3:I./6	3:I./7

500ADI2
500A.2

PointIO_QE:2:I.0 PointIO_QE:2:I.1 PointIO_QE:2:I.2 PointIO_QE:2:I.3 PointIO_QE:2:I.4 PointIO_QE:2:I.5 PointIO_QE:2:I.6 PointIO_QE:2:I.7

SLOT DIGITAL INPUTS 2 ALLEN BRADLEY TYPE 1734-IB8 + 1734 TB

MARKER OK

115V SWITCH

AVAILABLE INPUT

CABINET TEMPERATURE ALARM

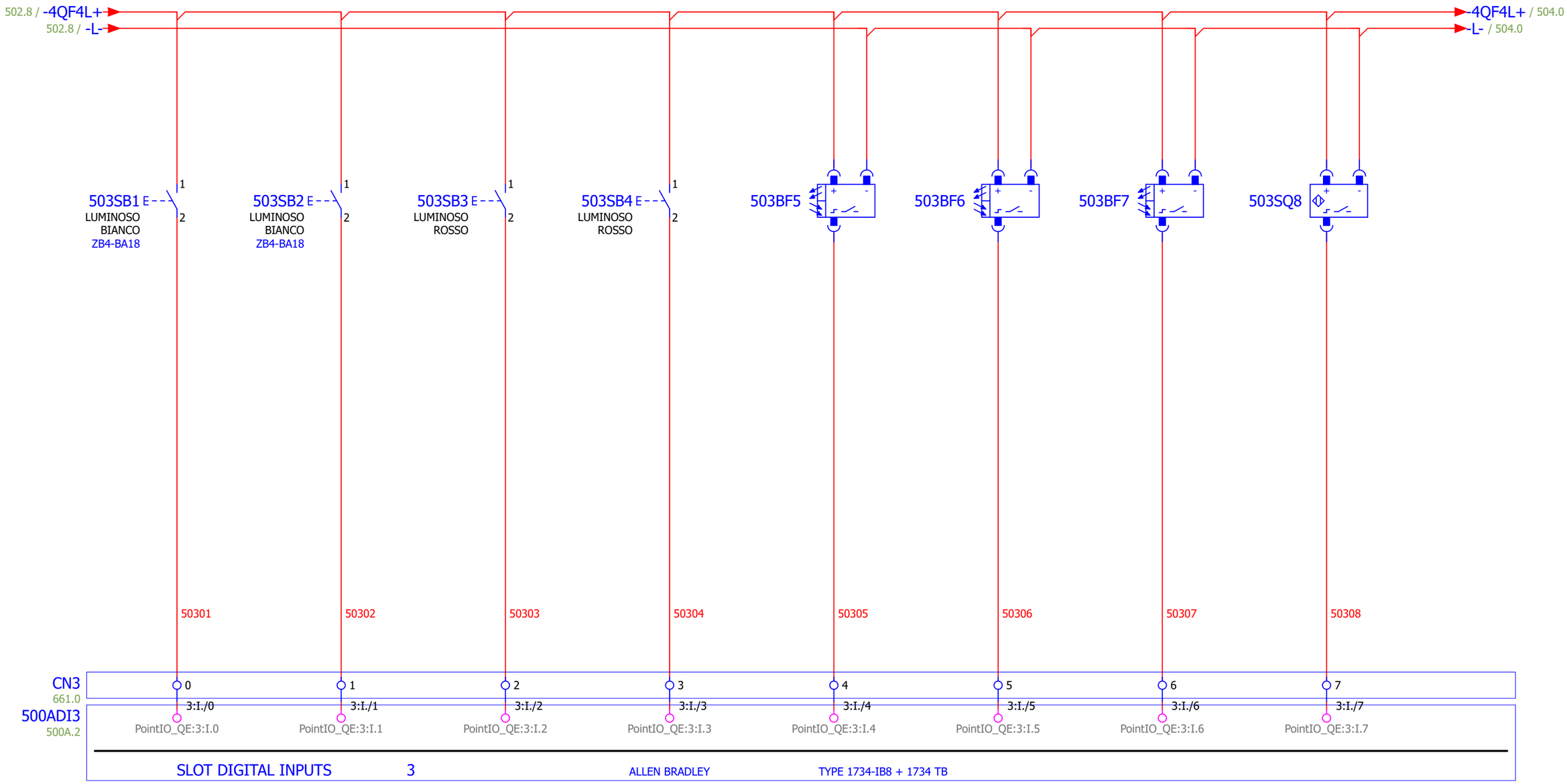
MACH120 PRESSURE SWITCH

START

STOP PUSHBUTTON

JOG PUSHBUTTON + MANUAL COMMANDS

			Data	16/07/2018	OTNESTLETUL1		MODULE 8 SLOT DIGITAL INPUTS 2		502
			Elab.	Lorenzo					
Modifica	Data	Nome	Verificato						Foglio 503
501			Origine						Foglio 80



FILM JOG PUSHBUTTON

OPEN ROLLERS BUTTON

LEFT ASPO OPEN BUTTON

RIGHT ASPO OPEN BUTTON

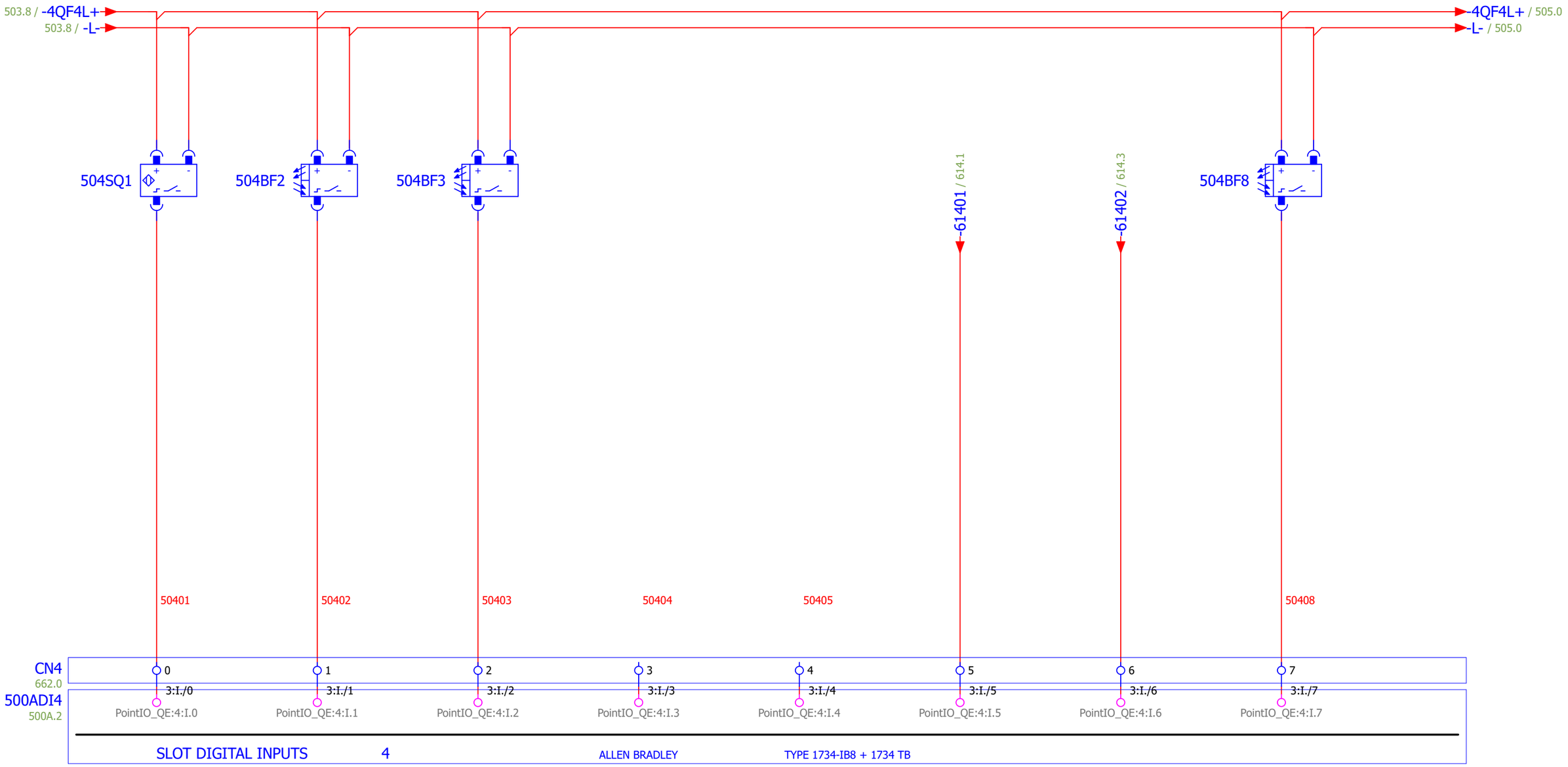
HIGH PRODUCTS CHECK PHOTOCELL

OUT OF PHASE IN TUNNEL CHECK PHOTOCELL

STRIP WRAPPING PHASE PHOTOCELL

LEFT FILM END PROXY

			Data	16/07/2018	OTNESTLETUL1	MODULE 8 SLOT DIGITAL INPUTS 3	503
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 504
502			Origine				Foglio 80



			Data	16/07/2018	OTNESTLETUL1	MODULE 8 SLOT DIGITAL INPUTS 4	504
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 505
503			Origine				Foglio 80

504.8 / -4QF4L+ → -4QF4L+ / 529.0

504.8 / -L- → -L- / 529.0

50501 50502 50503 50504 50505 50506 50507 50508

CN5
663.0
500AI5

0	1	2	3	4	5	6	7
3:I./0	3:I./1	3:I./2	3:I./3	3:I./4	3:I./5	3:I./6	3:I./7
PointIO_QE:5:I.0	PointIO_QE:5:I.1	PointIO_QE:5:I.2	PointIO_QE:5:I.3	PointIO_QE:5:I.4	PointIO_QE:5:I.5	PointIO_QE:5:I.6	PointIO_QE:5:I.7

SLOT DIGITAL INPUTS 5 ALLEN BRADLEY TYPE 1734-IB8 + 1734 TB

AVAILABLE INPUT | AVAILABLE INPUT | AVAILABLE INPUT | AVAILABLE INPUT | AVAILABLE INPUT | AVAILABLE INPUT | AVAILABLE INPUT | AVAILABLE INPUT

			Data	11/07/2018	OTNESTLETUL1		MODULE 8 SLOT DIGITAL INPUTS 5		505
			Elab.	Lorenzo					
Modifica	Data	Nome	Verificato						Foglio 529
504			Origine						Foglio 80

500ADO6
500A.3

SLOT DIGITAL OUTPUTS 6

ALLEN BRADLEY 1734-OB8E+ 1734-TB

PointIO_QE:O:6/0 PointIO_QE:O:6/1 PointIO_QE:O:6/2 PointIO_QE:O:6/3 PointIO_QE:O:6/4 PointIO_QE:O:6/5 PointIO_QE:O:6/6 PointIO_QE:O:6/7

6:O.0 6:O.1 6:O.2 6:O.3 6:O.4 6:O.5 6:O.6 6:O.7

CN6
664.0

0 1 2 3 4 5 6 7

52901 52902 52903 52904 52905 52906 52907 52908

410.1 / 52901

411.1 / 52902

-21524 / 215.3

529KA4
529.3

12 14 11

52909

LAMP1
TL70-BGYRALQ

529HA5 -529HL6 VERDE -529HL7 BLU -529HL8 GIALLA

-529KA3
700-HLS1Z24
A1 A2

-529KA4
700-HLT1Z24
A1 A2

505.8 / -L-
505.8 / -4QF4L+

-L- / 530.0
-4QF4L+ / 530.0

14 12 11 13.4

14 12 11 529.2

JAWS DOOR LOCK

CHAIN DOOR LOCK

MARKER CONTROL

NOTCH DISABLE FOR MARKER

BUZZER ON BEACON

GREEN SIGNAL

BLU LAMP ON BEACON

YELLOW SIGNAL

			Data	16/07/2018	OTNESTLETUL1	MODULE 8 SLOT DIGITAL OUTPUTS 6	529
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 530
505			Origine				Foglio 80

500ADO7
500A.4

SLOT DIGITAL OUTPUTS 7

ALLEN BRADLEY 1734-OB8E+ 1734-TB

PointIO_QE:7:O.0	PointIO_QE:7:O.1	PointIO_QE:7:O.2	PointIO_QE:7:O.3	PointIO_QE:7:O.4	PointIO_QE:7:O.5	PointIO_QE:7:O.6	PointIO_QE:7:O.7
O:8/0	O:8/1	O:8/2	O:8/3	O:8/4	O:8/5	O:8/6	O:8/7

CN7
665.0

0	1	2	3	4	5	6	7
53001	53002	53003	53004	53005	53006	53007	53008

LAMP1

-530HL1	-530HL2	-530HL3	-530HL4	-530HL5	-530HL6	-530HL7	-530HL8
ROSSA	VERDE 800F-N3W	ROSSO 800F-N3R	BIANCO 800F-N3W	BIANCO 800F-N3W	BIANCO 800F-N3W	BLU 800F-N3W	ROSSO

529.8 / -L- → -L- / 531.0

529.8 / -4QF4L+ → -4QF4L+ / 531.0

RED SIGNAL	START PUSHBUTTON LAMP	STOP PUSHBUTTON LAMP	LANE JOG PUSHBUTTON LAMP	FILM JOG PUSHBUTTON LAMP	OPEN ROLLERS BUTTON SIGNAL	RESET PUSHBUTTON LAMP	LEFT ASPO OPENING BUTTON SIGNAL

			Data	16/10/2018	OTNESTLETUL1		MODULE 8 SLOT DIGITAL OUTPUTS 7		530
			Elab.	Lorenzo					
Modifica	Data	Nome	Verificato					Foglio	531
529			Origine					Foglio	80

500DO8 — SLOT DIGITAL OUTPUTS 8 — ALLEN BRADLEY 1734-OB8E+ 1734-TB

CN8 666.0

PointIO_QE:O:8/0	O:8/1	O:8/2	O:8/3	O:8/4	O:8/5	O:8/6	O:8/7
8:O.0	8:O.1	8:O.2	8:O.3	8:O.4	8:O.5	8:O.6	8:O.7
0	1	2	3	4	5	6	7
53101	53102	53103	53104	53105	53106	53107	53108
				564KA2 13 / 14 (564.5)			564KA2 33 / 34 (564.5)
				53109			53110

531YV2A 1/2

-531HL1 ROSSO

-531YV2 1/2 — -531YV3 1/2 — -531YV4 1/2 — -531YV5 1/2 — -531YV6 1/2 — -531YV7 1/2 — -531YV8 1/2

530.8 / -L- → -L- / 532.0

530.8 / -4QF4L+ → -4QF4L+ / 532.0

RIGHT ASPO OPENING PUSHBUTTON SIGNAL	ROLLER PAIR OPENING 1 SOL.VALVE	ROLLER PAIR OPENING 2 SOL.VALVE	ROLLER PAIR OPENING 3 SOL.VALVE	FEED ROLLER OPENING SOL.VALVE	EMPTY AND FAULTY PROD.EJECTION SOL.VALVE	STRIP WRAPPING EJECTION SOL.VALVE	REEL CHANGE AIR BLOW SOL.VALVE
	FLAP FOLDER ROLLERS OPENING SOL.VALVE						

			Data	11/07/2018	OTNESTLETUL1		MODULE 8 SLOT DIGITAL OUTPUTS 8		531
			Elab.	Lorenzo					
Modifica	Data	Nome	Verificato					Foglio	532
530			Origine					Foglio	80

500ADO9
500A.4

SLOT DIGITAL OUTPUTS 9 ALLEN BRADLEY 1734-OB8E+ 1734-TB

PointIO_QE:9:O.0 PointIO_QE:9:O.1 PointIO_QE:9:O.2 PointIO_QE:9:O.3 PointIO_QE:9:O.4 PointIO_QE:9:O.5 PointIO_QE:9:O.6 PointIO_QE:9:O.7

CN9

O:8/0 O:8/1 O:8/2 O:8/3 O:8/4 O:8/5 O:8/6 O:8/7

0 1 2 3 4 5 6 7

53201 53202 53203 53204 53205 53206 53207 53208

201.2

564KA2
564.5

43
44

53209

-532YV1 -532KA2 700-HLS1Z24 -532KA3 700-HLS1Z24 -532YV7 -532YV8

1 2 A1 A2

531.8 / -L- -L- / 533.0

531.8 / -4QF4L+ -4QF4L+ / 533.0

14 12 11 610.1

14 12 11 610.3

REEL SPLICING ROLLERS CLOSURE SOL.VALVE

READY TO UPSTRAM

RELAY AVAILABLE

KINETIX DRIVE CONTACTOR ENABLE

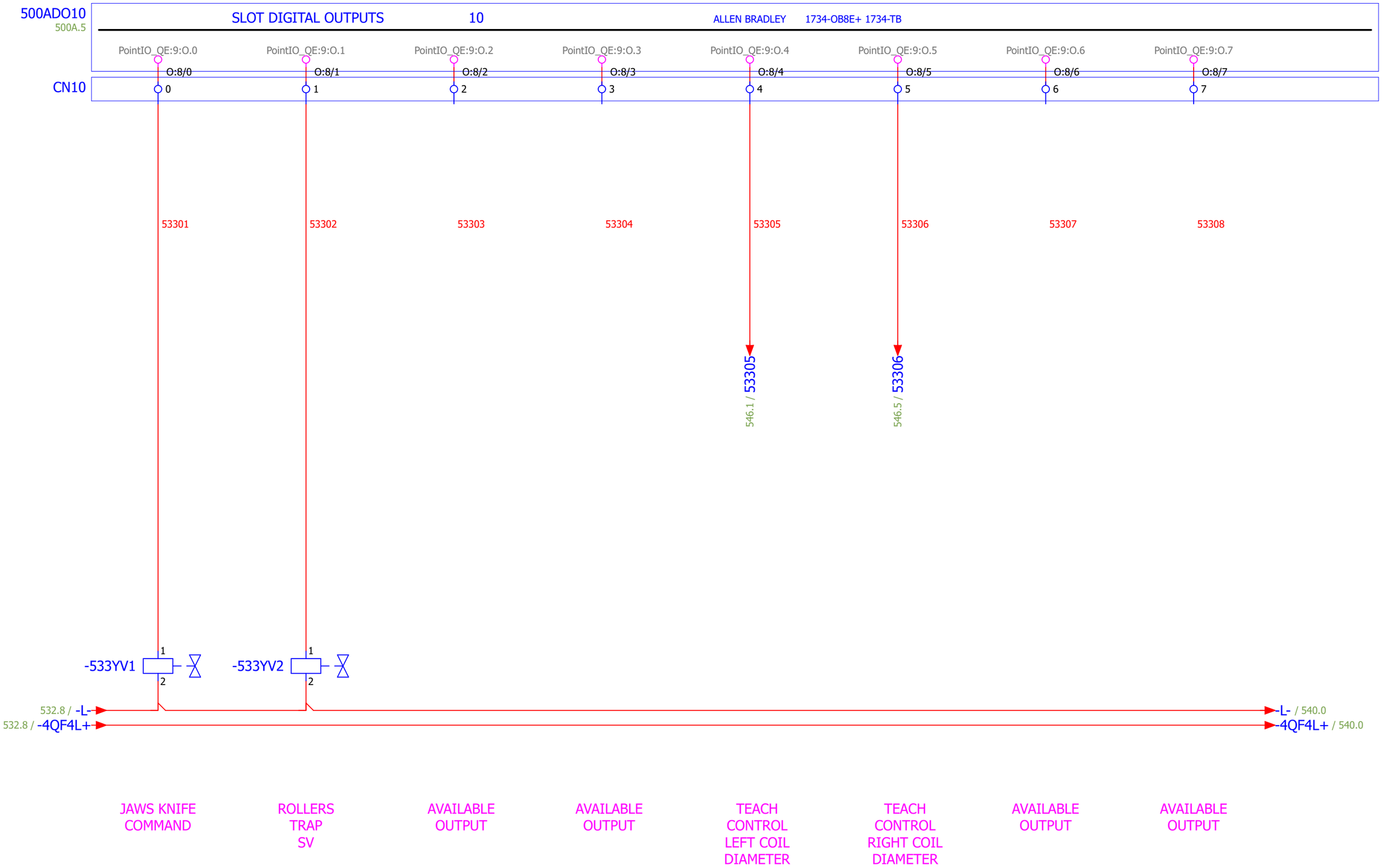
AVAILABLE OUTPUT

AVAILABLE OUTPUT

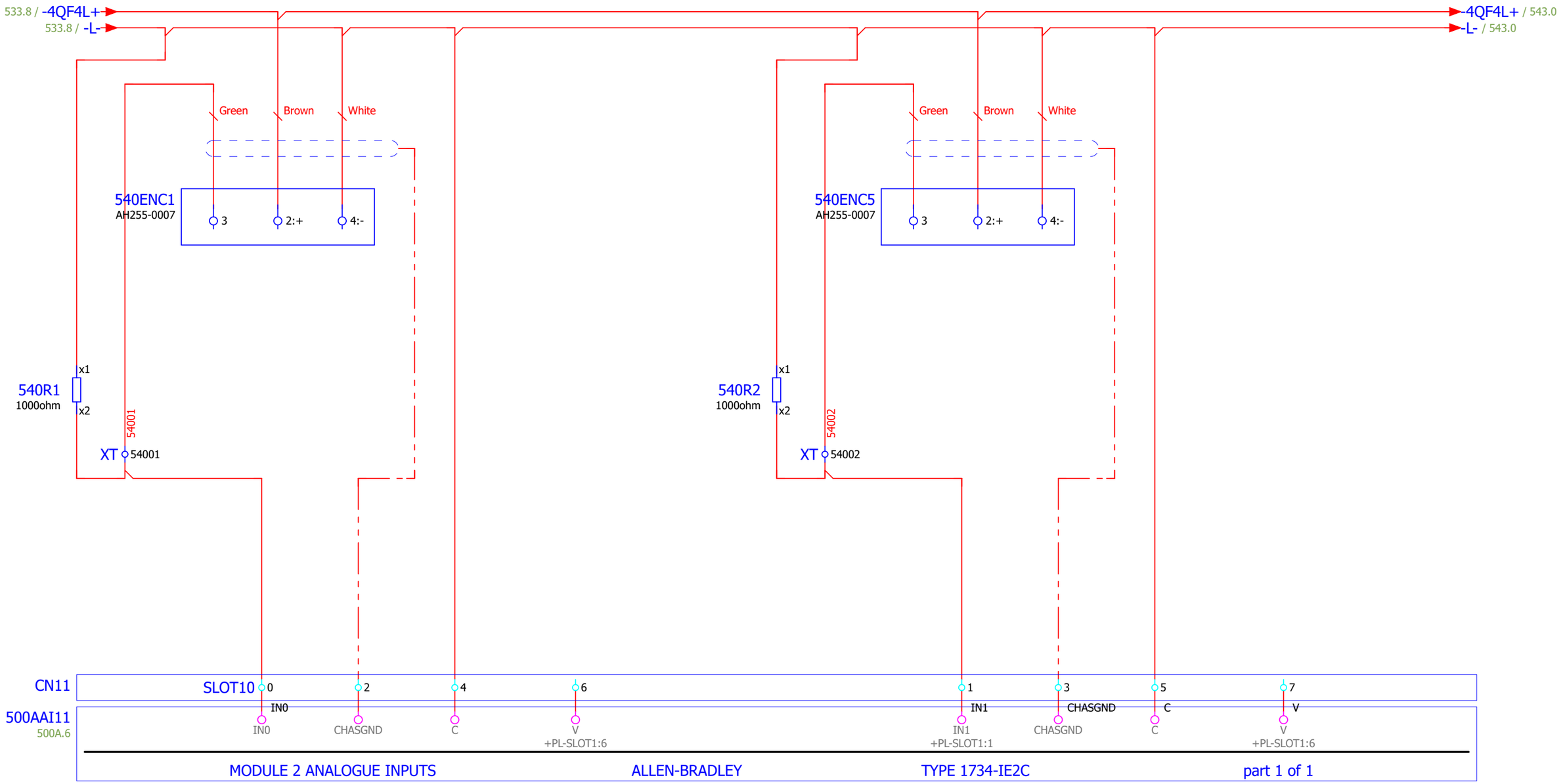
RIGHT ASPI BLOCK SOL.VALVE

LEFT ASPI BLOCK SOL.VALVE

			Data	16/07/2018	OTNESTLETUL1	MODULE 8 SLOT DIGITAL OUTPUTS 9	532
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 533
531			Origine				Foglio 80

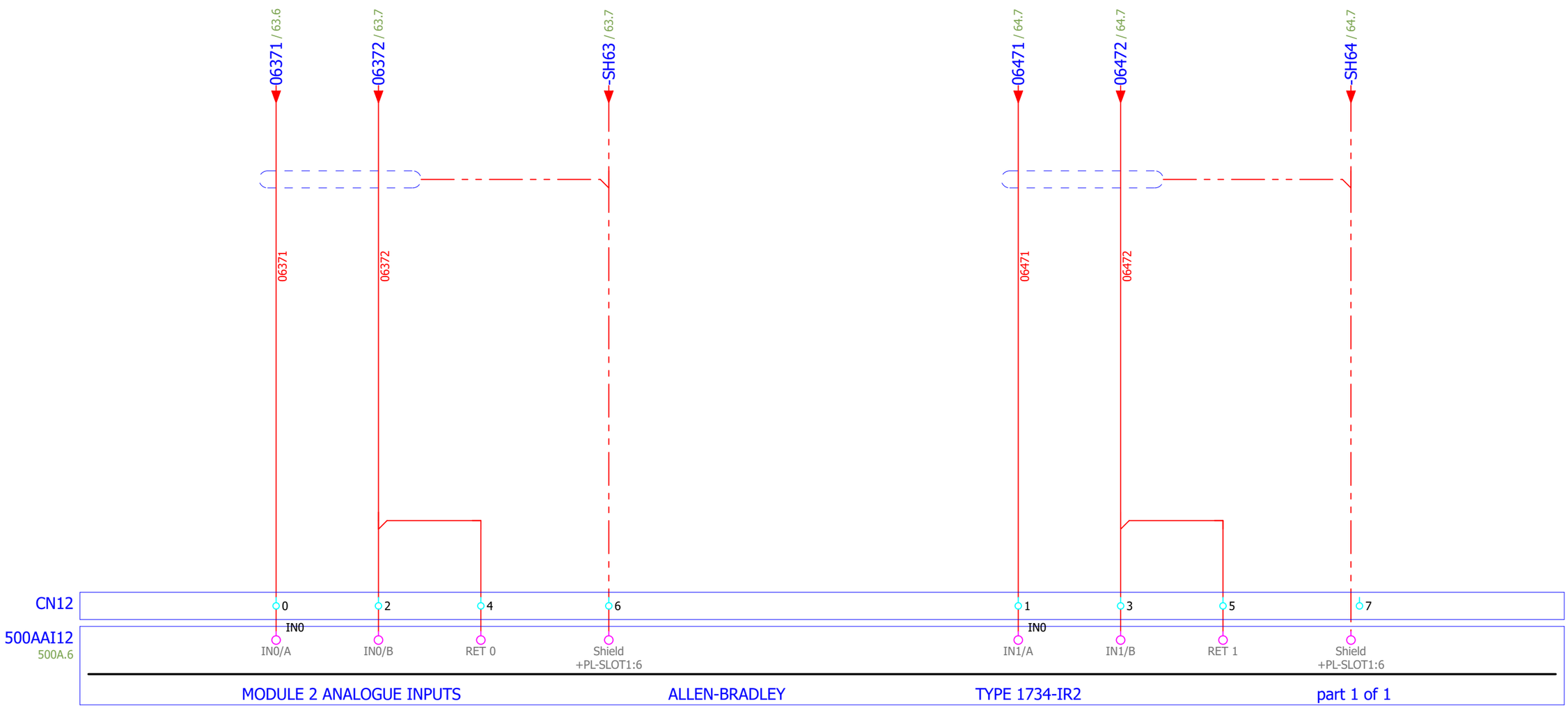


			Data	23/10/2018	OTNESTLETUL1	MODULE 8 SLOT DIGITAL OUTPUTS 10	533
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 540
532			Origine				Foglio 80



BOARD N.11

			Data	16/07/2018	OTNESTLETUL1	MODULE 2 SLOT ANALOGUE INPUTS 11	540
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 541
533			Origine				Foglio 80

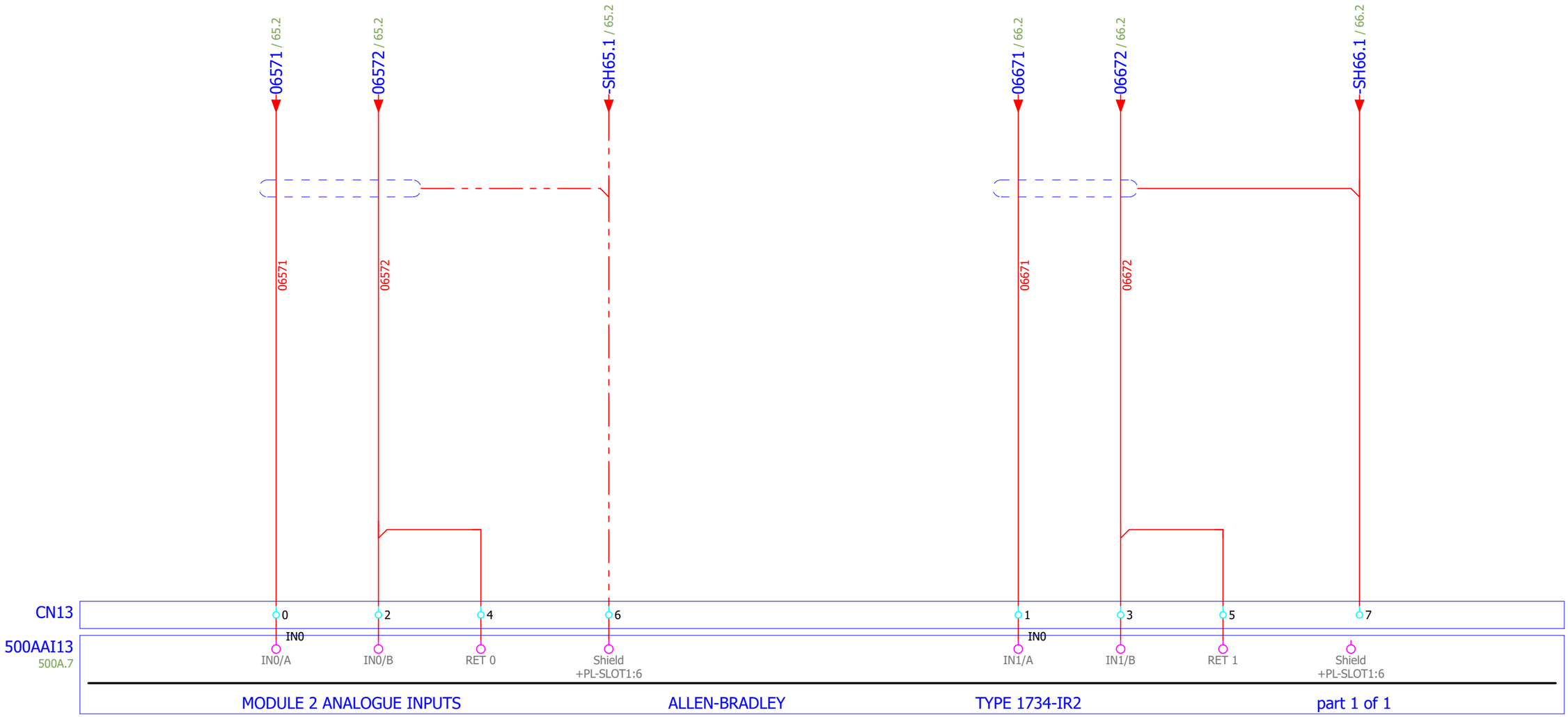


THERMOREGULATION
2a HOT
ROLLERS PAIR

THERMOREGULATION
3a HOT
ROLLERS PAIR

BOARD N.12

			Data	12/07/2018	OTNESTLETUL1	MODULE 2 ANALOGUE INPUTS RTD SLOT 12	541
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 542
540			Origine				Foglio 80

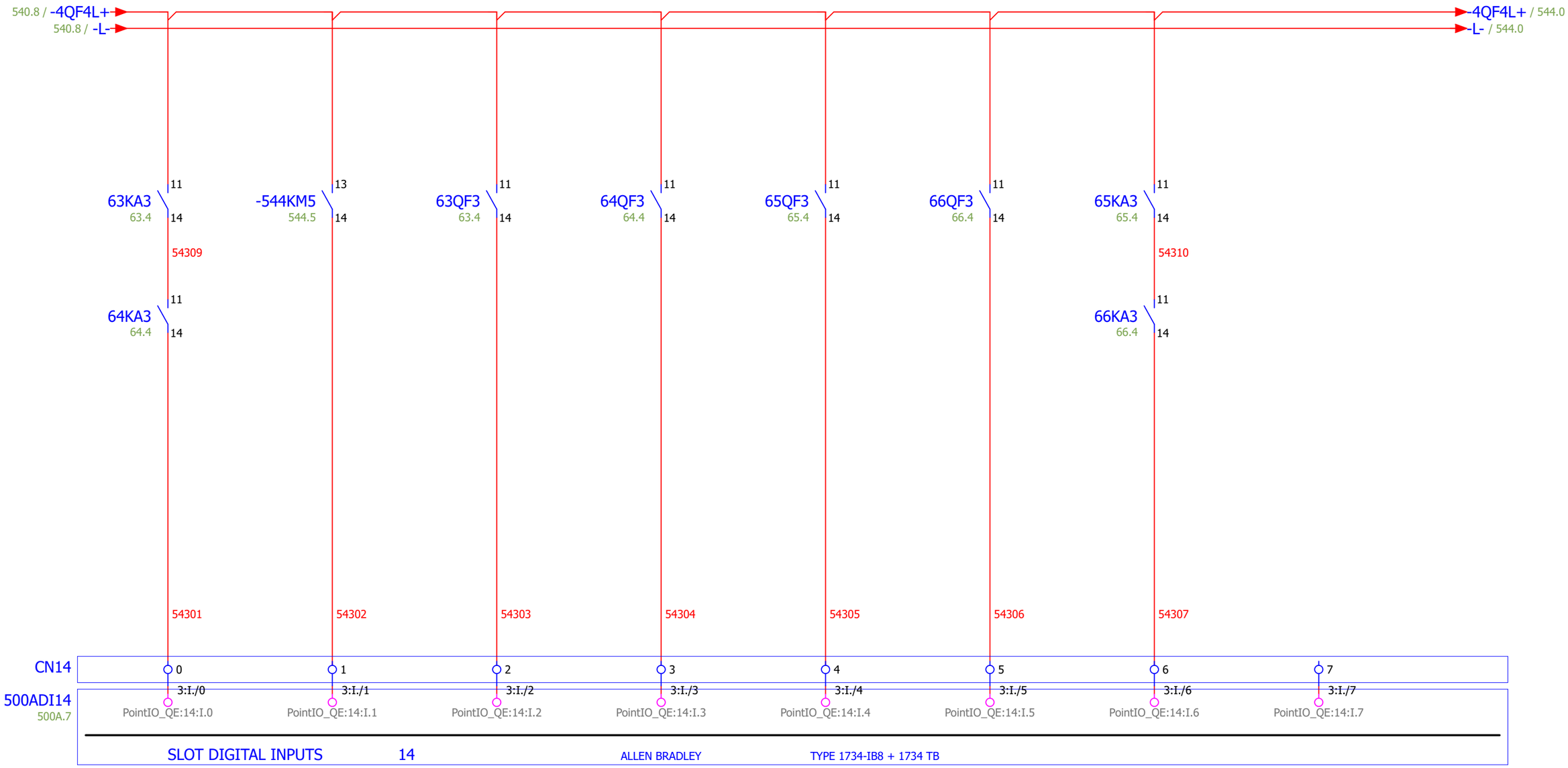


UPPER EARTH
THERMOREGULATION
1

LOWER EARTH
THERMOREGULATION
1

BOARD N.13

			Data	12/07/2018	OTNESTLETUL1	MODULE 2 ANALOGUE INPUTS RTD SLOT 13	542
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 543
541			Origine				Foglio 80



			Data	16/07/2018	OTNESTLETUL1	MODULE 8 SLOT DIGITAL INPUTS 14	543
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 544
542			Origine				Foglio 80

500ADO15
500A.7

SLOT DIGITAL OUTPUTS 15

ALLEN BRADLEY 1734-OB8E+ 1734-TB

CN15

	PointIO_QE:15:O.0	PointIO_QE:15:O.1	PointIO_QE:15:O.2	PointIO_QE:15:O.3	PointIO_QE:15:O.4	PointIO_QE:15:O.5	PointIO_QE:15:O.6	PointIO_QE:15:O.7
	~~O:8/0~~	~~O:8/1~~	~~O:8/2~~	~~O:8/3~~	~~O:8/4~~	~~O:8/5~~	~~O:8/6~~	~~O:8/7~~
	0	1	2	3	4	5	6	7
	54401	54402	54403	54404		54403	54404	
	54401 63.2	54402 64.2	54403 65.0	54404 66.0		54406 65.2	54407 66.2	

544KM5 A1 A2

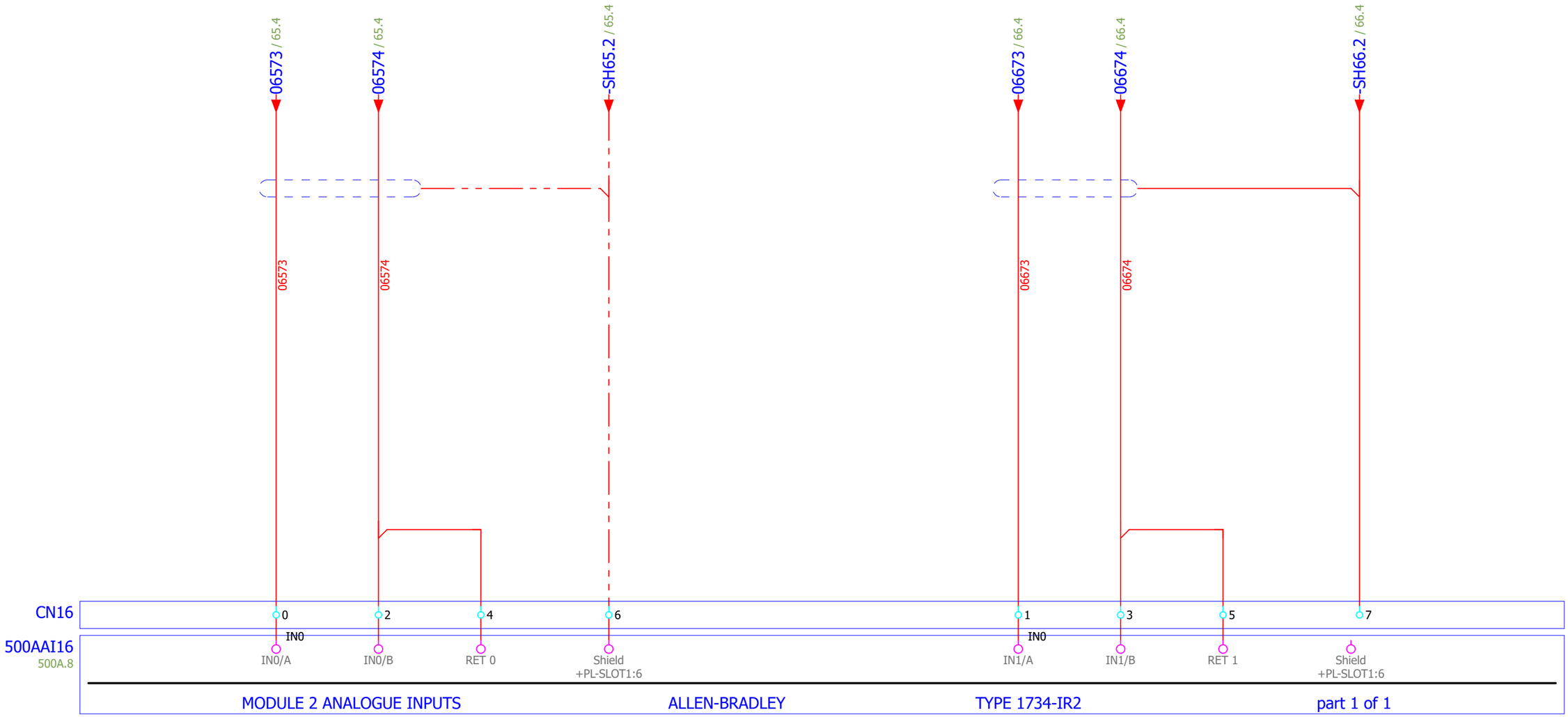
543.8 / -L-
543.8 / -4QF4L+

-L- / 546.0
-4QF4L+ / 546.0

1 2 30.7
3 4 30.7
5 6 30.7
13 14 543.2

ROLLERS TORQUE 2° STATIC COMMAND	ROLLERS TORQUE 3° STATIC COMMAND	1 UPPER JAW STATIC COMMAND	1 LOWER JAW STATIC COMMAND	THERMOREGULATIONS CONTACTOR	2 UPPER JAW STATIC COMMAND	2 LOWER JAW STATIC COMMAND	AVAILABLE OUTPUT

			Data	16/07/2018	OTNESTLETUL1	MODULE 8 SLOT DIGITAL OUTPUTS 15	544
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 545
543			Origine				Foglio 80

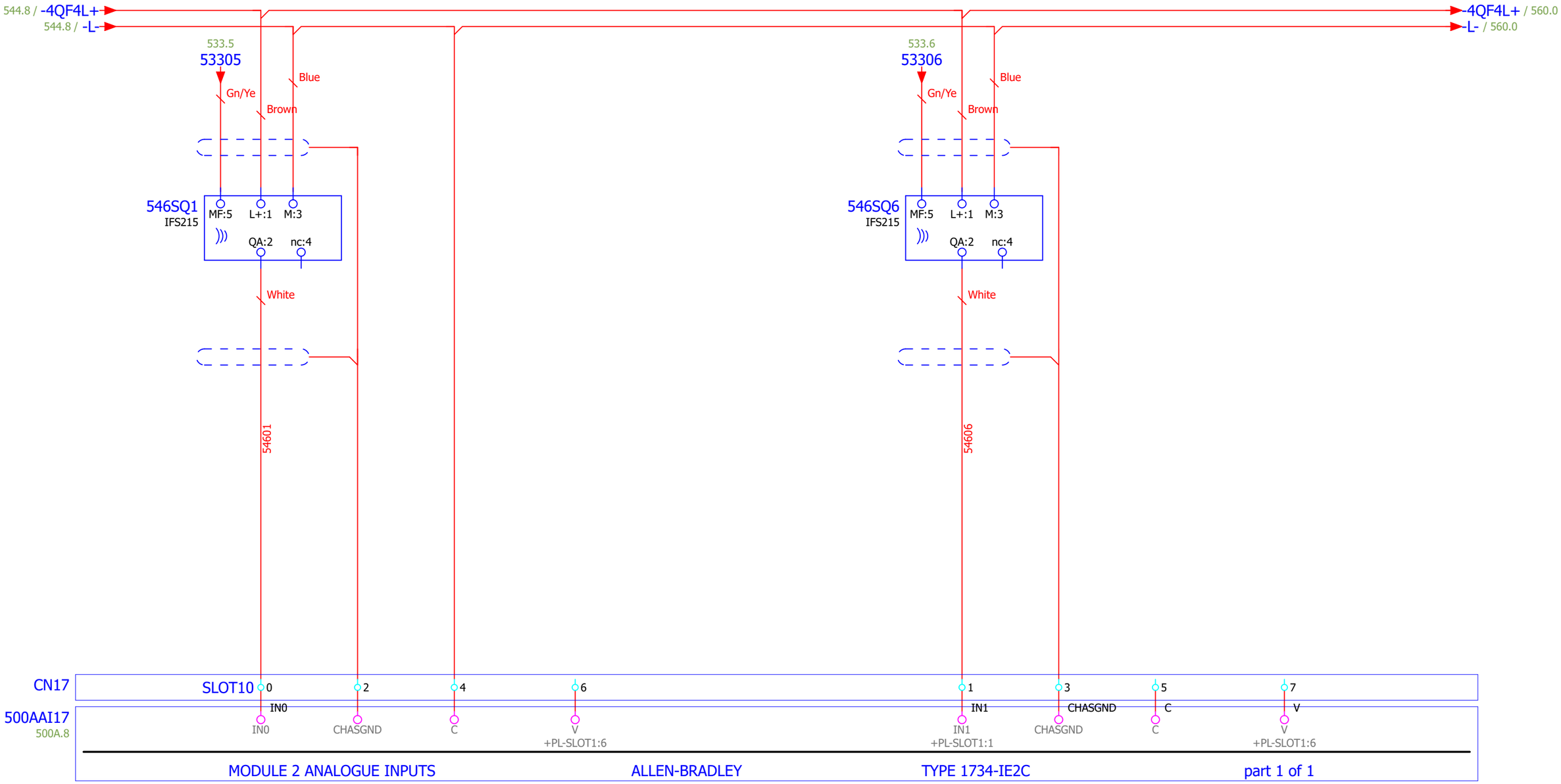


UPPER EARTH
THERMOREGULATION
2

LOWER EARTH
THERMOREGULATION
2

BOARD N.16

			Data	12/07/2018	OTNESTLETUL1	MODULE 2 ANALOGUE INPUTS RTD SLOT 16	545
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 546
544			Origine				Foglio 80



CHECK LEFT
COIL
DIAMETER

CHECK RIGHT
COIL
DIAMETER

BOARD N.11

			Data	23/10/2018	OTNESTLETUL1	MODULE 2 SLOT ANALOGUE INPUTS 11	546
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 549
545			Origine				Foglio 80

If the module SENSAGUARD is powered by 24Vdc :

1) The inputs of SENSAGUARD must be set as "SAFETY TEST PULSE "
2) The output TO (T1 , T2, T3) must be set as "PULSE TEST"

If the output TO (T1 , T2, T3) is also used to supply the module SENSAGUARD :

1) The inputs of SENSAGUARD must be set as "SAFETY "
2) The output TO (T1 , T2, T3) must be set as "POWER SUPPLY"

During first start , after setting the inputs and outputs of the module IB8S ,
you must press " OWNERSHIP "

Se il modulo SENSAGUARD è alimentato da 24Vdc :

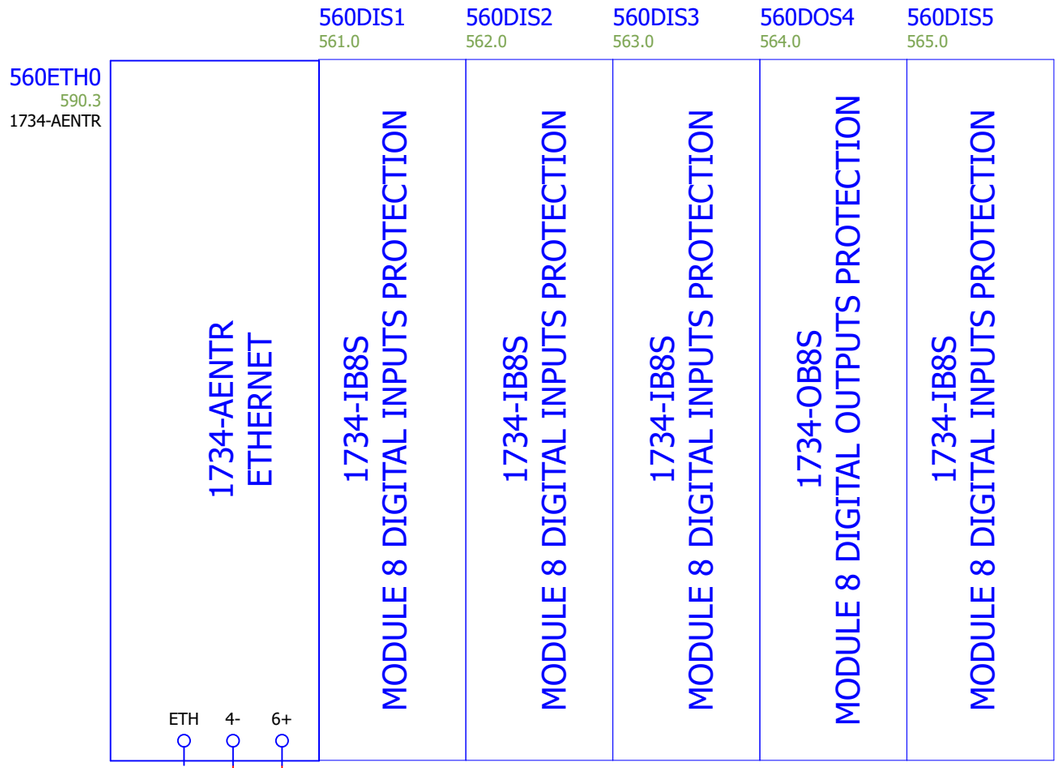
1) Gli ingressi del SENSAGUARD devono essere impostati come "SAFETY PULSE TEST"
2) L'uscita TO (T1,T2,T3) deve essere impostata come "PULSE TEST"

Se l'uscita TO (T1,T2,T3) è usata anche per alimentare il modulo SENSAGUARD :

1) Gli ingressi del SENSAGUARD devono essere impostati come "SAFETY"
2) L'uscita TO (T1,T2,T3) deve essere impostata come "POWER SUPPLY"

Al primo avvio, dopo aver configurato ingressi e uscite del modulo IB8S ,
è necessario premere "OWNERSHIP"

MACHINE PANEL SAFETY I/O POINT PLC CONFIGURATION



ETHERNET PAGE
590
CONFIGURATION

546.8 / L-

546.8 / -4QF4L+

L- / 561.0

-4QF4L+ / 561.0

			Data	16/10/2018	OTNESTLETUL1	SAFETY I/O POINT PLC STRUCTURE	560
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 561
549			Origine				Foglio 80

560.8 / -4QF4L+ → -4QF4L+ / 562.0

560.8 / -L- → -L- / 562.0

561SQ1 440N Z21US2H — A+ 2 B+ 7 A B

561SQ3 440N Z21US2H — A+ 2 B+ 7 A B

561SQ5 440N Z21US2H — A+ 2 B+ 7 A B

561SQ7 440N Z21US2H — A+ 2 B+ 7 A B

	56101	56120	56102	56121	56103	56110	56104	56111	56105	56122	56106	56123	56107	56112	56108	56113
CNS1	0	4	1	5	2	6	3	7	0	4	1	5	2	6	3	7
560DIS1 560.1	PointIO_QES:1:I.0	-	PointIO_QES:1:I.1	-	PointIO_QES:1:I.2	T0	PointIO_QES:1:I.3	T1M	PointIO_QES:1:I.4	-	PointIO_QES:1:I.5	-	PointIO_QES:1:I.6	T2	PointIO_QES:1:I.7	T3M

DIGITAL INPUTS — Rockwell — 1734-IB8S + 1734-TB

INFEED
JAWS
DOOR

CHAIN
1 DOOR

UNWINDER
ROLLER
DOOR

CONVEYOR
1 MICRO

BOARD N.1

			Data	16/07/2018	OTNESTLETUL1	MODULE 8 SLOT 1 SAFETY DIGITAL INPUTS	561
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 562
560			Origine				Foglio 80

561.8 / 4QF4L+
561.8 / L-

4QF4L+ / 563.0
L- / 563.0

562SB1 1 2
562SB5 E 1 2
LUMINOSO
BLU
800FP-LF6
564KA2 21 22
564.5
562SQ8
440N
Z21US2H
A+ 2 B+ 7 A B

56206 / 400.2
56207 / 400.5

	56201	56220	56202	56221	56203	56210	56204	56211	56205	56222	56206	56223	56207	56212	56208	56213
CNS2	0	4	1	5	2	6	3	7	0	4	1	5	2	6	3	7
560DIS2 560.2	PointIO_QES:2:I.0	-	PointIO_QES:2:I.1	-	PointIO_QES:2:I.2	T0	PointIO_QES:2:I.3	T1M	PointIO_QES:2:I.4	-	PointIO_QES:2:I.5	-	PointIO_QES:2:I.6	T2	PointIO_QES:2:I.7	T3M

DIGITAL INPUTS — Rockwell — 1734-IB8S + 1734-TB

CONSOLE EMERGENCY

CH1 GENERAL AIR VALVE FEEDBACK

CH2 GENERAL AIR VALVE FEEDBACK

ALARMS RESET BUTTON

FILM SOLENOID VALVES MANAGEMENT RELAY

OUTFEED JAWS DOOR

BOARD N.2

			Data	16/10/2018	OTNESTLETUL1	MODULE 8 SLOT 2 SAFETY DIGITAL INPUT	562
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 563
561			Origine				Foglio 80

562.8 / 4QF4L+ → 4QF4L+ / 565.0

562.8 / L- → L- / 564.0

43801 / 438.2

43802 / 438.3

438.1
56310

438.3
56311

563SQ5
440N
Z21US2H
A+ 2 B+ 7
A B

564KA8
564.8
21
22

56301 56320 56321 56310 56304 56311 56305 56322 56306 56323 56307 56312 56308 56313

CNS3
0 4 1 5 2 6 3 7 0 4 1 5 2 6 3 7

560DIS3
560.2

PointIO_QES:3:I.0	-	PointIO_QES:3:I.1	-	PointIO_QES:3:I.2	T0	PointIO_QES:3:I.3	T1M	PointIO_QES:3:I.4	-	PointIO_QES:3:I.5	-	PointIO_QES:3:I.6	T2	PointIO_QES:3:I.7	T3M

DIGITAL INPUTS — Rockwell — 1734-IB8S + 1734-TB

CLIENT EMERGENCY

CLIENT EMERGENCY

CLIENT EMERGENCY

CLIENT EMERGENCY

CONVEYOR 2 MICRO

CLIENT EMERGENCY MANAGEMENT RELAY

BOARD N.3

			Data	16/07/2018	OTNESTLETUL1	MODULE 8 SLOT 3 SAFETY DIGITAL INPUT	563
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 564
562			Origine				Foglio 80

560DOS4
560.3

DIGITAL OUTPUTS

Rockwell 1734-OB8S + 1734-TB

PointIO_QES:4:O.0 PointIO_QES:4:O.1 PointIO_QES:4:O.2 PointIO_QES:4:O.3 PointIO_QES:4:O.4 PointIO_QES:4:O.5 PointIO_QES:4:O.6 PointIO_QES:4:O.7

CNS4

0 4 1 5 2 6 3 7 0 4 1 5 2 6 3 7

56401 56402 56403 56404 56405 56406 56407 56408

56401
400.1

56402
400.4

56403
101.4

56404
101.4

564KA2
24V
700S-CF440EJC
A1
A2

564KA8
24V
700S-CF440EJC
A1
A2

563.8 / L-

L- / 565.0

CH1 MAIN SOLENOID VALVE

CH2 MAIN SOLENOID VALVE

SAFE OFF EMERGENCY CH1

SAFE OFF EMERGENCY CH2

BOARD N.4

13 14 531.5
21 22 562.6
33 34 531.7
43 44 532.1
53 54
61 62
71 72
81 82

FILM SOLENOID VALVES MANAGEMENT RELAY

AVAILABLE OUTPUT

AVAILABLE OUTPUT

13 14 440.1
21 22 563.8
33 34 440.3
43 44
53 54
61 62
71 72
81 82

CLIENT EMERGENCY MANAGEMENT RELAY

			Data	16/10/2018	OTNESTLETUL1	MODULE 8 SLOT 4 SAFETY DIGITAL OUTPUT	564
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 565
563			Origine				Foglio 80

563.8 / -4QF4L+ → -4QF4L+ / 610.0

564.8 / -L- → -L- / 590.0

565SQ1
440N
Z21US2H
A+ 2 B+ 7 A B

565SQ3
440N
Z21US2H
A+ 2 B+ 7 A B

565SB5 1 2 1 2

56501 56520 56502 56521 56503 56510 56504 56511 56505 56522 56506 56523 56507 56512 56508 56513

CNS5 0 4 1 5 2 6 3 7 0 4 1 5 2 6 3 7

560DIS5
560.3
PointIO_QES:1:I.0 - PointIO_QES:1:I.1 - PointIO_QES:1:I.2 T0 PointIO_QES:1:I.3 T1M PointIO_QES:1:I.4 - PointIO_QES:1:I.5 - PointIO_QES:1:I.6 T2 PointIO_QES:1:I.7 T3M

DIGITAL INPUTS Rockwell 1734-IB8S + 1734-TB

APLC 1
DOOR

APLC 2
DOOR

EMERGENCY
APLC

BOARD N.5

			Data	16/07/2018	OTNESTLETUL1	MODULE 8 SLOT 5 SAFETY DIGITAL INPUTS	565
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 590
564			Origine				Foglio 80

4.6 / 4QF6L+
565.8 / L-

4QF6L+ / 591.0
L- / 591.0

590SW7
LAN - EWON
EC61330-00
EFA

1 GND 2 DC + 3 DC -

IP ADDRESS
192.168.1.XXX

1 2 3 4

4QF6L+
L-

192.168.1.40

590SW1
1783-BMS10CGN
1783-BMS10CGN

Pwr A DC+ Pwr A DC- Pwr B DC+ Pwr B DC- IN1 REF IN2 Ground Screw 1 Ground Screw 2 Console 1 RJ45 Console 2 mini USB

Allen-Bradley Stratix 5700™

Stratix 5700 Switch, Managed, 10-port Switch

590SW1.9

NO COM NC

RJ45 port 1 1 Ethernet Port
RJ45 port 2 2 Ethernet Port
RJ45 port 3 3 Ethernet Port
RJ45 port 4 4 Ethernet Port
RJ45 port 5 5 Ethernet Port
RJ45 port 6 6 Ethernet Port
RJ45 port 7 7 Ethernet Port
RJ45 port 8 8 Ethernet Port
Port 9 9 Gigabit Combo Port
Port 10 10 Gigabit Combo Port

Teal PVC Jacket 2 m ETH1
Teal PVC Jacket 2 m ETH2
Teal PVC Jacket 3 m ETH3
3mt
Teal PVC Jacket 3 m ETH6

591.8 590SW5.4
101.5 590SW1.7

CONTROLLER

500ETH1
500.6
192.168.1.41
350ERM

500ETH0
500.2
192.168.1.42
30ERMS

DISPLAY
192.168.1.43

NASTRO SMALTIMENTO

POINT I/O

500AETH0
500A.1
ETH3A 1mt
560ETH0
560.0
ETH3B 1mt
650ETH0
650.0

DRIVES

DRIVE MACH120-APLC

192.168.1.50	192.168.1.51	192.168.1.52	192.168.1.54	192.168.1.55	192.168.1.56	192.168.1.57	192.168.1.58	192.168.1.59	192.168.1.60
KINETIX 5700 201PS1	KINETIX 5700 213AX1	KINETIX 5700 215AX1	KINETIX 5700 219AX1	KINETIX 5700 221AX1	KINETIX 5700 223AX1	KINETIX 5700 225AX1	KINETIX 5700 227AX1	KINETIX 5700 229AX1	KINETIX 5700 231AX1

ETH213 1585JM8CB JM0M3
ETH215 1585JM8CB JM0M3
ETH219 1585JM8CB JM0M3
ETH221 1585JM8CB JM0M3
ETH223 1585JM8CB JM0M3
ETH225 1585JM8CB JM0M3
ETH227 1585JM8CB JM0M3
ETH229 1585JM8CB JM0M3
ETH231 1585JM8CB JM0M3

			Data	16/10/2018	OTNESTLETUL1	SWITCH ETHERNET
			Elab.	Lorenzo		
Modifica	Data	Nome	Verificato			
565			Origine			

590

Foglio 591
Foglio 80

QC
CONSOLLE

591PW1
2711P-T12W22D9P
2711P-T12W22D9P
ROCKWELL

Allen-Bradley

PanelView Plus 7 Performance 12,1" (widescreen)

POWER SUPPLY
CONNECTOR

+24 024

ETHERNET
CONNECTOR

ETH1 ETH2

GNYE
1,5

192.168.1.43

OPERATING
PANEL

XT 4QF4L+ L-

590SW5.4 / 590.4

590.8 / 4QF6L+ → 4QF6L+ /
590.8 / L- → L- / 610.0

			Data	16/10/2018	OTNESTLETUL1		OPERATING PANEL	591
			Elab.	Lorenzo				
Modifica	Data	Nome	Verificato					Foglio 610
590			Origine					Foglio 80

565.8 / 4QF4L+

591.8 / L-

4QF4L+ / 614.0

L- / 614.0

-532KA2
532.2
11
14 12

-532KA3
532.3
11
14 12

61002 61003 61004 61005

XE 4QF4L+ 61002 61003 61004 61005

CT PACK SIDE

FPE SIDE

X x X x X

READY TO UPSTRAM

RELAY AVAILABLE

			Data	13/07/2018	OTNESTLETUL1		CLIENT INTERFACE	610
			Elab.	Lorenzo				
Modifica	Data	Nome	Verificato					Foglio 614
591			Origine					Foglio 80

610.8 / 4QF4L+ → 4QF4L+ / 650.0

610.8 / L- → L- / 650.0

504.5
61401

504.6
61402

61401

XE 4QF4L+ | 61401 | -XE 4QF4L+ | 61402

CT PACK SIDE

CLIENT SIDE

X | X | -X | -X

READY FROM DOWNSTREAM BELT

INTERFACE SPARE

			Data	11/07/2018	OTNESTLETUL1	CLIENT INTERFACE	614
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 650
610			Origine				Foglio 80

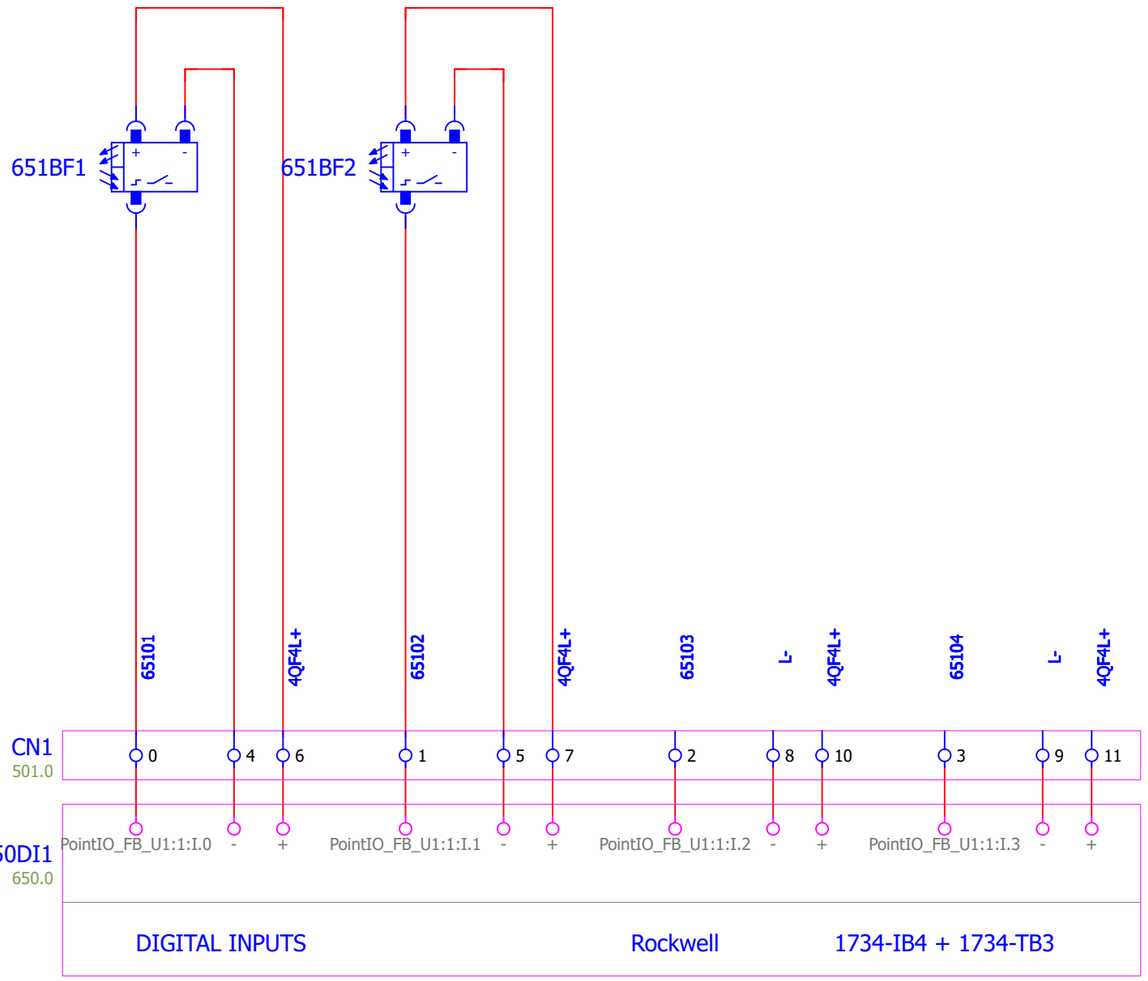
Guard I/O POINT CONFIGURATION
BAR-TURNER U1 BOX

590.3	651.0	653.0	661.0	662.0	663.0		665.0	666.0
650ETH0	650DI1	650DO2	650DIS3	650DIS4	650DIS5	650DIS6	650DI7	650DO8
1734-AENTR	1734-IB4	1734-OB4E	1734-IB8S	1734-IB8S	1734-IB8S	1734-OB8S	1734-IB4	1734-OB4E
	1734-TB	1734-TB	1734-TB	1734-TB	1734-TB	1734-TB	1734-TB	1734-TB
ALLEN BRADLEY	ALLEN BRADLEY	ALLEN BRADLEY	ALLEN BRADLEY	ALLEN BRADLEY	ALLEN BRADLEY	ALLEN BRADLEY	ALLEN BRADLEY	ALLEN BRADLEY
800mA	4 DIGITAL INPUTS MODULE 1734-IB4	4 DIGITAL OUTPUTS MODULE 1734-OB4E	MODULE 8 SAFETY DIGITAL INPUTS 1734-IB8S	MODULE 8 SAFETY DIGITAL INPUTS 1734-IB8S	MODULE 8 SAFETY DIGITAL INPUTS 1734-IB8S	MODULE 8 SAFETY DIGITAL INPUTS 1734-OB8S	4 DIGITAL INPUTS MODULE 1734-IB4	4 DIGITAL OUTPUTS MODULE 1734-OB4E
Ethernet Adapter 2 Port 1734-AENTR								
6 4 2								
24V 0V PE	PointIO 75mA	PointIO 75mA	PointIO 110mA	PointIO 110mA	PointIO 110mA	PointIO 110mA	PointIO 75mA	PointIO 75mA
	760mA							

BU 1,5
BU 1,5
GNYE 1,5

614.8 / -4QF4L+ → -4QF4L+ /
614.8 / L- → L- / 664.0

			Data	16/10/2018	OTNESTLETUL1	I/O POINT PLC CONFIGURATION	650
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 651
614			Origine				Foglio 80



BOARD N.1

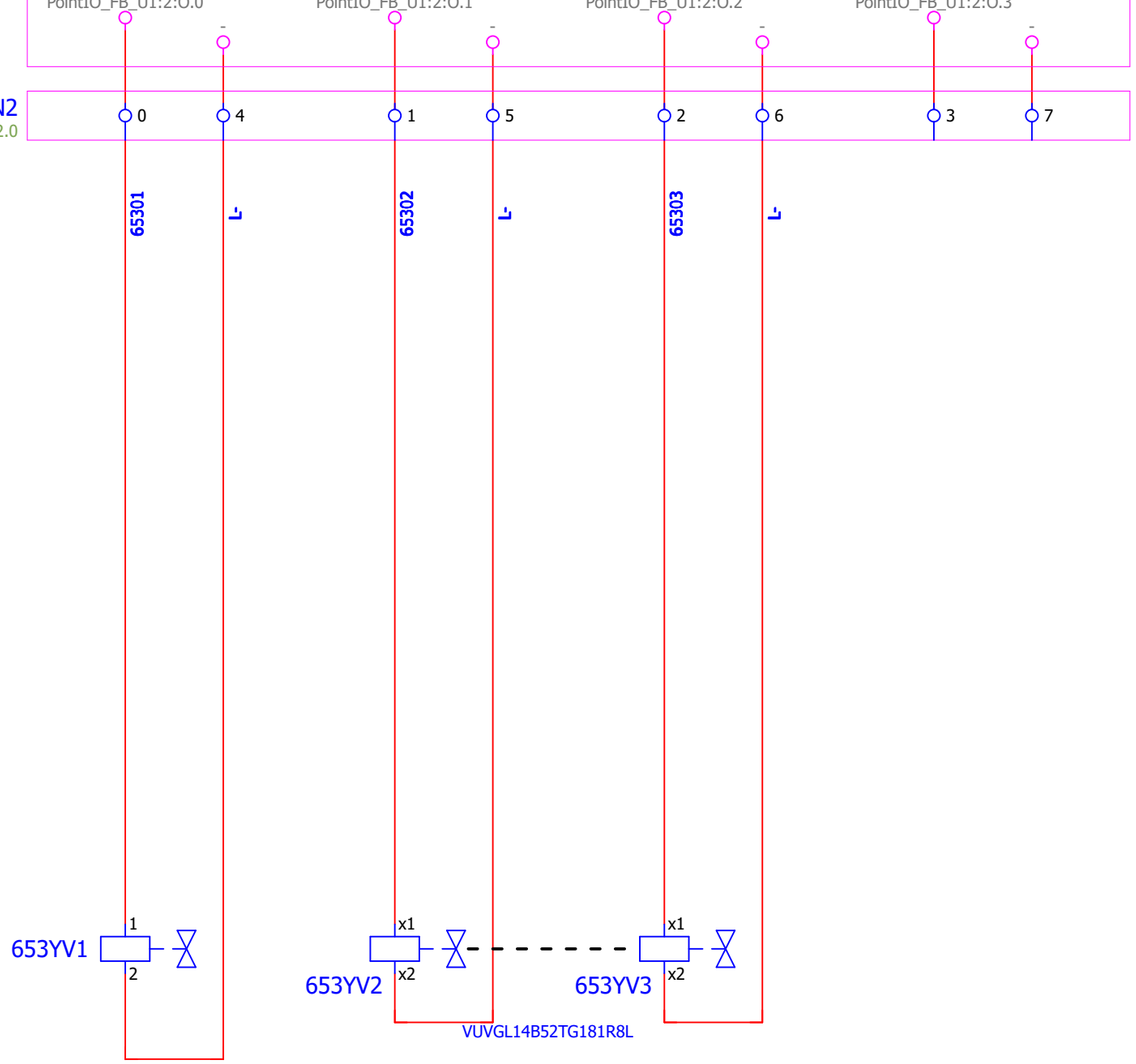
			Data	16/07/2018	OTNESTLETUL1	MODULE 4 DIGITAL INPUTS SLOT 1 BOX U1	651
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 653
650			Origine				Foglio 80

650DO2
650.1

DIGITAL OUTPUTS — Rockwell — 1734-OB4E + 1734-TB

PointIO_FB_U1:2:O.0 — PointIO_FB_U1:2:O.1 — PointIO_FB_U1:2:O.2 — PointIO_FB_U1:2:O.3

CN2
502.0



PRODUCT REJECT VALVE

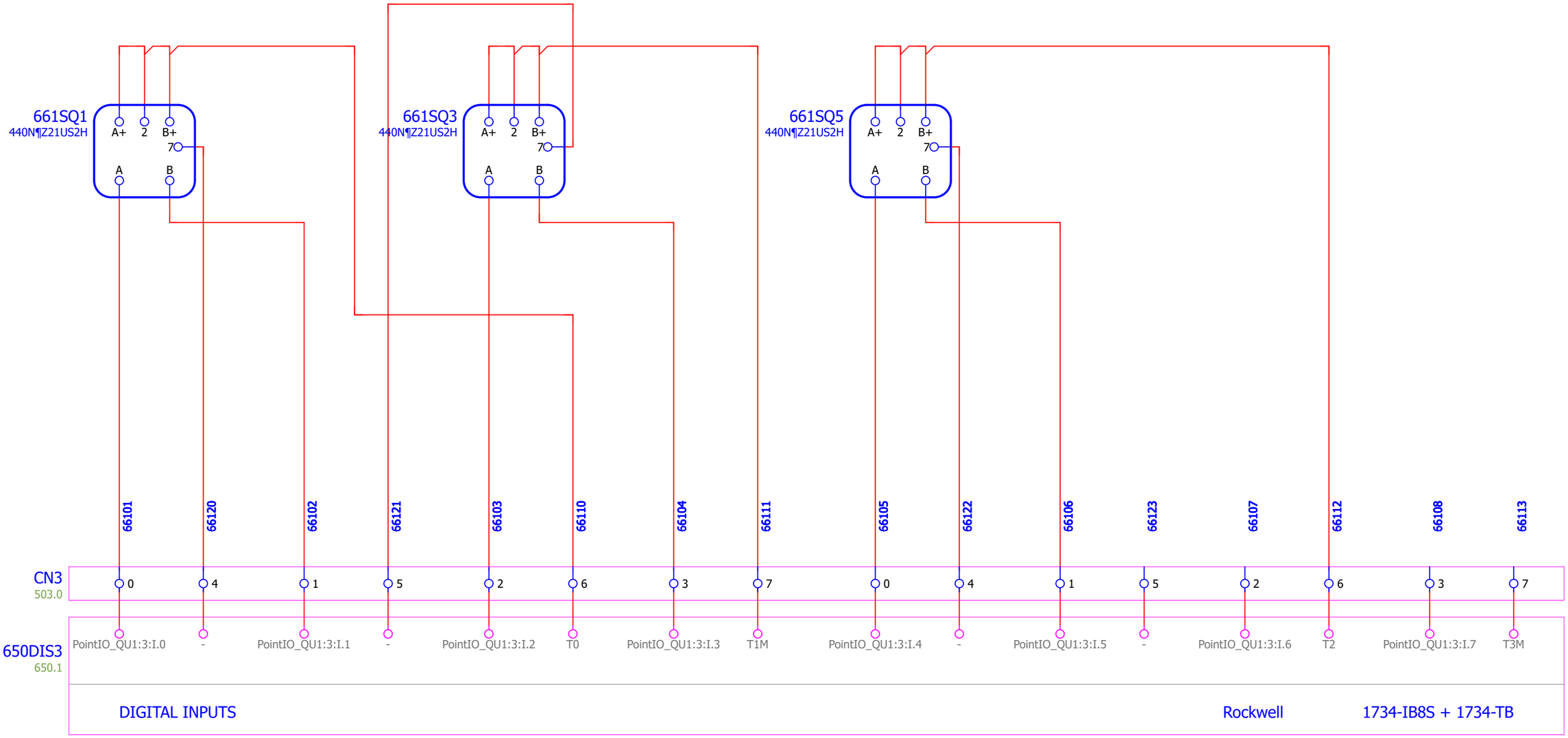
SAFE OFF EMERGENCY CH1

SAFE OFF EMERGENCY CH1

AVAILABLE OUTPUT

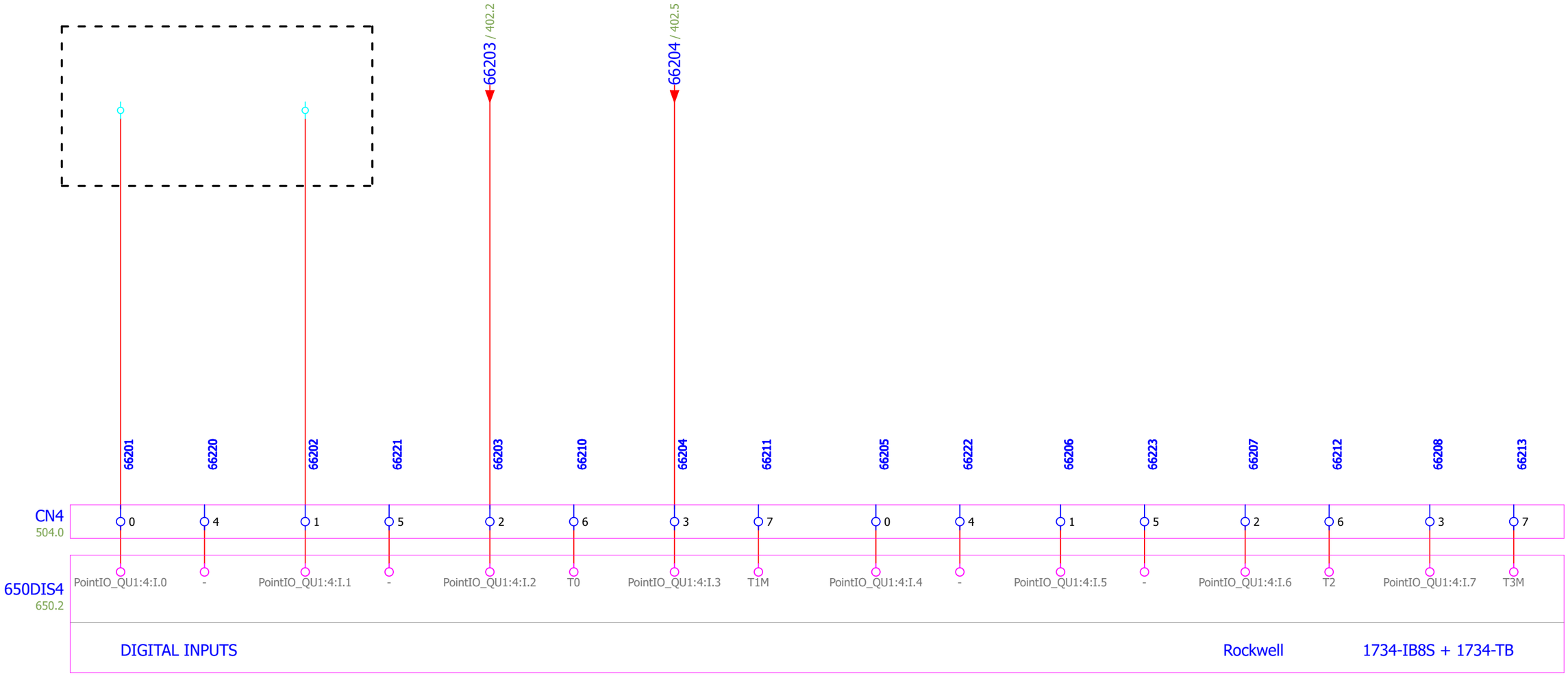
BOARD N.2

			Data	16/10/2018	OTNESTLETUL1	MODULE 4 DIGITAL OUTPUTS SLOT 2 BOX U1	653
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 661
651			Origine				Foglio 80



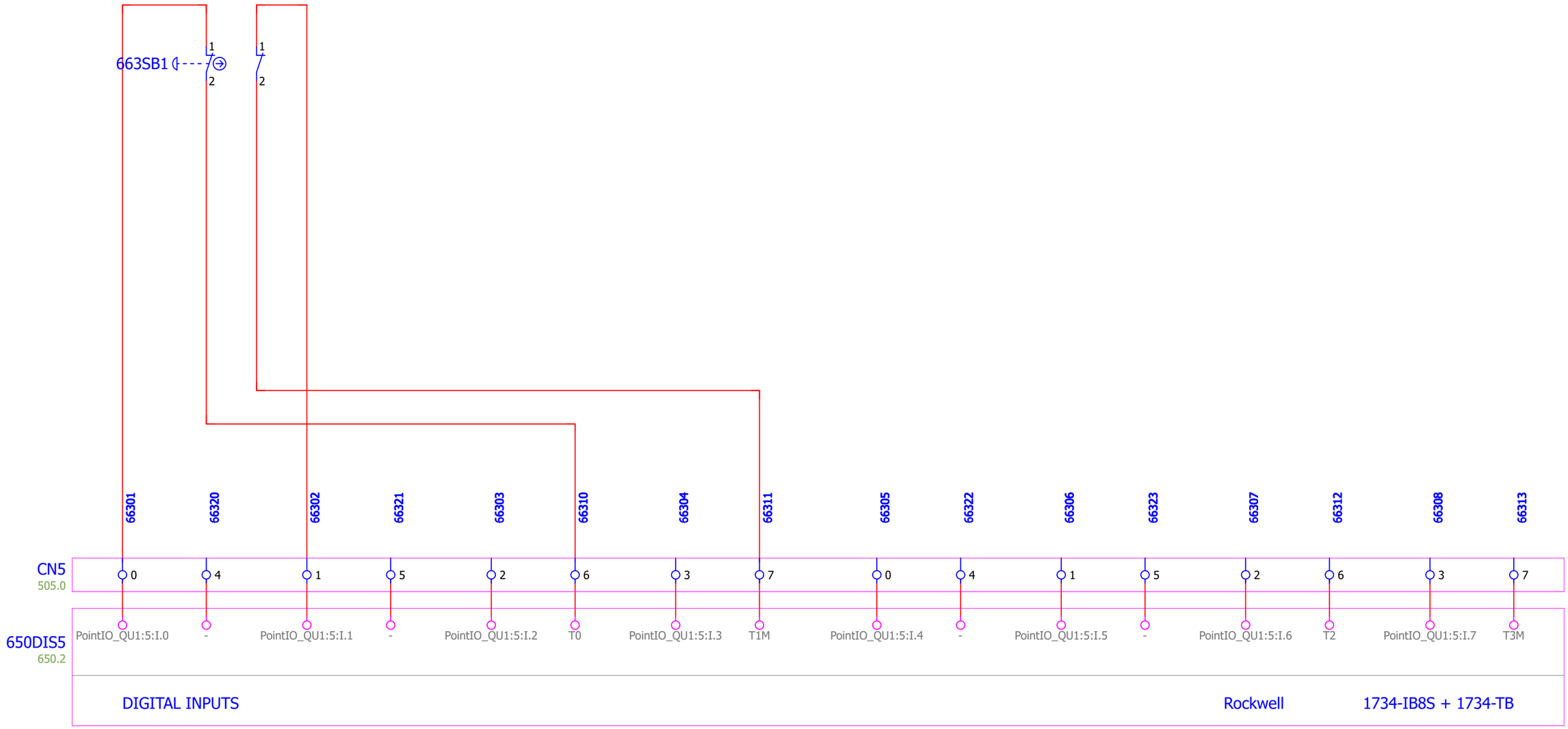
BOARD N.3

			Data	16/10/2018	OTNESTLETUL1	MODULE 8 SLOT 3 SAFETY DIGITAL INPUTS	661
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 662
653			Origine				Foglio 80



BOARD N.3

			Data	16/10/2018	OTNESTLETUL1	MODULE 8 SLOT 3 SAFETY DIGITAL INPUTS	662
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 663
661			Origine				Foglio 80



BOARD N.3

			Data	16/10/2018	OTNESTLETUL1	MODULE 8 SLOT 3 SAFETY DIGITAL INPUTS	663
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 664
662			Origine				Foglio 80

560DOS6

DIGITAL OUTPUTS

Rockwell 1734-OB8S + 1734-TB

	PointIO_QES:6:O.0	-	PointIO_QES:6:O.1	-	PointIO_QES:6:O.2	-	PointIO_QES:6:O.3	-	PointIO_QES:6:O.4	-	PointIO_QES:6:O.5	-	PointIO_QES:6:O.6	-	PointIO_QES:6:O.7	-
CN6 529.0	0	4	1	5	2	6	3	7	0	4	1	5	2	6	3	7
	66401		66402		66403		66404		66405		66406		66407		66408	

66401 402.1

66402 402.4

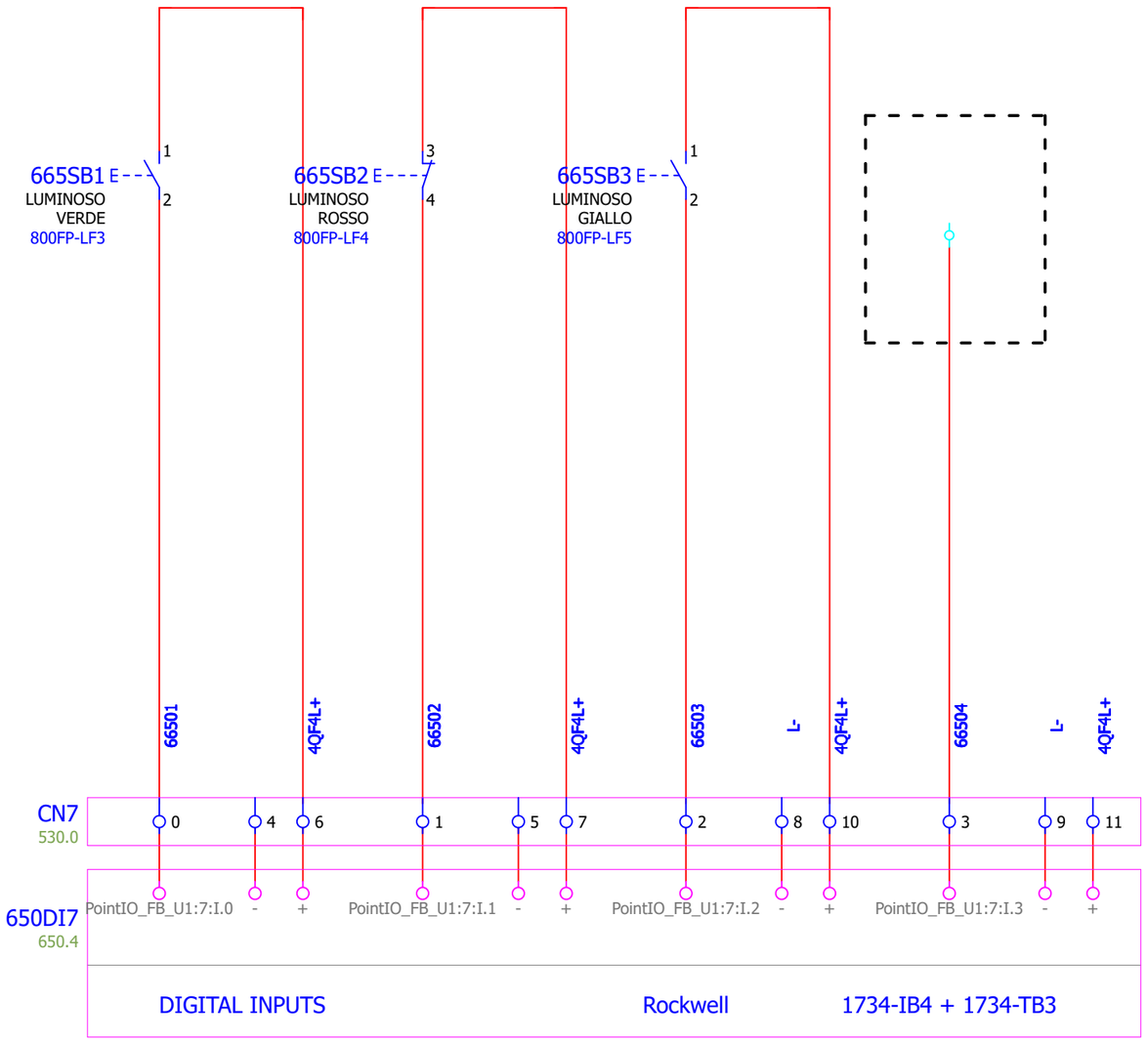
650.8 / L-

L- / 5.1

CH1 GENERAL AIR VALVE	CH2 GENERAL AIR VALVE	AVAILABLE OUTPUT	AVAILABLE OUTPUT	AVAILABLE OUTPUT	AVAILABLE OUTPUT	AVAILABLE OUTPUT	AVAILABLE OUTPUT

BOARD N.4

			Data	16/10/2018	OTNESTLETUL1	MODULE 8 SLOT 4 SAFETY DIGITAL OUTPUT	664
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 665
663			Origine				Foglio 80



BOARD N.1

			Data	16/10/2018	OTNESTLETUL1			665
			Elab.	Lorenzo				
Modifica	Data	Nome	Verificato			MODULE 4 DIGITAL INPUTS SLOT 1 BOX U1		Foglio 666
664			Origine					Foglio 80

650DO8
650.4

DIGITAL OUTPUTS — Rockwell — 1734-OB4E + 1734-TB

PointIO_FB_U1:8:O.0 — PointIO_FB_U1:8:O.1 — PointIO_FB_U1:8:O.2 — PointIO_FB_U1:8:O.3

CN8
531.0

0 4 1 5 2 6 3 7

65301 L- 65302 L- 65303 L-

666HL1 VERDE 800F-N3W

666HL2 ROSSO 800F-N3R

666HL3 GIALLO 800F-N3W

START

STOP PUSHBUTTON

JOG PUSHBUTTON + MANUAL COMMANDS

AVAILABLE OUTPUT

BOARD N.2

			Data	16/10/2018	OTNESTLETUL1	MODULE 4 DIGITAL OUTPUTS SLOT 2 BOX U1	666
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 700
665			Origine				Foglio 80

XT = CABINET GENERAL TERMINAL BOARD

XL = TERMINAL BOARD 220V CABINET

XE = EXTERNAL SIGNALS TERMINAL BOARD

XK = KINETIX TERMINAL BOARD MACH80

			Data	11/07/2018	OTNESTLETUL1		TERMINAL BOARDS	700
			Elab.	Lorenzo				
Modifica	Data	Nome	Verificato					Foglio 701
666			Origine					Foglio 80

Schema morsetti

F13_001

Testo funzionale									Nome cavo	Striscia di prese XE EXTERNAL SIGNALS TERMINAL BOARD					Nome cavo					Pagina/Colonna
									Tipo cavo	Designazione destinazione	Attacco	Morsetto	Ponticello	Designazione destinazione	Attacco	Tipo cavo				
												4QF4L+		411KA1	11						438.1
										X		4QF4L+		500AETH0	0V						440.1
										X		4QF4L+		562SB5	1						610.1
										X		4QF4L+									614.1
READY FROM DOWNSTREAM BELT										X		4QF4L+		650ETH0	24V						614.2
EMERGENCY FROM CLIENT											x	43801		CNS3	0						438.2
=											x	43802		CNS3	1						438.3
EMERGENCY TO CLIENT										x		44002		564KA8	14						440.1
=										X		44003		564KA8	13						440.2
=										x		44004		564KA8	34						440.3
=										X		44005		564KA8	33						440.3
EMERGENCY FROM CLIENT											x	56310		CNS3	6						438.1
=											x	56311		CNS3	7						438.3
READY TO UPSTRAM										x		61002		532KA2	14						610.1
=										X		61003		532KA2	11						610.2
RELAY AVAILABLE										x		61004		532KA3	14						610.3
=										X		61005		532KA3	11						610.4
READY FROM DOWNSTREAM BELT										X		61401		CN4							614.1
INTERFACE SPARE										X		61402		CN4							614.3

			Data	16/07/2018	OTNESTLETUL1	Schema morsetti XE	701
			Elab.	Lorenzo			
Modifica	Data	Nome	Verificato				Foglio 704
700			Origine				Foglio 80

Schema morsetti

F13_001

Striscia di prese

XK

KINETIX TERMINAL BOARD MACH80

Testo funzionale	Nome cavo	Tipo cavo	Designazione destinazione	Attacco	Morsetto	Ponticello	Designazione destinazione	Attacco	Tipo cavo	Nome cavo	Pagina/Colonna
JAWS HOMING SENSOR			213AX1	IOD-3A	21320	,	213SQ1				213.2
CHAIN HOME PROXIMITIES			213AX1	IOD-3B	21322	,	213SQ3				213.3
FILM REFERENCE SIGN PHOTOCELL			215AX1	IOD-3A	21524	,	215BF4				215.3
			529KA4	12							

	Data	16/07/2018	OTNESTLETUL1	Schema morsetti XK	704
	Elab.	Lorenzo			
Modifica / Data / Nome	Verificato				Foglio 710
701	Origine				Foglio 80

Schema morsetti

F13_001

Testo funzionale	Nome cavo	Tipo cavo	Striscia di prese XT CABINET GENERAL TERMINAL BOARD: Designazione destinazione	Attacco	Morsetto	Ponticello	Designazione destinazione	Attacco	Nome cavo	Tipo cavo	Pagina/Colonna
CH1 GENERAL AIR VALVE			400YVG1	x1	56401	,	CNS4	0			400.1
CH1 GENERAL AIR VALVE			402YVG1	x1	66401	,	CN6	0			402.1
CH2 GENERAL AIR VALVE			400YVG4	x1	56402	,	CNS4	1			400.4
CH2 GENERAL AIR VALVE			402YVG4	x1	66402	,	CN6	1			402.4
			540R1	x2	54001	,	3			Green	540.0
			SLOT10	0							
BOARD N.11			540R2	x2	54002	,	3			Green	540.4
			SLOT10	1							
CH1 GENERAL AIR VALVE					L-		400YVG1	x2			400.1
CH1 GENERAL AIR VALVE					L-		402YVG1	x2			402.1
MARKING UNIT			X		4QF4L+		X35	4QF4L+			13.3
							213SQ1				
OPERATING PANEL			591PW1	+24	4QF4L+		590SW7	2			591.2
CH1 GENERAL AIR VALVE FEEDBACK					L-		400SQ2	3			400.3
CH1 GENERAL AIR VALVE FEEDBACK					L-		402SQ2	3			402.3
CH2 GENERAL AIR VALVE					L-		400YVG4	x2			400.4
CH2 GENERAL AIR VALVE					L-		402YVG4	x2			402.4
CH2 GENERAL AIR VALVE FEEDBACK					L-		400SQ5	3			400.6
CH2 GENERAL AIR VALVE FEEDBACK					L-		402SQ5	3			402.6
CH2 GENERAL AIR VALVE FEEDBACK			400SQ5	1	4QF4L+		400SQ2	1			400.5
							402SQ2	1			
CH2 GENERAL AIR VALVE FEEDBACK			402SQ5	1	4QF4L+		402SQ2	1			402.5
							410KA1	11			
CH1 GENERAL AIR VALVE			231AX1	IOD-2A	L-						400.1
CH1 GENERAL AIR VALVE			410KA1	A2	L-						402.1
MARKER OK			X		01305		CN2				13.3
=			X		01306		529KA3	14			13.4
MARKER CONTROL			X		01307		529KA3	11			13.4
INFEED JAWS GUARD LOCK			410SQ2	1	41002		410KA1	14			410.2
							410SQ3	1			
CHAIN GUARD BLOCK			411SQ2	1	41102		411KA1	14			411.2
OPERATING PANEL			591PW1	024	L-		590SW7	3			591.3
							650ETH0	0V			

Sommario delle pagine

F06_003

Pagina	Tipo pagina	Descrizione pagina	Data	Elaboratore
0	Foglio del titolo / copertina	PROJECT	26/09/2018	Lorenzo
0.a	Foglio del titolo / copertina	WIRING DIAGRAM SPECIFICATIONS	11/07/2018	Lorenzo
1	Schema elettrico multipolare	MAIN DISCONNECTOR	23/10/2018	Lorenzo
1A	Schema elettrico unipolare	SINGLE PHASE POWER DISTRIBUTION	12/10/2018	Lorenzo
1B	Schema elettrico unipolare	SINGLE PHASE POWER DISTRIBUTION	11/07/2018	Lorenzo
3	Schema elettrico multipolare	SERVICE AUXILIARIES 120VAC POWER SUPPLY	12/10/2018	Lorenzo
3.a	Schema elettrico multipolare	FAN CONNECTION	11/07/2018	Lorenzo
4	Schema elettrico multipolare	CONTROL PANEL 24VDC POWER SUPPLY	16/10/2018	Lorenzo
5	Schema elettrico multipolare	24Vdc KINETIX POWER SUPPLY	16/10/2018	Lorenzo
13	Schema elettrico multipolare	MARKING UNIT	24/09/2018	Lorenzo
30	Schema elettrico multipolare	THERMOREGULATION POWER ON	15/10/2018	Lorenzo
63	Schema elettrico multipolare	THERMOREGULATION 2a HOT ROLLERS PAIR	12/07/2018	Lorenzo
64	Schema elettrico multipolare	THERMOREGULATION 3a HOT ROLLERS PAIR	12/07/2018	Lorenzo
65	Schema elettrico multipolare	UPPER JAW THERMOREGULATION	12/07/2018	Lorenzo
66	Schema elettrico multipolare	LOWER JAW THERMOREGULATION	15/10/2018	Lorenzo
100	Schema elettrico multipolare	480V POWER SUPPLY	12/10/2018	Lorenzo
101	Schema elettrico multipolare	CLEARING CONVEYOR	16/10/2018	Lorenzo
200	Schema elettrico multipolare	KINETIX DRIVE CONFIGURATION	16/07/2018	Lorenzo
201	Schema elettrico multipolare	POWER SUPPLY KINETIX	16/07/2018	Lorenzo
213	Schema elettrico multipolare	CHAIN MOTOR JAWS MOTOR	24/08/2018	Lorenzo
215	Schema elettrico multipolare	UNWINDER MOTOR ROLLERS MOTOR	24/08/2018	Lorenzo
219	Schema elettrico multipolare	RIGHT REEL MOTOR LEFT REEL MOTOR	24/08/2018	Lorenzo
221	Schema elettrico multipolare	A APLC CONVEYOR MOTOR B APLC CONVEYOR MOTOR	24/08/2018	Lorenzo
223	Schema elettrico multipolare	C APLC CONVEYOR MOTOR D APLC CONVEYOR MOTOR	24/08/2018	Lorenzo
225	Schema elettrico multipolare	E APLC CONVEYOR MOTOR F APLC CONVEYOR MOTOR	24/08/2018	Lorenzo
227	Schema elettrico multipolare	1 INTERMEDIATE CONVEYOR MOTOR BAR TURNER INFEED MOTOR	24/08/2018	Lorenzo
229	Schema elettrico multipolare	SHARE MOTOR 2 INTERMEDIATE CONVEYOR MOTOR	16/07/2018	Lorenzo
231	Schema elettrico multipolare	BAR TURNER OUTFEED BELT MOTOR	16/07/2018	Lorenzo
400	Schema elettrico multipolare	MAIN AIR AND MOTIVE POWER INITIATION	16/10/2018	Lorenzo
402	Schema elettrico multipolare	MAIN AIR AND MOTIVE POWER INITIATION	16/10/2018	Lorenzo
410	Schema elettrico multipolare	JAWS GUARD LOCK	16/07/2018	Lorenzo
411	Schema elettrico multipolare	CHAIN GUARD BLOCK	11/07/2018	Lorenzo
438	Schema elettrico multipolare	CLIENT INTERFACE	16/07/2018	Lorenzo
440	Schema elettrico multipolare	CLIENT INTERFACE	16/07/2018	Lorenzo
500	Schema elettrico multipolare	PLC CONFIGURATION	11/07/2018	Lorenzo
500A	Schema elettrico multipolare	MACH80 I/O POINT PLC STRUCTURE	16/07/2018	Lorenzo
501	Schema elettrico multipolare	MODULE 8 SLOT DIGITAL INPUTS 1	16/07/2018	Lorenzo
502	Schema elettrico multipolare	MODULE 8 SLOT DIGITAL INPUTS 2	16/07/2018	Lorenzo
503	Schema elettrico multipolare	MODULE 8 SLOT DIGITAL INPUTS 3	16/07/2018	Lorenzo

Sommario delle pagine

F06_003

Pagina	Tipo pagina	Descrizione pagina	Data	Elaboratore
504	Schema elettrico multipolare	MODULE 8 SLOT DIGITAL INPUTS 4	16/07/2018	Lorenzo
505	Schema elettrico multipolare	MODULE 8 SLOT DIGITAL INPUTS 5	11/07/2018	Lorenzo
529	Schema elettrico multipolare	MODULE 8 SLOT DIGITAL OUTPUTS 6	16/07/2018	Lorenzo
530	Schema elettrico multipolare	MODULE 8 SLOT DIGITAL OUTPUTS 7	16/10/2018	Lorenzo
531	Schema elettrico multipolare	MODULE 8 SLOT DIGITAL OUTPUTS 8	11/07/2018	Lorenzo
532	Schema elettrico multipolare	MODULE 8 SLOT DIGITAL OUTPUTS 9	16/07/2018	Lorenzo
533	Schema elettrico multipolare	MODULE 8 SLOT DIGITAL OUTPUTS 10	16/07/2018	Lorenzo
540	Schema elettrico multipolare	MODULE 2 SLOT ANALOGUE INPUTS 11	16/07/2018	Lorenzo
541	Schema elettrico multipolare	MODULE 2 ANALOGUE INPUTS RTD SLOT 12	12/07/2018	Lorenzo
542	Schema elettrico multipolare	MODULE 2 ANALOGUE INPUTS RTD SLOT 13	12/07/2018	Lorenzo
543	Schema elettrico multipolare	MODULE 8 SLOT DIGITAL INPUTS 14	16/07/2018	Lorenzo
544	Schema elettrico multipolare	MODULE 8 SLOT DIGITAL OUTPUTS 15	16/07/2018	Lorenzo
545	Schema elettrico multipolare	MODULE 2 ANALOGUE INPUTS RTD SLOT 16	12/07/2018	Lorenzo
546	Schema elettrico multipolare	MODULE 2 SLOT ANALOGUE INPUTS 11	16/07/2018	Lorenzo
549	Grafica	SAFETY INPUT PROGRAMMING	11/07/2018	Lorenzo
560	Schema elettrico multipolare	SAFETY I/O POINT PLC STRUCTURE	16/10/2018	Lorenzo
561	Schema elettrico multipolare	MODULE 8 SLOT 1 SAFETY DIGITAL INPUTS	16/07/2018	Lorenzo
562	Schema elettrico multipolare	MODULE 8 SLOT 2 SAFETY DIGITAL INPUT	16/10/2018	Lorenzo
563	Schema elettrico multipolare	MODULE 8 SLOT 3 SAFETY DIGITAL INPUT	16/07/2018	Lorenzo
564	Schema elettrico multipolare	MODULE 8 SLOT 4 SAFETY DIGITAL OUTPUT	16/10/2018	Lorenzo
565	Schema elettrico multipolare	MODULE 8 SLOT 5 SAFETY DIGITAL INPUTS	16/07/2018	Lorenzo
590	Schema elettrico multipolare	SWITCH ETHERNET	16/10/2018	Lorenzo
591	Schema elettrico multipolare	OPERATING PANEL	16/10/2018	Lorenzo
610	Schema elettrico multipolare	CLIENT INTERFACE	13/07/2018	Lorenzo
614	Schema elettrico multipolare	CLIENT INTERFACE	11/07/2018	Lorenzo
650	Schema elettrico multipolare	I/O POINT PLC CONFIGURATION	16/10/2018	Lorenzo
651	Schema elettrico multipolare	MODULE 4 DIGITAL INPUTS SLOT 1 BOX U1	16/07/2018	Lorenzo
653	Schema elettrico multipolare	MODULE 4 DIGITAL OUTPUTS SLOT 2 BOX U1	16/10/2018	Lorenzo
661	Schema elettrico multipolare	MODULE 8 SLOT 3 SAFETY DIGITAL INPUTS	16/10/2018	Lorenzo
662	Schema elettrico multipolare	MODULE 8 SLOT 3 SAFETY DIGITAL INPUTS	16/10/2018	Lorenzo
663	Schema elettrico multipolare	MODULE 8 SLOT 3 SAFETY DIGITAL INPUTS	16/10/2018	Lorenzo
664	Schema elettrico multipolare	MODULE 8 SLOT 4 SAFETY DIGITAL OUTPUT	16/10/2018	Lorenzo
665	Schema elettrico multipolare	MODULE 4 DIGITAL INPUTS SLOT 1 BOX U1	16/10/2018	Lorenzo
666	Schema elettrico multipolare	MODULE 4 DIGITAL OUTPUTS SLOT 2 BOX U1	16/10/2018	Lorenzo
700	Schema elettrico multipolare	TERMINAL BOARDS	11/07/2018	Lorenzo
701		Schema morsetti XE	16/07/2018	Lorenzo
704		Schema morsetti XK	16/07/2018	Lorenzo
710		Schema morsetti XT	23/10/2018	Lorenzo
950	Sommario delle pagine	SUMMARY OF PAGES	23/10/2018	Lorenzo

Sommario delle pagine

F06_003

Pagina	Tipo pagina	Descrizione pagina	Data	Elaboratore
951	Sommario delle pagine	SUMMARY OF PAGES	23/10/2018	Lorenzo
952	Sommario delle pagine	SUMMARY OF PAGES	16/10/2018	Lorenzo