



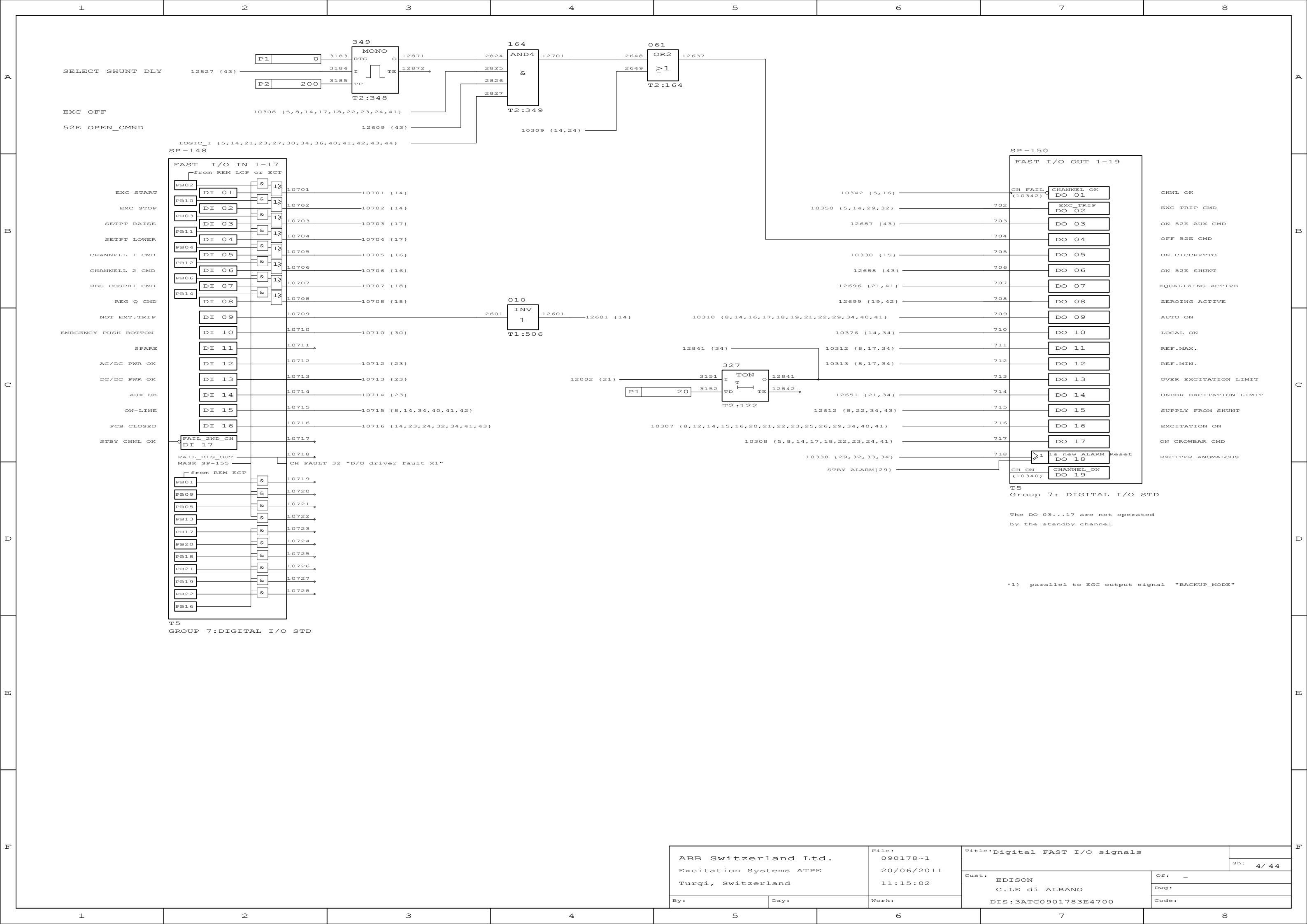
1	2	3	4	5	6	7	8		
Group	Group Designation - Block Designation	Sheet	SP No.	Symbol File Name	Group	Group Designation - Block Designation	Sheet	SP No.	Symbol File Name
01 51 101	ANALOG I/O COB - AI COB OPT 1-3 - AI COB OPT 4-6 - AO_COB_OPT 1-6 - DATASET 1 - DATASET 2 - DATASET 3 - DATASET 4	6 6 6 34 34 34 34	146 162 147 125 127 126 128	AICOB13.SYM AICOB46.SYM AOCOBOPT.SYM DATASET1.SYM DATASET3.SYM DATASET2.SYM DATASET4.SYM	111	FAULTS, ALARMS - USER EVENT 1 - USER EVENT 2 - USER EVENT 3 - USER EVENT 4 - USER EVENT 5 - USER EVENT 6 - FAULTS - ALARMS	30 30 30 30 30 30 32 33	48 49 50 51 52 53 164 165	USER_EV1.SYM USER_EV2.SYM USER_EV3.SYM USER_EV4.SYM USER_EV5.SYM USER_EV6.SYM FAULTS&A.SYM F&ALARM.SYM
02 52 102	ANALOG INPUTS MUB - MACH SENSING - BUS SENSING - AI MUB OPT 1-4	7 7 7	140 166 141	MACHSENS.SYM BUS_SENS.SYM AI_MUB_O.SYM	13 63 113	IE LIMITER - IE LIMITER	20	55	IE_LIM.SYM
03 53 103	CONTROL LOGIC - EXCITATION ON/OFF CTRL - FIELDFLASH/COMPOUND - TRANSFER_CTRL - REF HANDLING - REF OUT MUX - COSPHI/Q CTRL - LCP AFC094 DISPLAY - LCP AFC094 DIG I/O - SERVICE/LOCAL/REMOTE CTRL	14 15 16 17 17 18 8 8 14	74 152 76 77 78 79 154 155 156	ONOFF.SYM F_FLASH.SYM TRANCTRL.SYM REFCTRL.SYM REFOUT.SYM COSVAR.SYM LCP_DISP.SYM LCP_DIG.SYM LOC-REM.SYM	14 64 114  15 65 115  17 67 117  18 68 118  19 69 119  20 70 120  21 71 121	I LIMITER - I LIMITER - QO CTRL  PQ IEMIN LIMITER - PQ LIMITER - IEMIN LIMITER  COSPHI CTRL - COSPHI CTRL  Q CONTROL - Q CTRL  AVR CTRL - AVR SETPOINT - AVR REF INFLUENCE - AVR PID  AVR IN, PSS - AVR INPUT - IEEE-PSS - ADAPTIVE-PSS - PSS-CONTROL - fEP RELATIVE  MANUAL CTRL - MAN CTRL OE RESTRICT - MANUAL SETPOINT - MANUAL PI - FOLLOW UP CTRL  Analog I/O ARCnet - UA C096 1 - UA C096 2  Digital I/O ARCnet - UP C090 1 - UP C090 2 - UP C090 3 - UP C090 4  CH COMMUNICATION - CH COMMUNICATION  CONSTANTS - CONSTANTS  FIELDBUS - FIELDBUS	20 20  20 20  19  19  21 21 21  21 27 27 27 27  22 22 22 22  36 36  36 36 36 36  29  30  34	56 63  61 62  58  57  43 44 42  41 212 145 213 143  60 45 59 46  191 192  171 172 173 174  82  54  129	I_LIM.SYM QOCTRL.SYM  PQLIM.SYM IEMINLIM.SYM  COSPHI.SYM  QCTRL.SYM  AVRSETP.SYM AVRINFLU.SYM AVRPID.SYM  AVRINPUT.SYM PSS_IEEE.SYM PSS_ADAP.SYM PSS_CTRL.SYM PSS_SENS.SYM  MANOERES.SYM MANSETP.SYM MANPI.SYM FOLLOWUP.SYM  UAC096_1.SYM UAC096_2.SYM  UPC090_1.SYM UPC090_2.SYM UPC090_3.SYM UPC090_4.SYM  CHCOM.SYM  CONSTS.SYM  FIELDBUS.SYM
04 54 104	CONVERTER MONIT - EXCITER MONITORING - COB TO CIN - Monitoring - FAN SUPPLY TRANSFER	12 13 25	138 157 217	CONV-SUP.SYM CINMONIT.SYM FAN_SUP.SYM	22 122				
05 55 105	CONVERTER CTRL - EXCITER MEASURING - CIN TO COB 1 - CIN TO COB 2 - INDIV CONV CTRL - COB TO CIN - GATE CONTROL - EXCITER MEASURING - EXTENDED GATE CTRL (COB) - EXTENDED GATE CTRL (EGC)	9 10 10 11 13 22 9 18 37	136 167 168 137 134 47 136 170 169	EXCITER.SYM CIN_COB.1SYM CIN_COB2.SYM CONV_IND.SYM COB_CIN.SYM GATECTRL.SYM EXCITER.SYM EGC_CTRL.SYM EGC_SOFT.SYM	23 123				
06 106	DATA LOGGER - DATA LOGGER	28	130	DATALOG.SYM	74 124				
07 107	DIGITAL I/O STD - FAST I/O IN 1-17 - FAST I/O OUT 1-19	4 4	148 150	FASTIN.SYM FASTOUT.SYM	125				
08 108	DIGITAL I/O EXTD - FAST I/Oe IN 1-16 - FAST I/Oe OUT 1-19	5 5	149 151	FASTEXIN.SYM FASTEOUT.SYM	40				
09 59 109	MONITORING - MONITORING 1 - DEEXCITATION MONITORING - CIN_ALARM - PT MONITORING - ROTATING DIODE MONIT - COMMUNICATION MONITORING	23 24 31 25 26 26	161 159 153 142 139 160	MONIT1.SYM MONDEEXC.SYM CINALARM.SYM MON_PT.SYM MON_DIOD.SYM MONCOMMU.SYM					
10 60 110	RT MONITORING - RT MONITORING - EXC TRAFO MONITORING	26 24	121 158	MONRTEMP.SYM MONTRAFO.SYM					

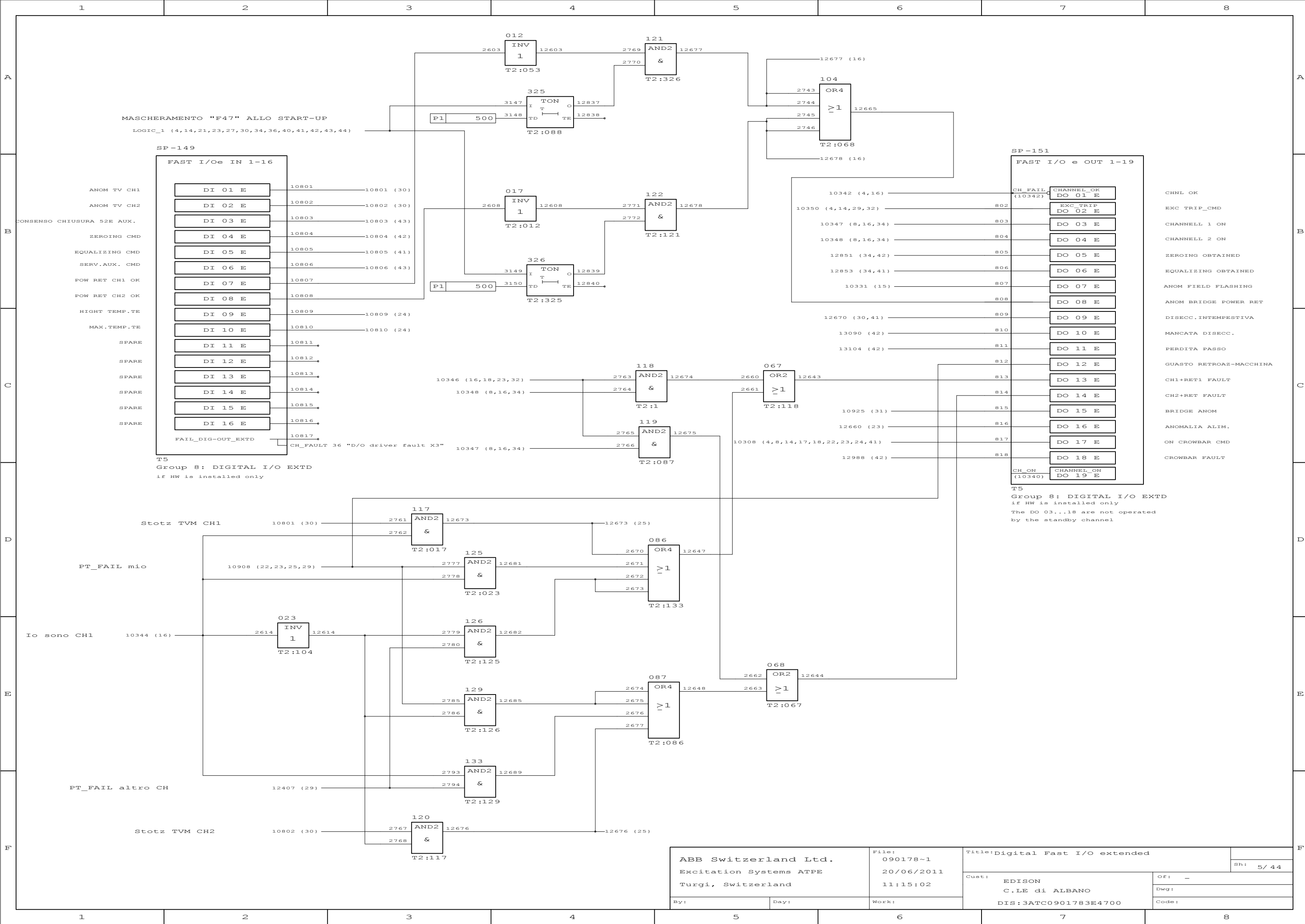
By: A2A      Day:      Work:			Title:Content	
			Sh: 2/ 44	
			Cust: EDISON C.IE di ALBANO	
			Of: - Dwg: Code:	

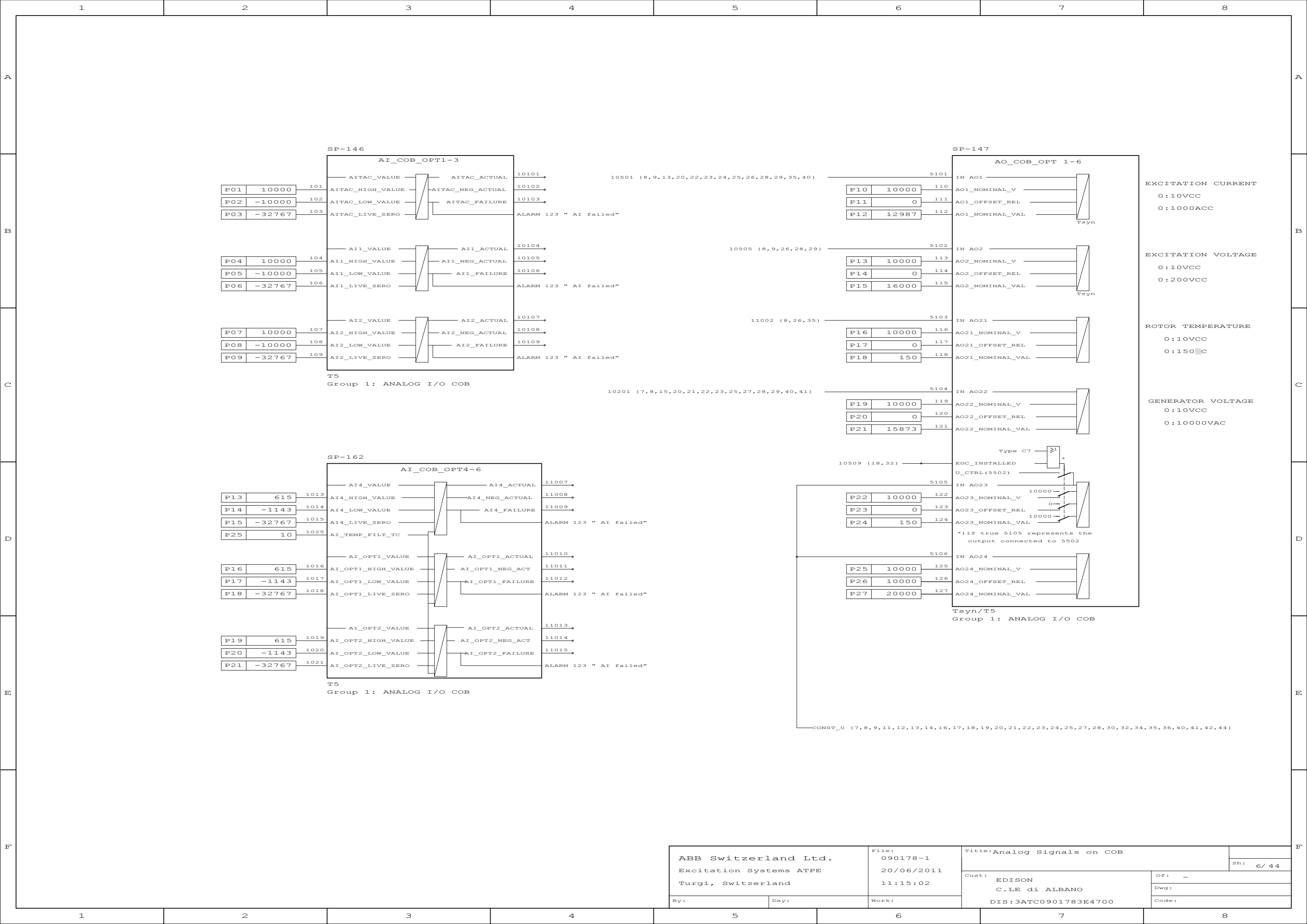
DIS:3ATC0901783E4700		
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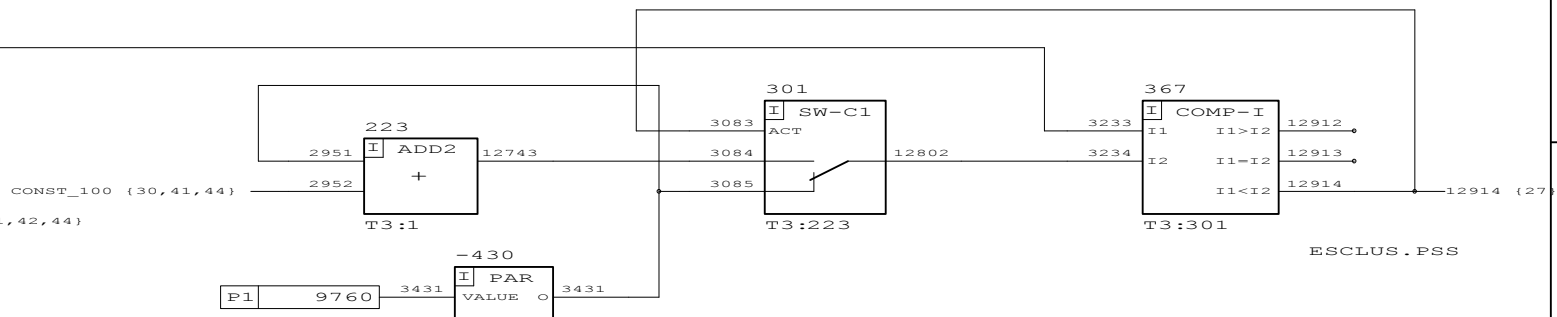
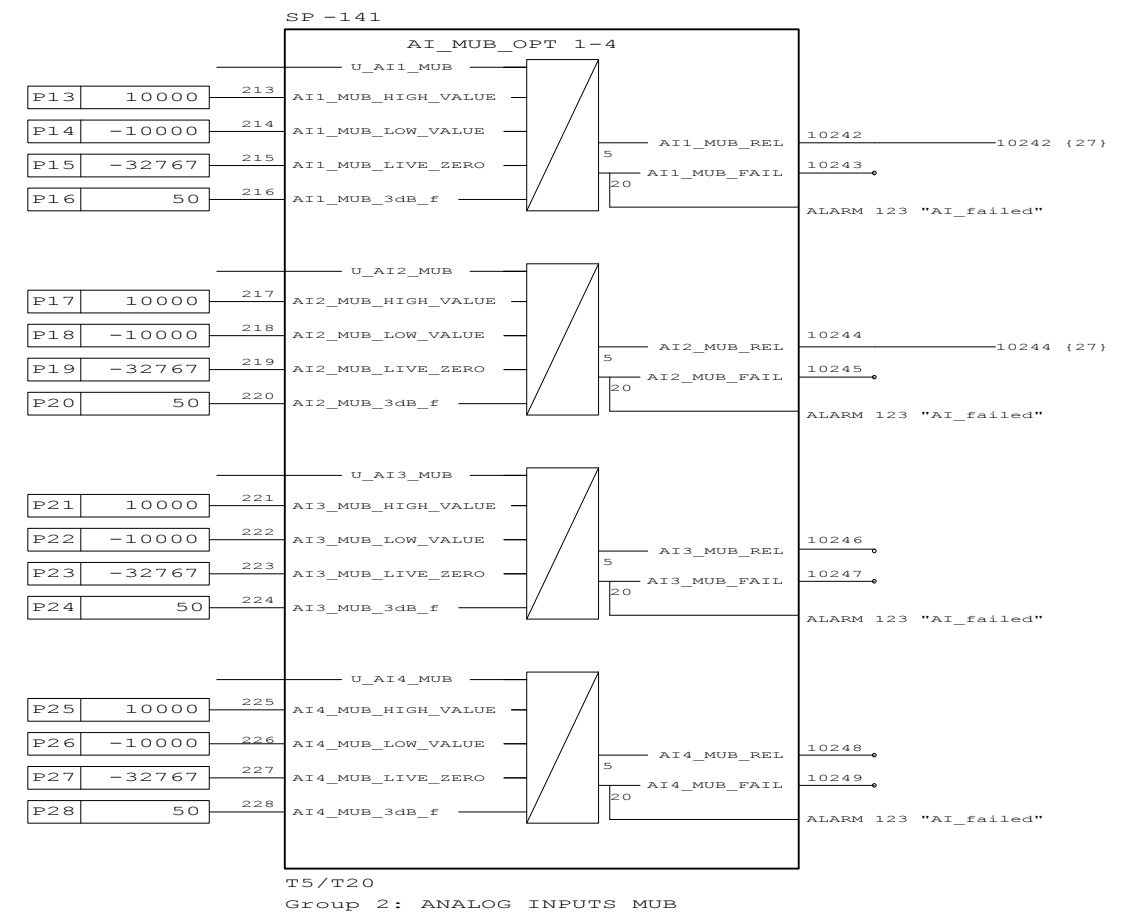
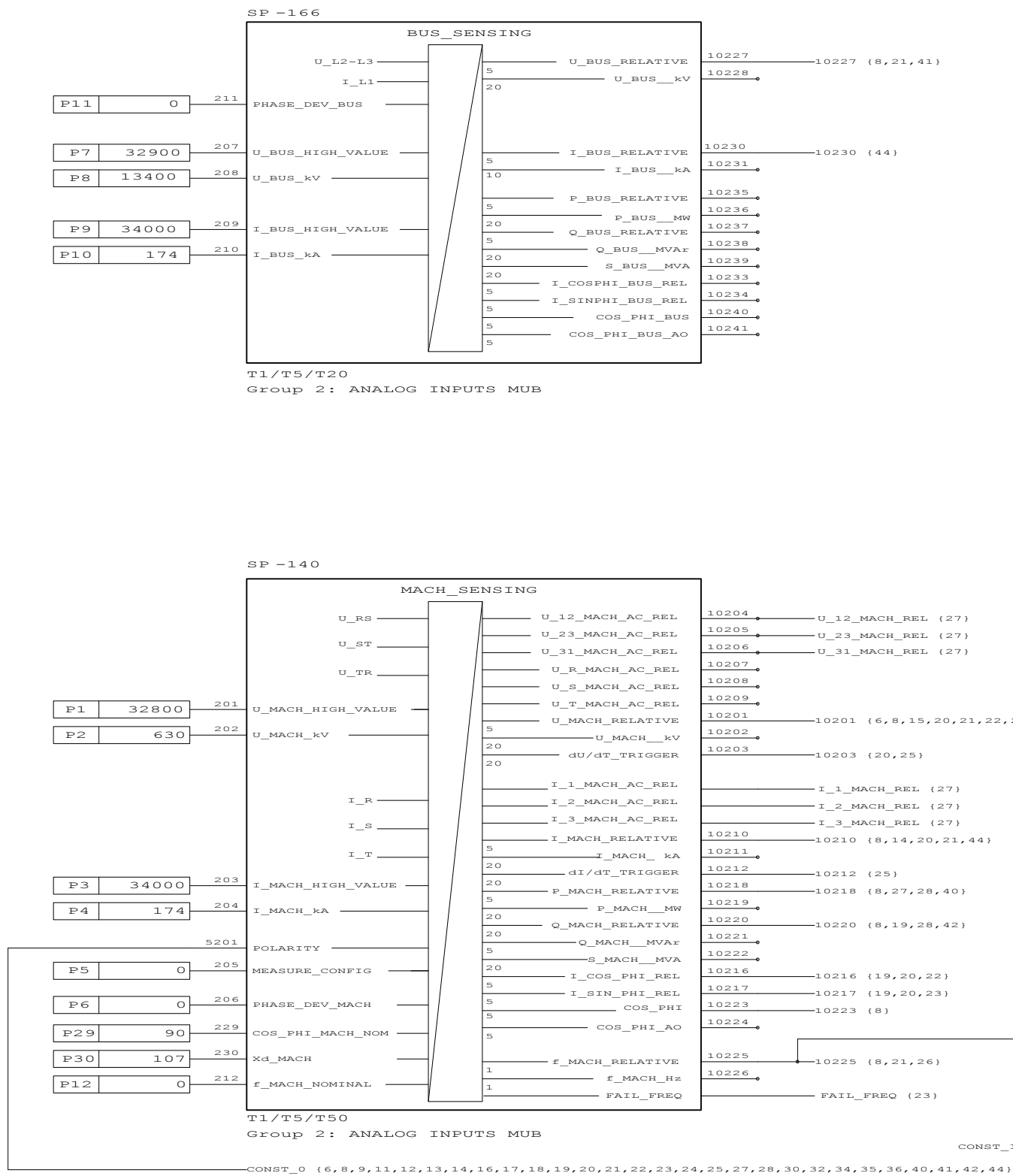
1		2		3		4		5		6		7		8	
Group	Group Designation - Block Designation			Sheet	SP No.	Symbol File Name									
A	EXTERNAL FIRMWARE - EXTENDED GATE CONTROLLER - CONVERTER FAN CONTROL - CIN CONTROL			37 38 39	169 193 218	EGC_SOFT CIN_FAN CIN_CTRL.SYM									
B															
C															
D															
E															
F															
1		2		3		4		5		6		7		8	
ABB Switzerland Ltd. Excitation Systems ATPE Turgi, Switzerland						File: 090178~1 20/06/2011 11:15:02		Title:Content				Sh: 3/ 44			
By:						Day:		Work:		Cust: EDISON C.LE di ALBANO				Of: -	
										DIS:3ATC0901783E4700				Dwg:	
														Code:	

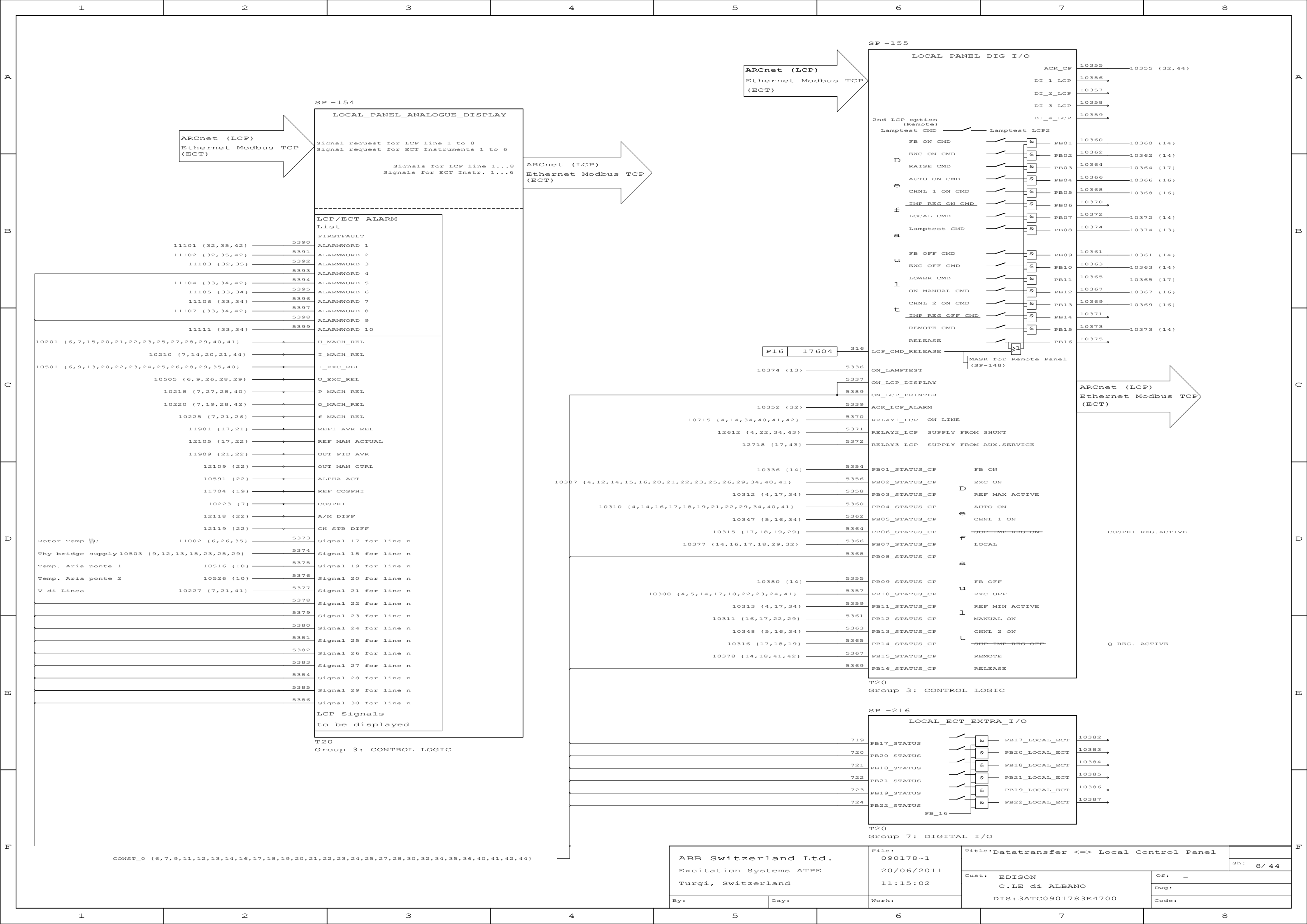
ABB Switzerland Ltd. Excitation Systems ATPE Turgi, Switzerland		File: 090178~1 20/06/2011 11:15:02	Title:Content		Sh: 3/ 44
			Cust: EDISON C.LE di ALBANO		Of: -
By:		Day:	Work:	DIS:3ATC0901783E4700	
				Code:	



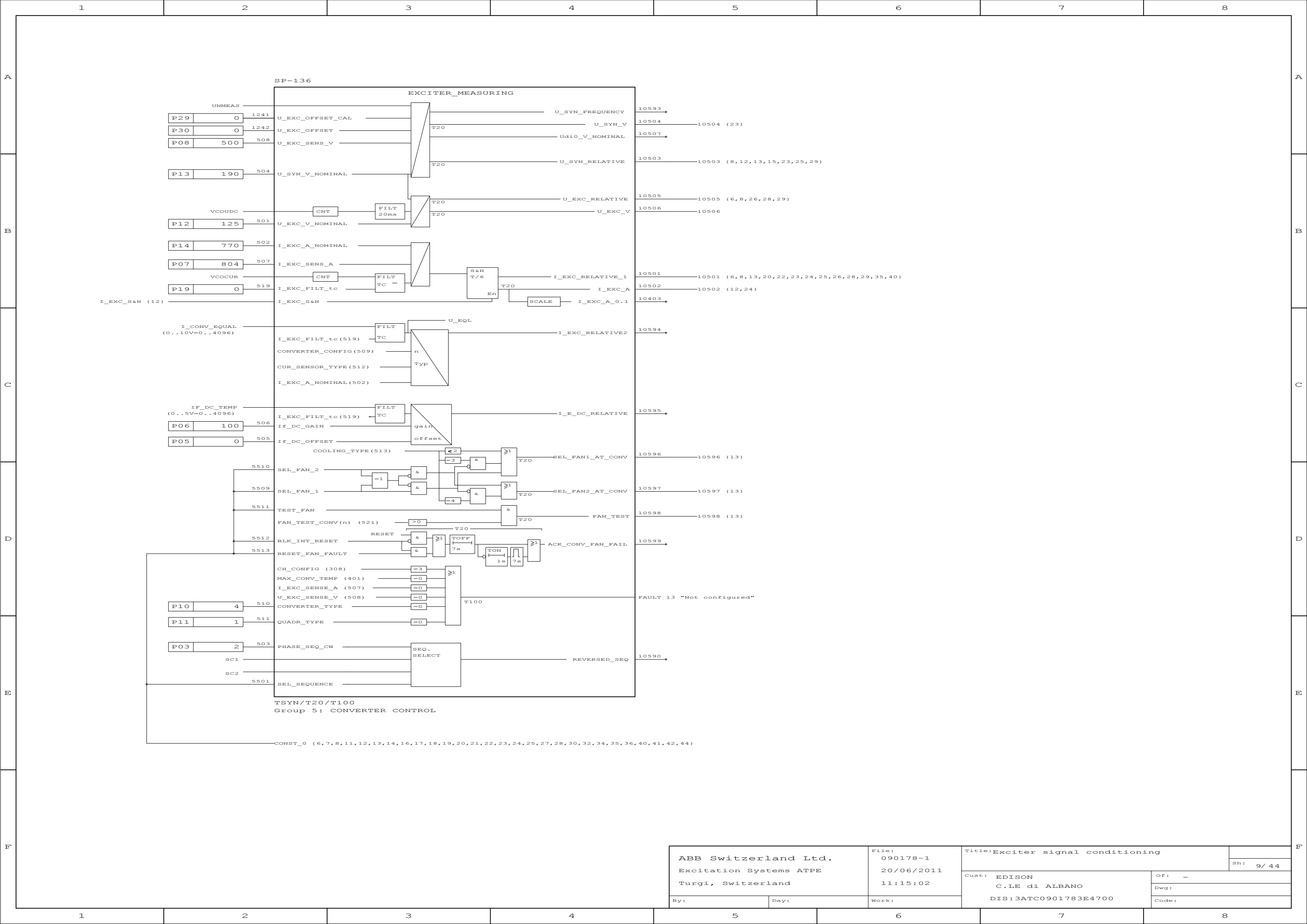


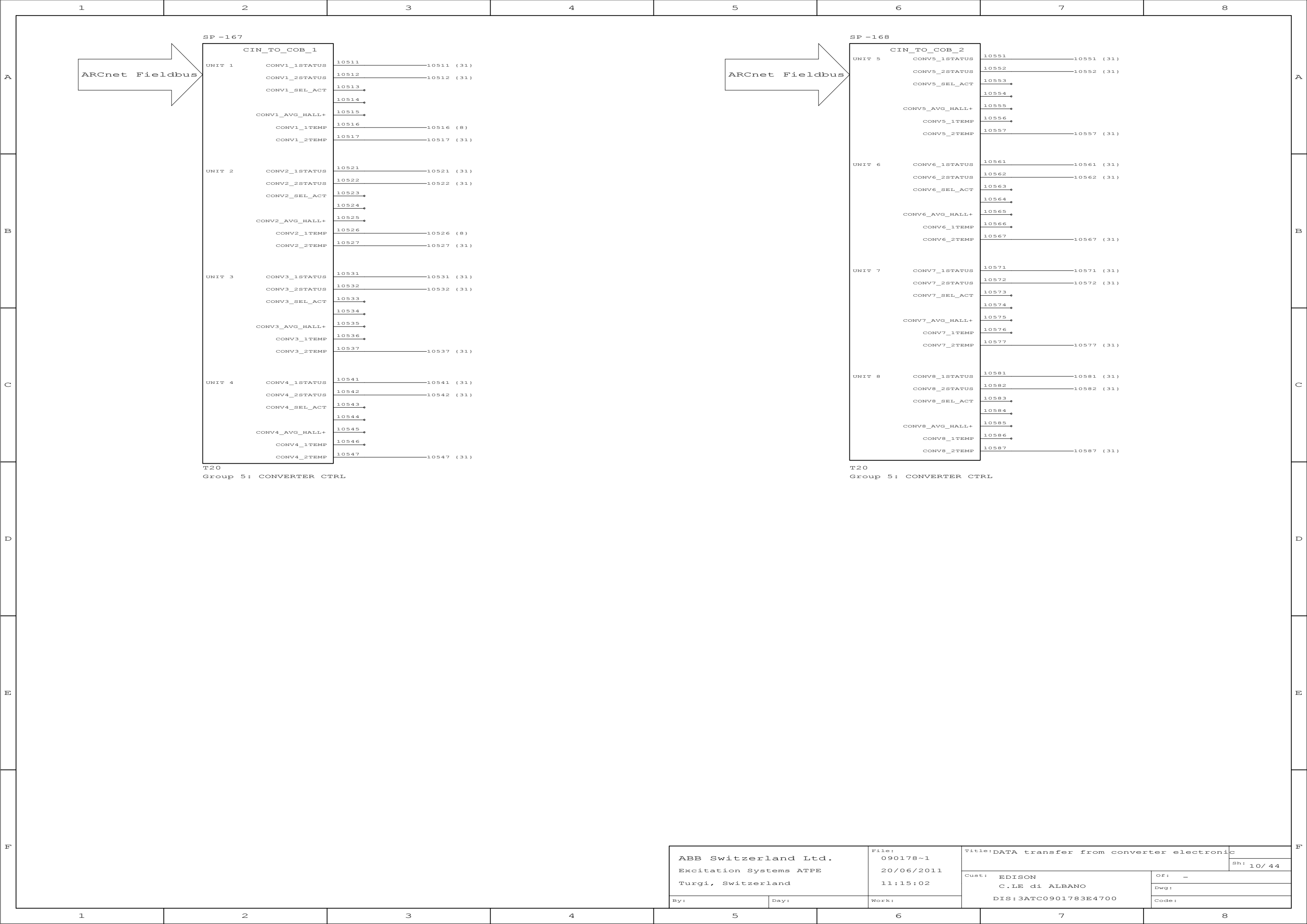


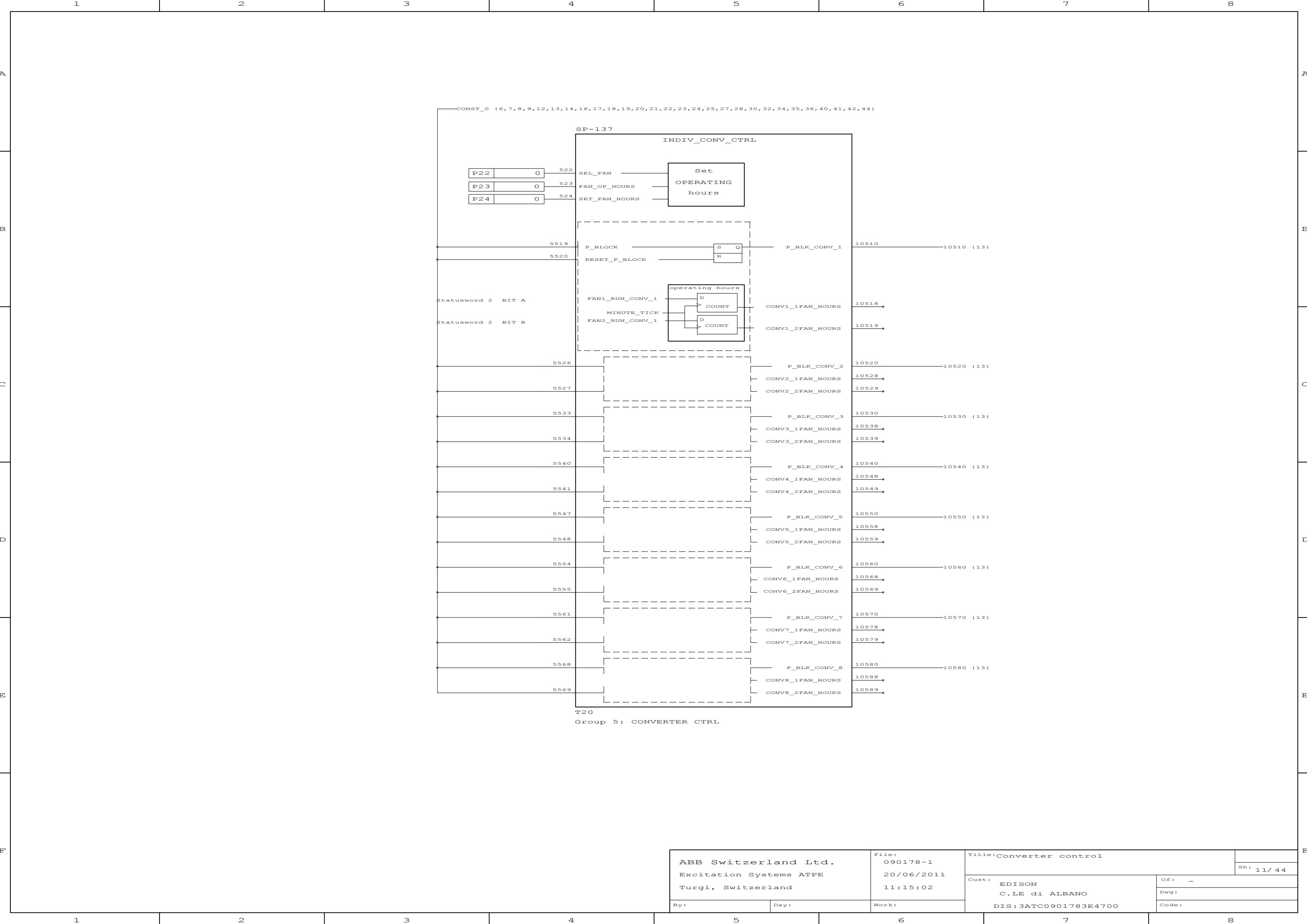


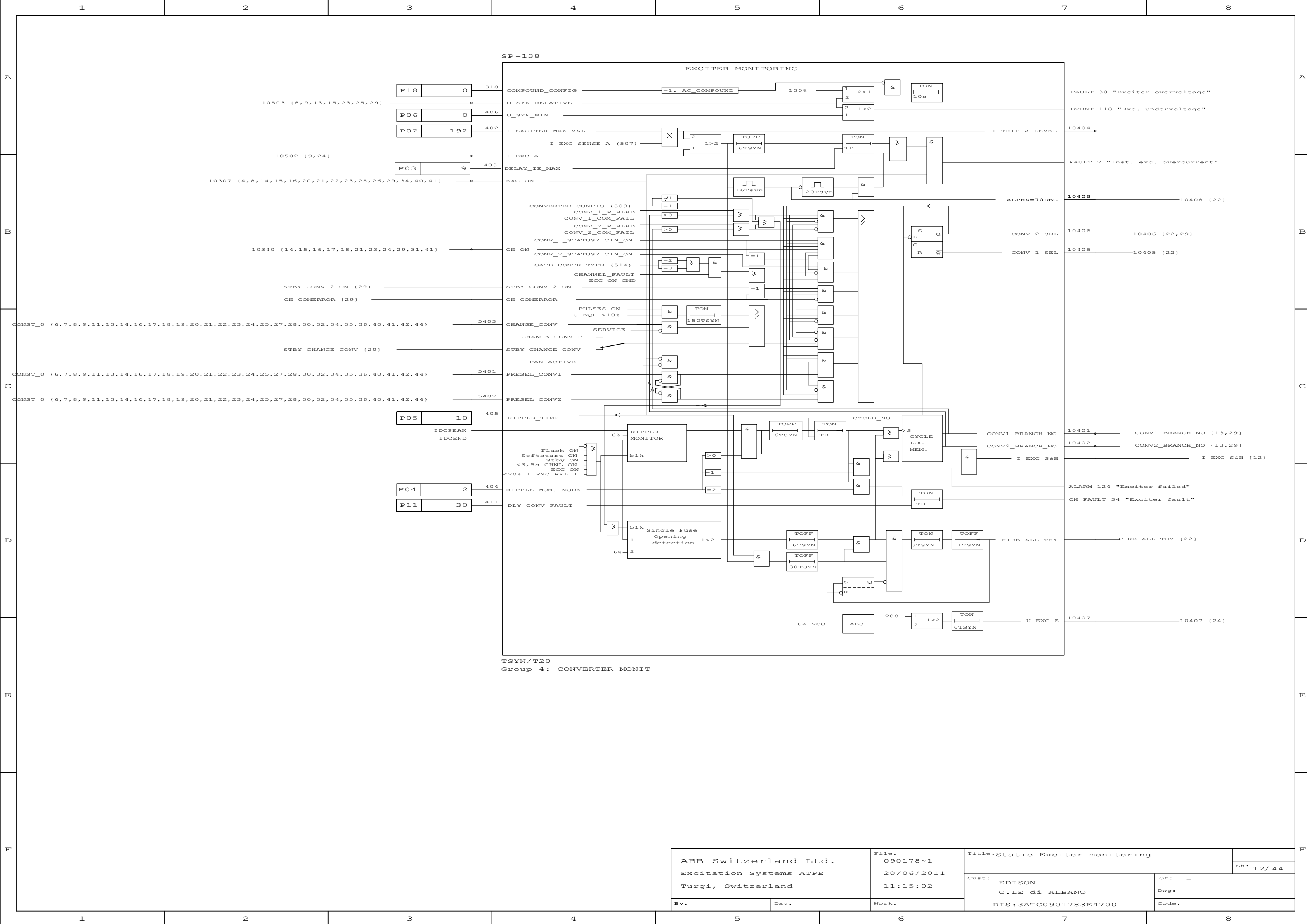


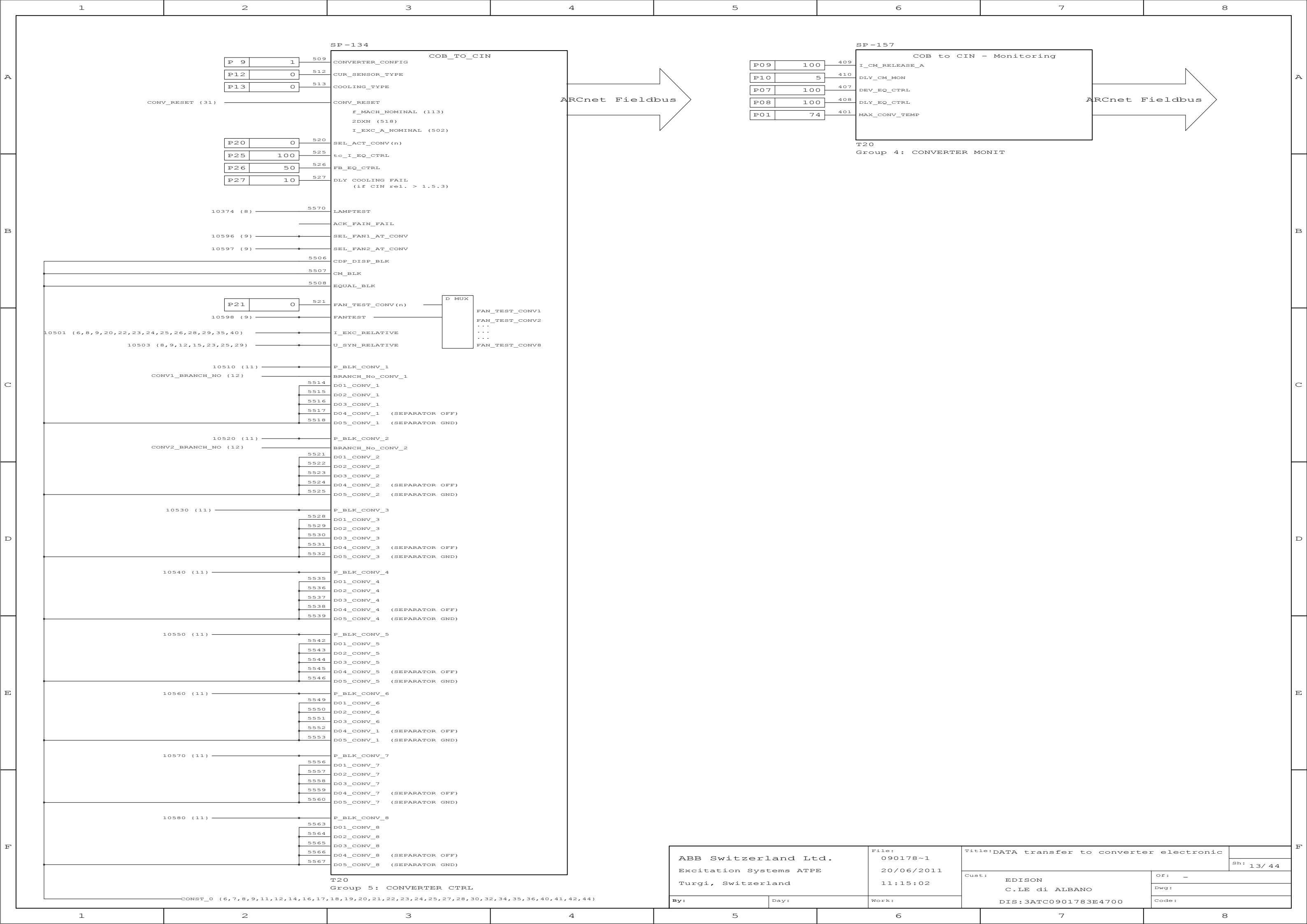


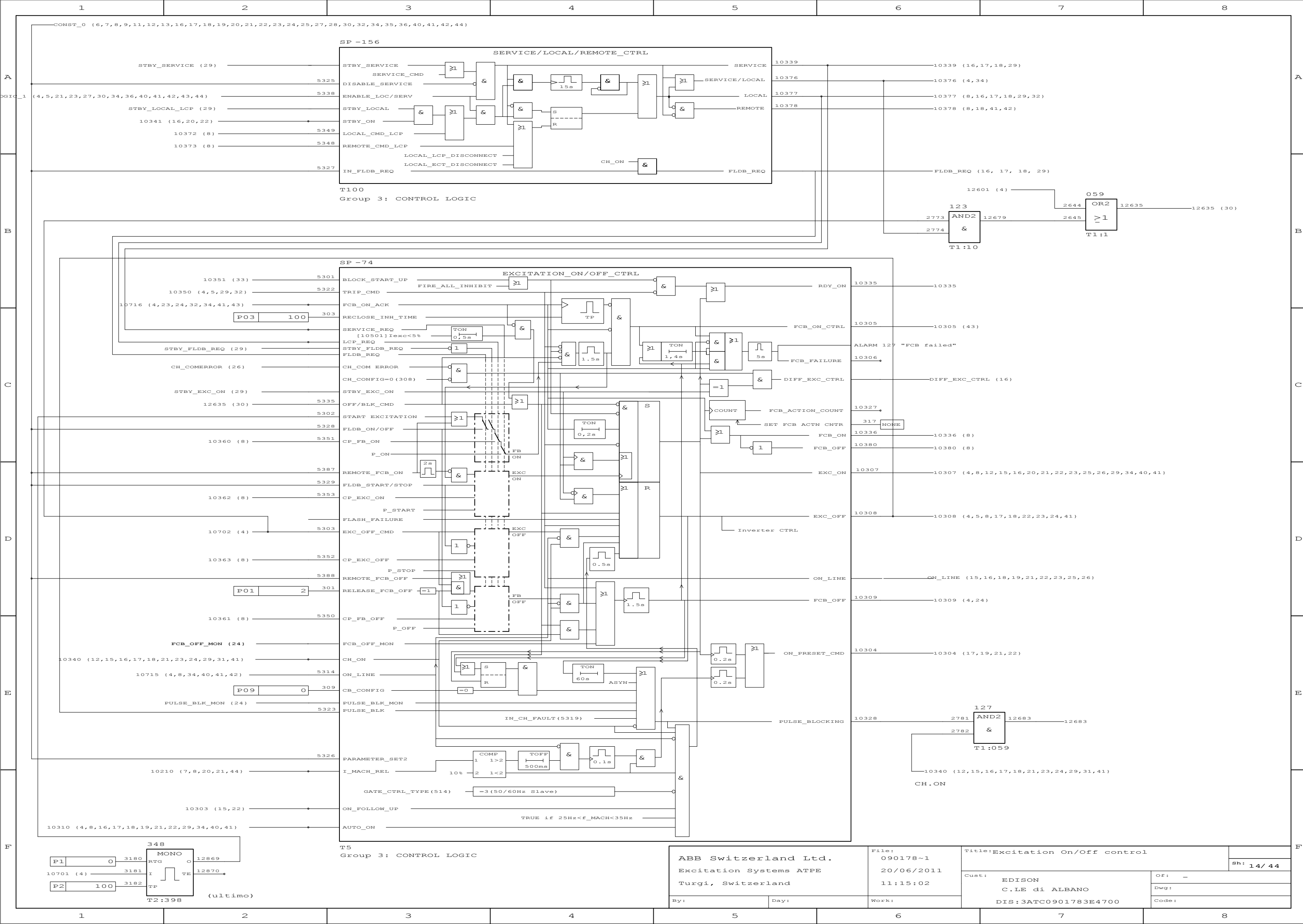


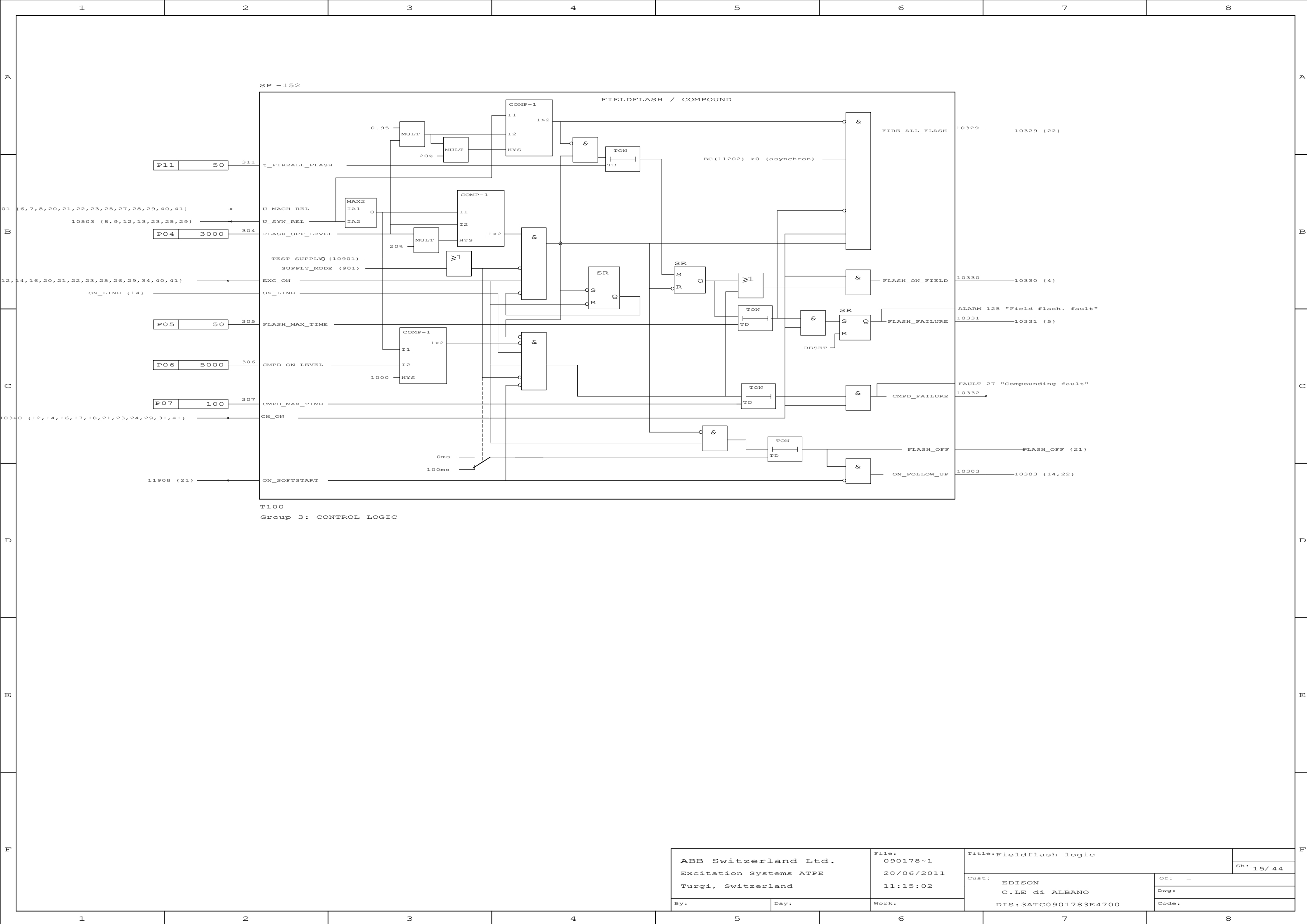


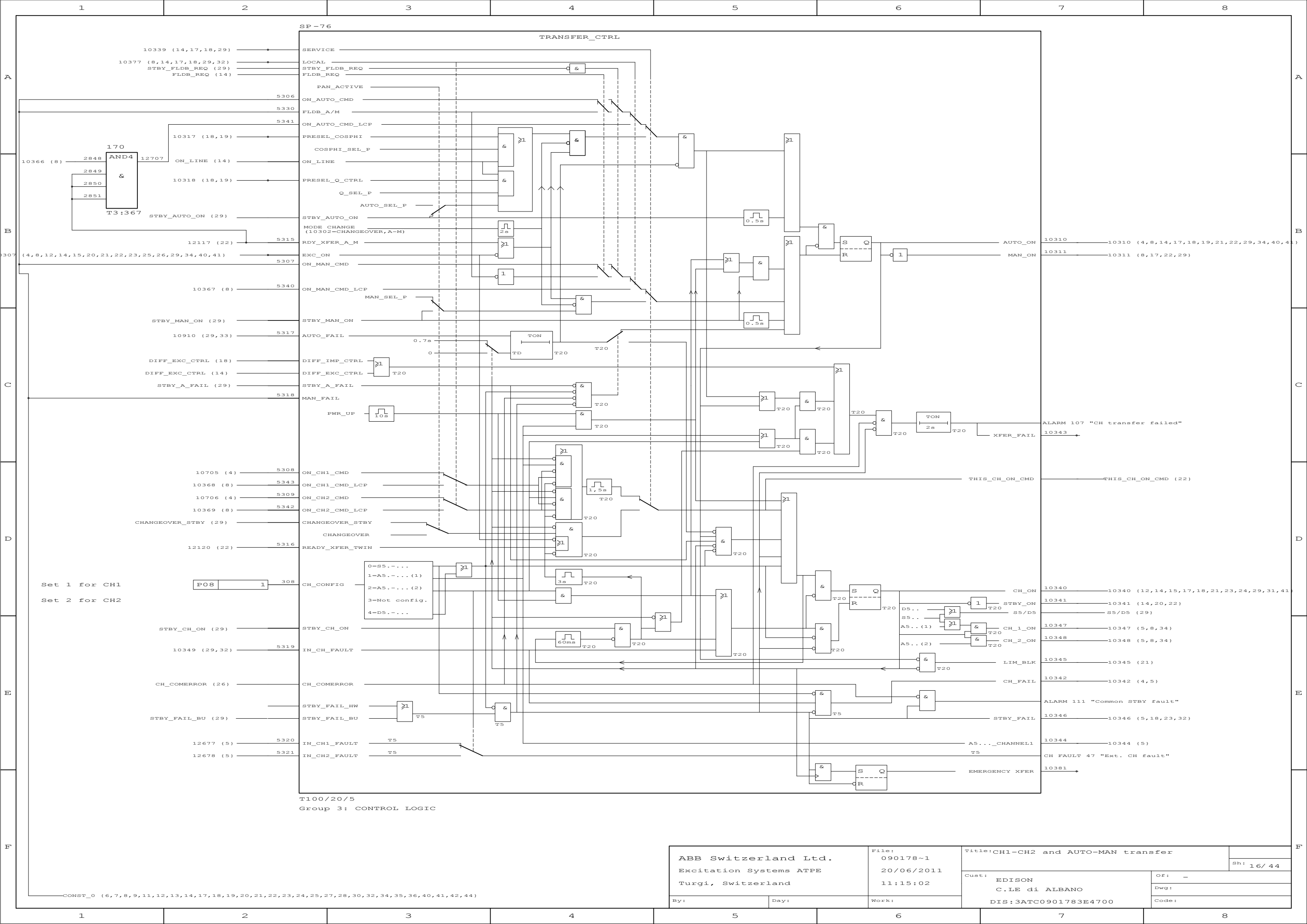




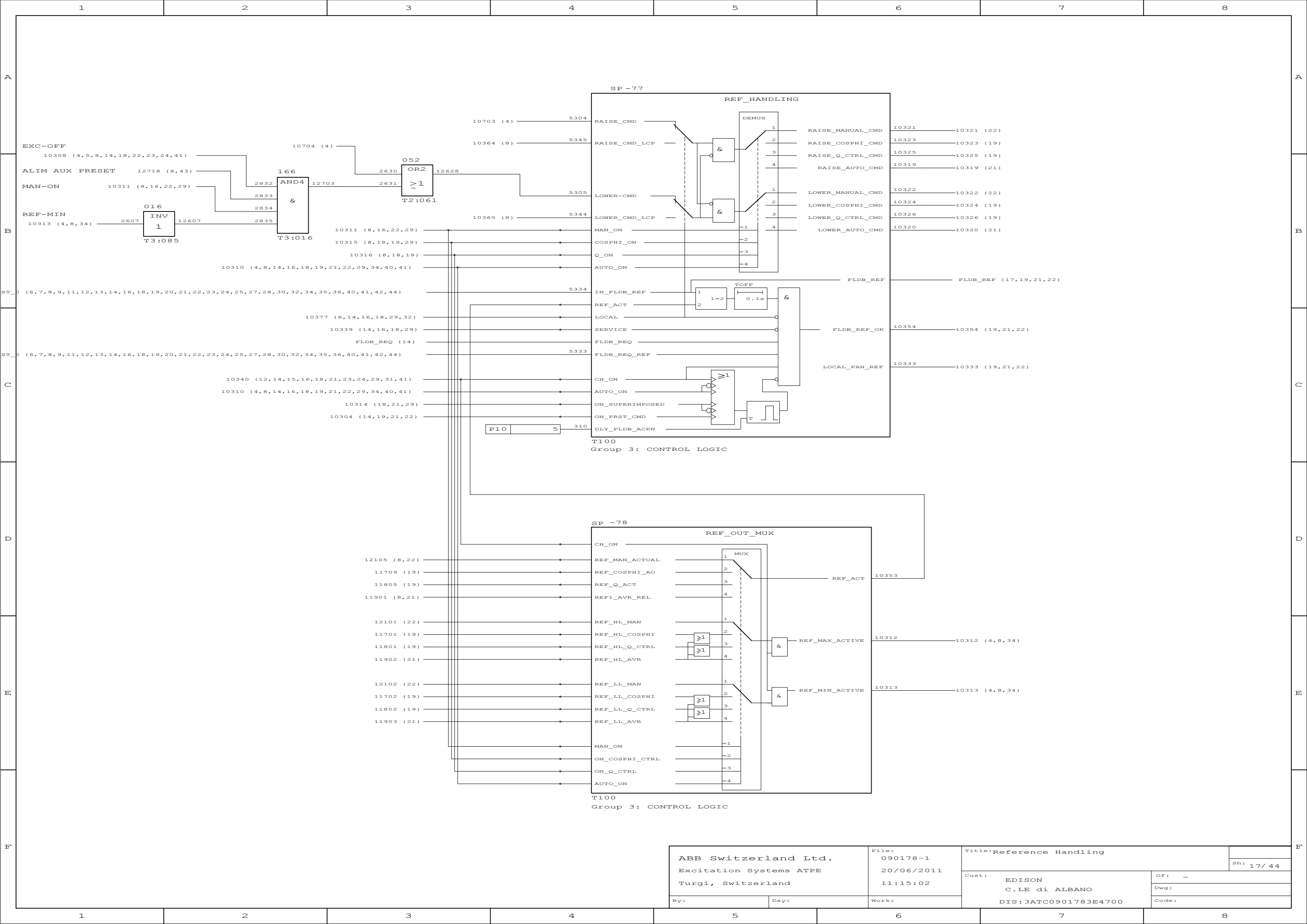


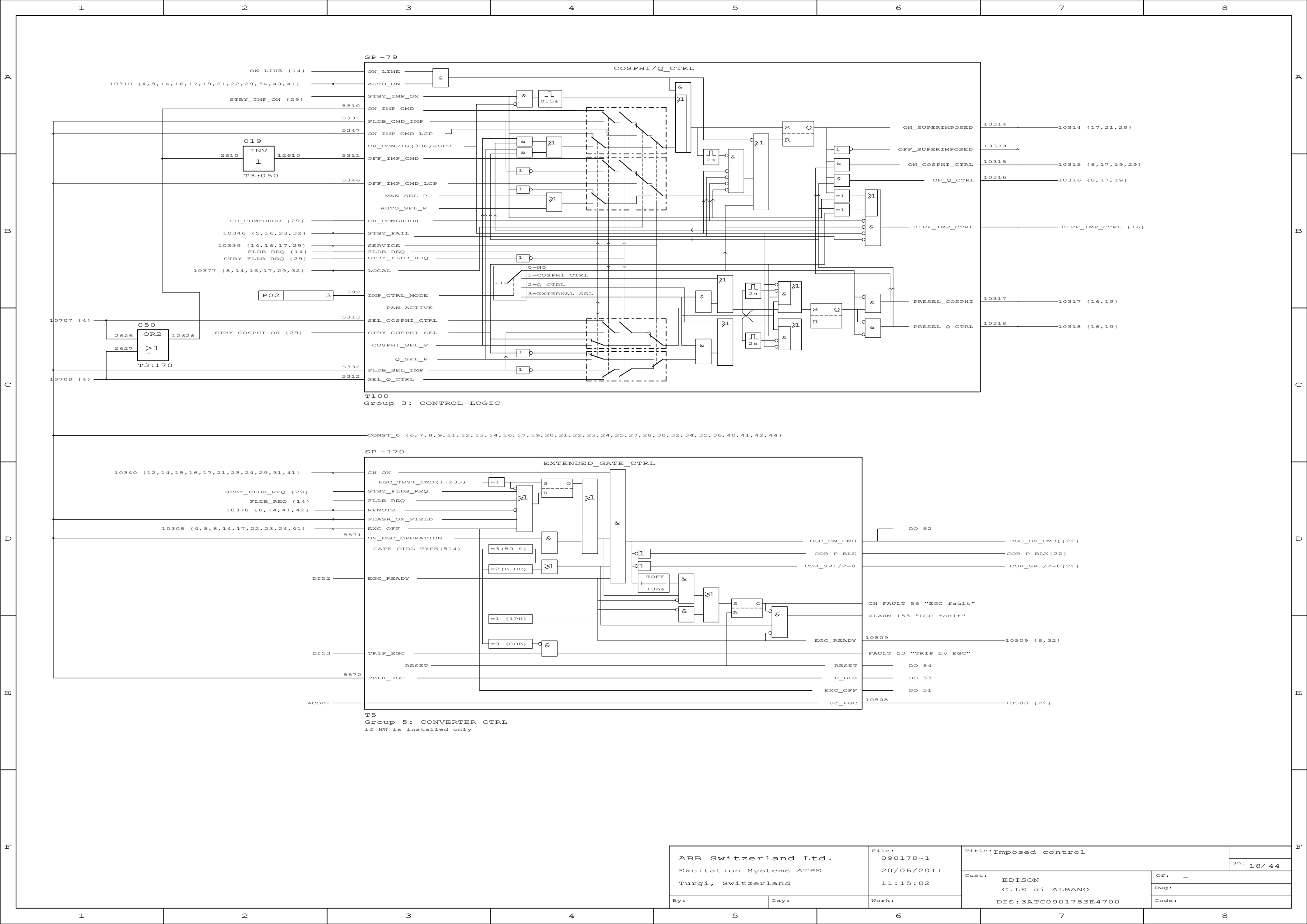


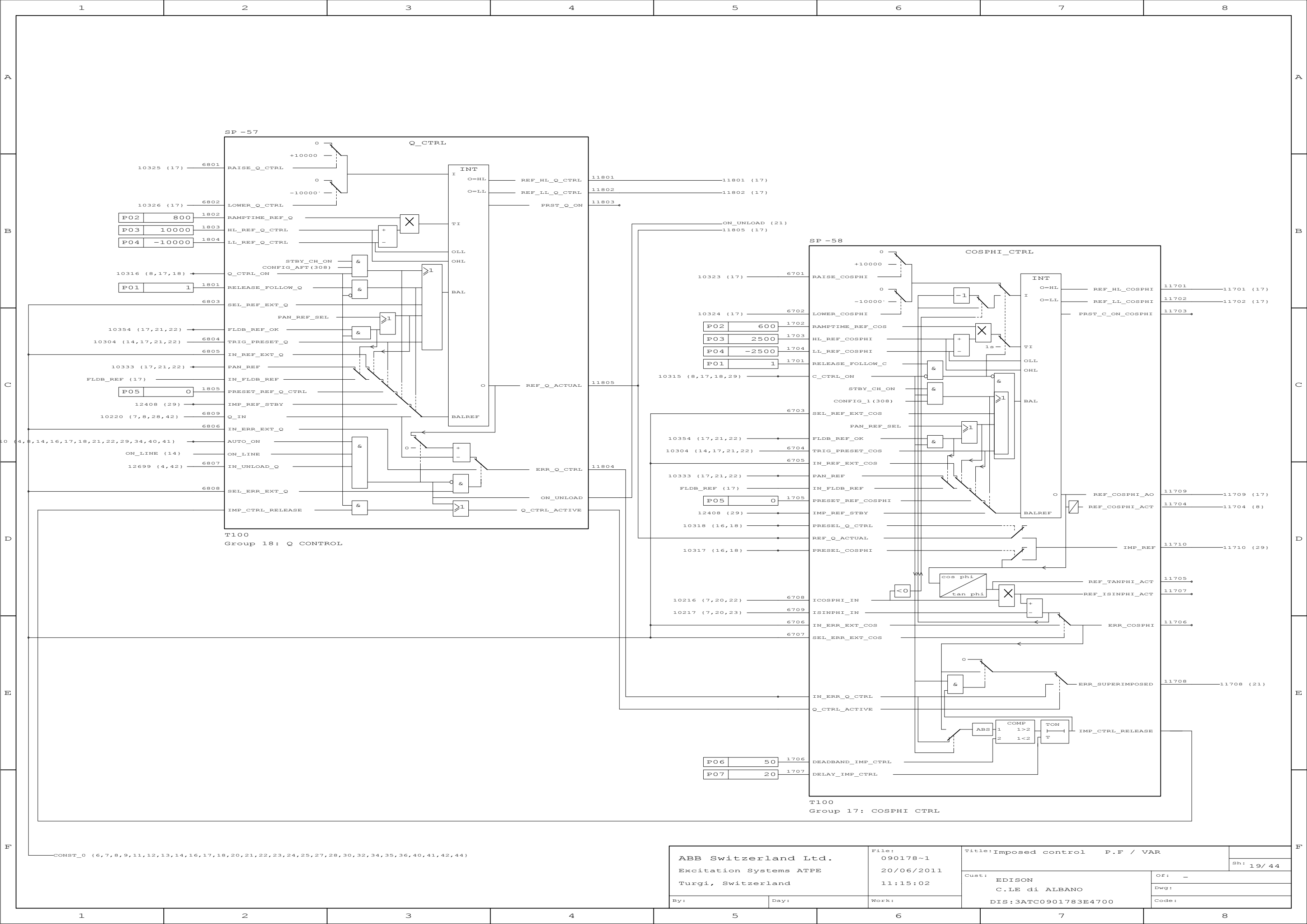


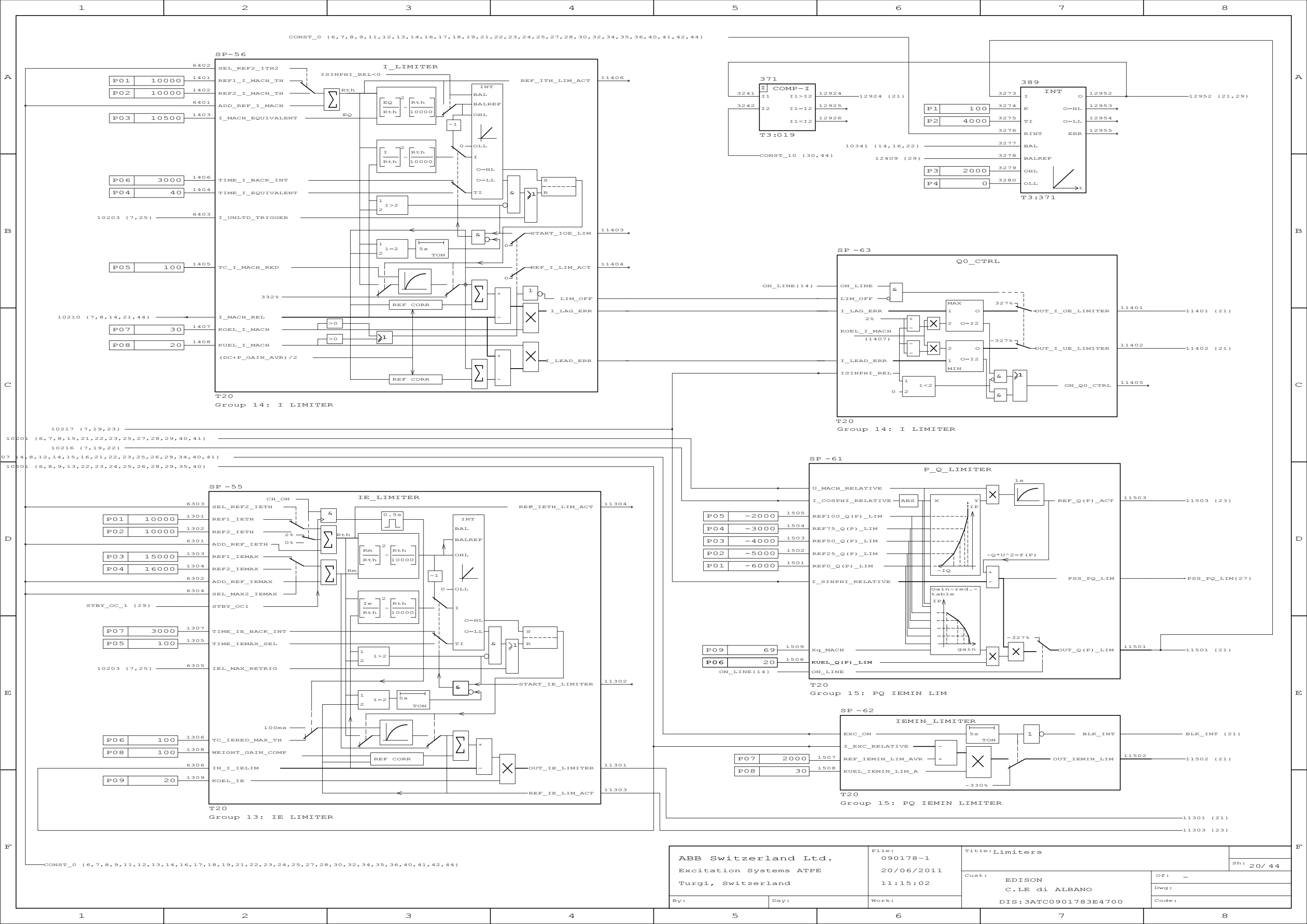


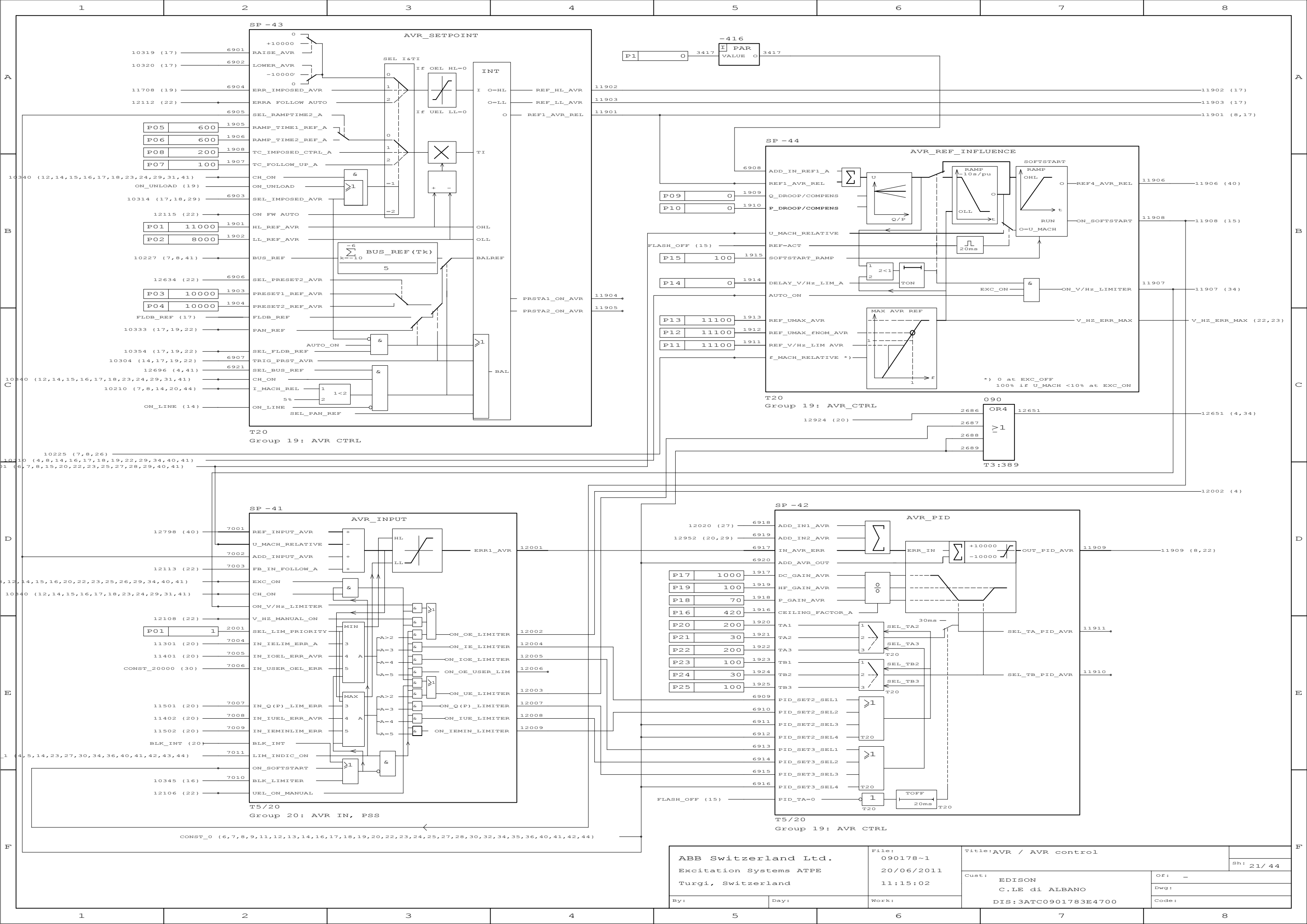


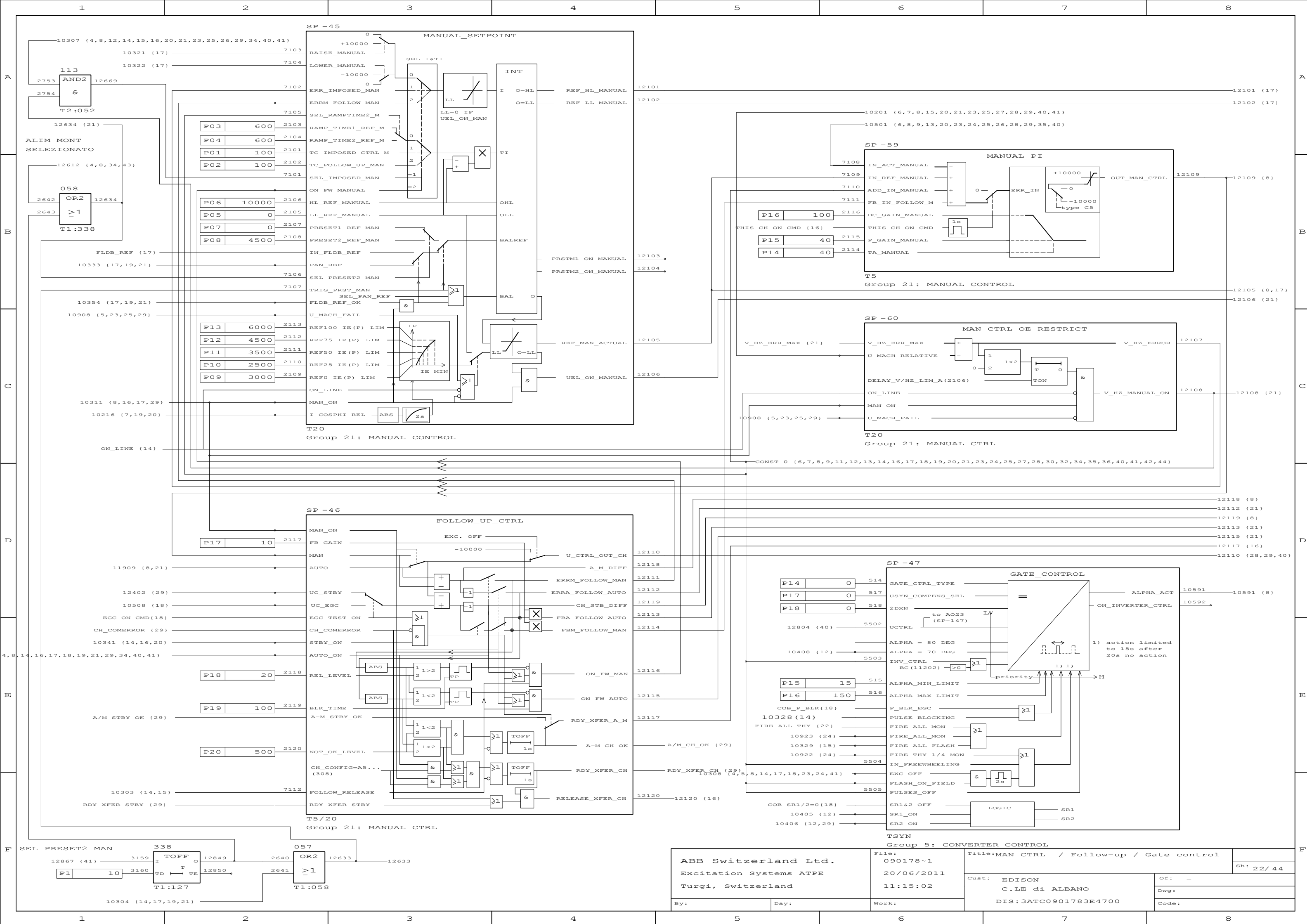


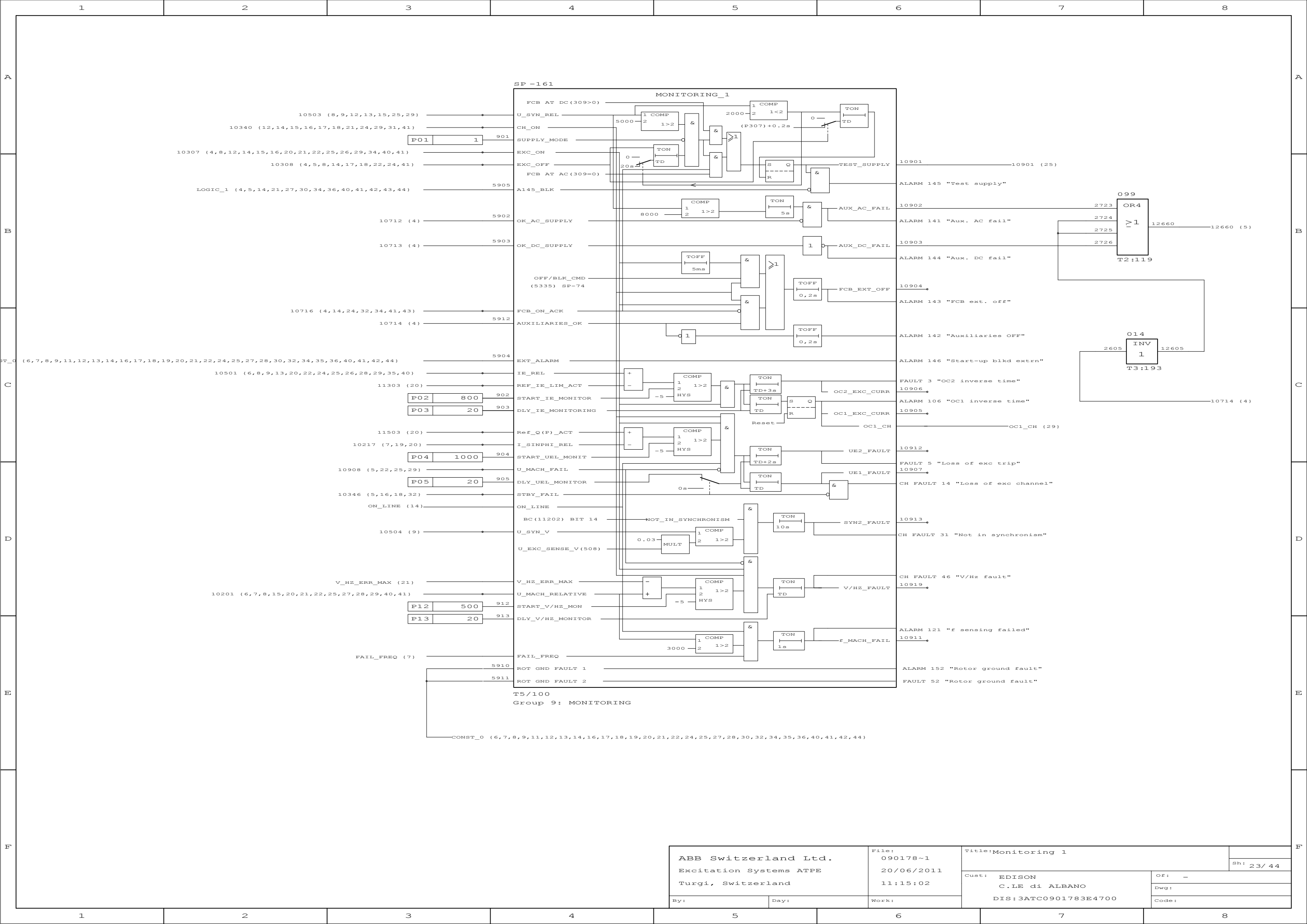


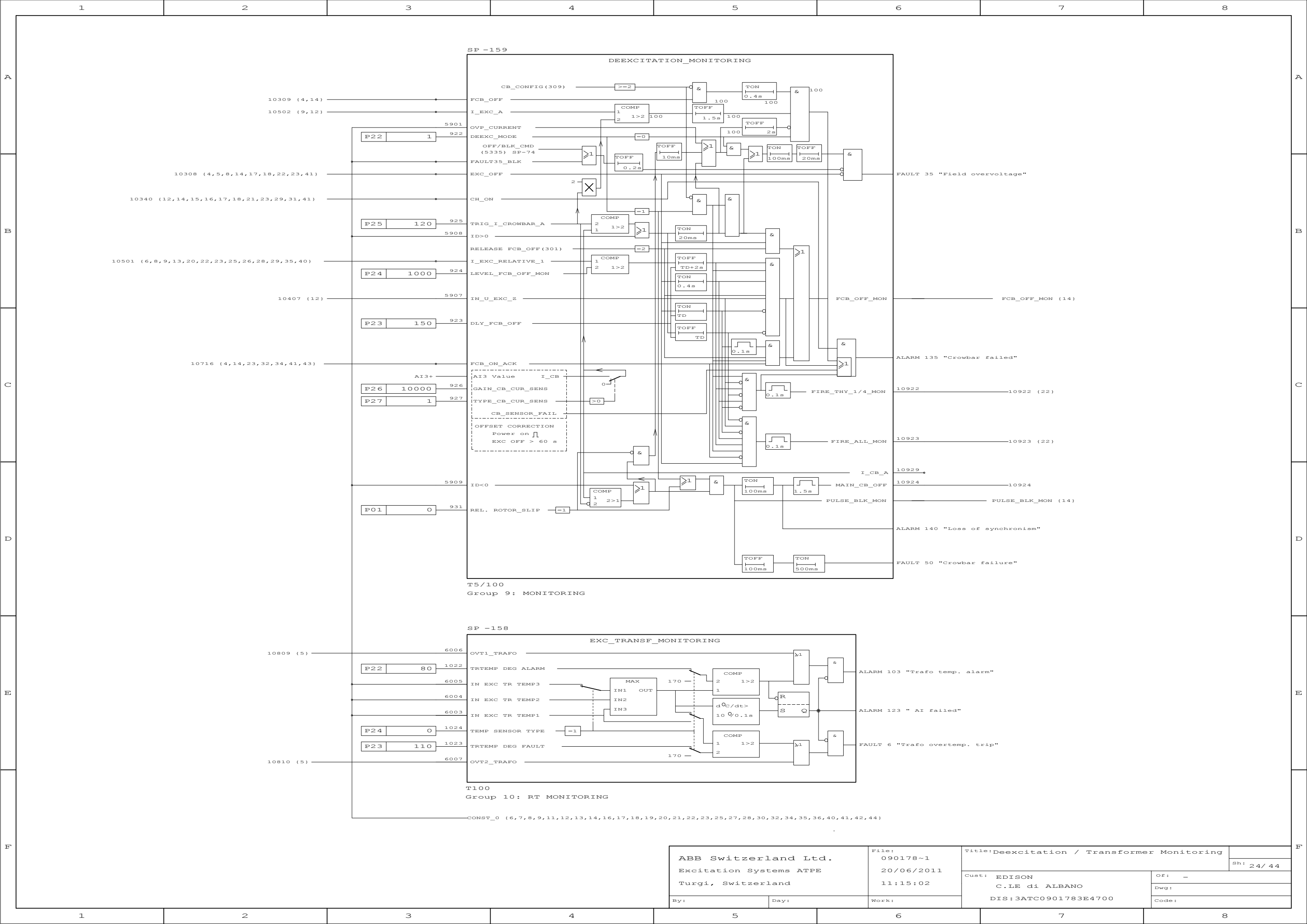




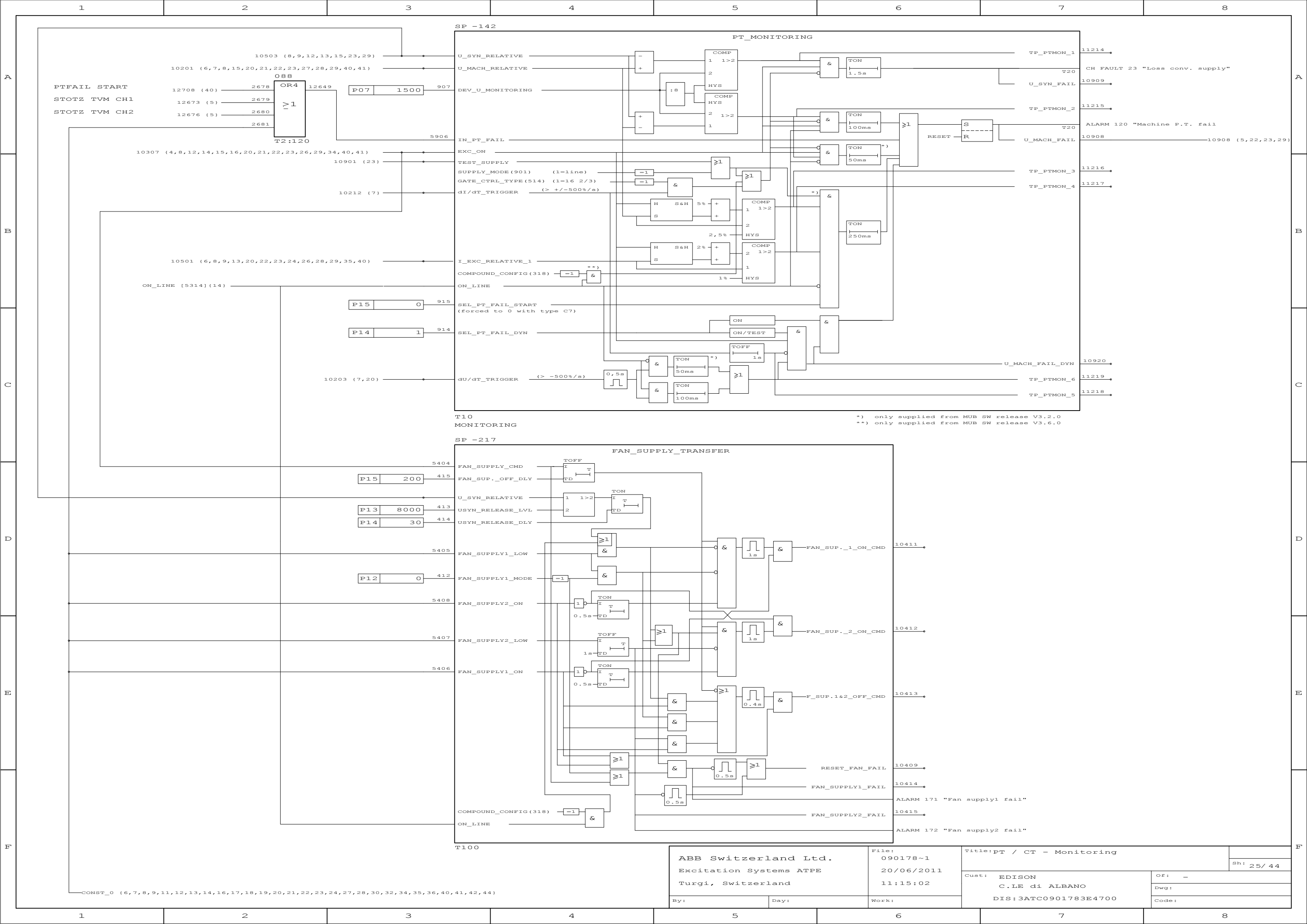


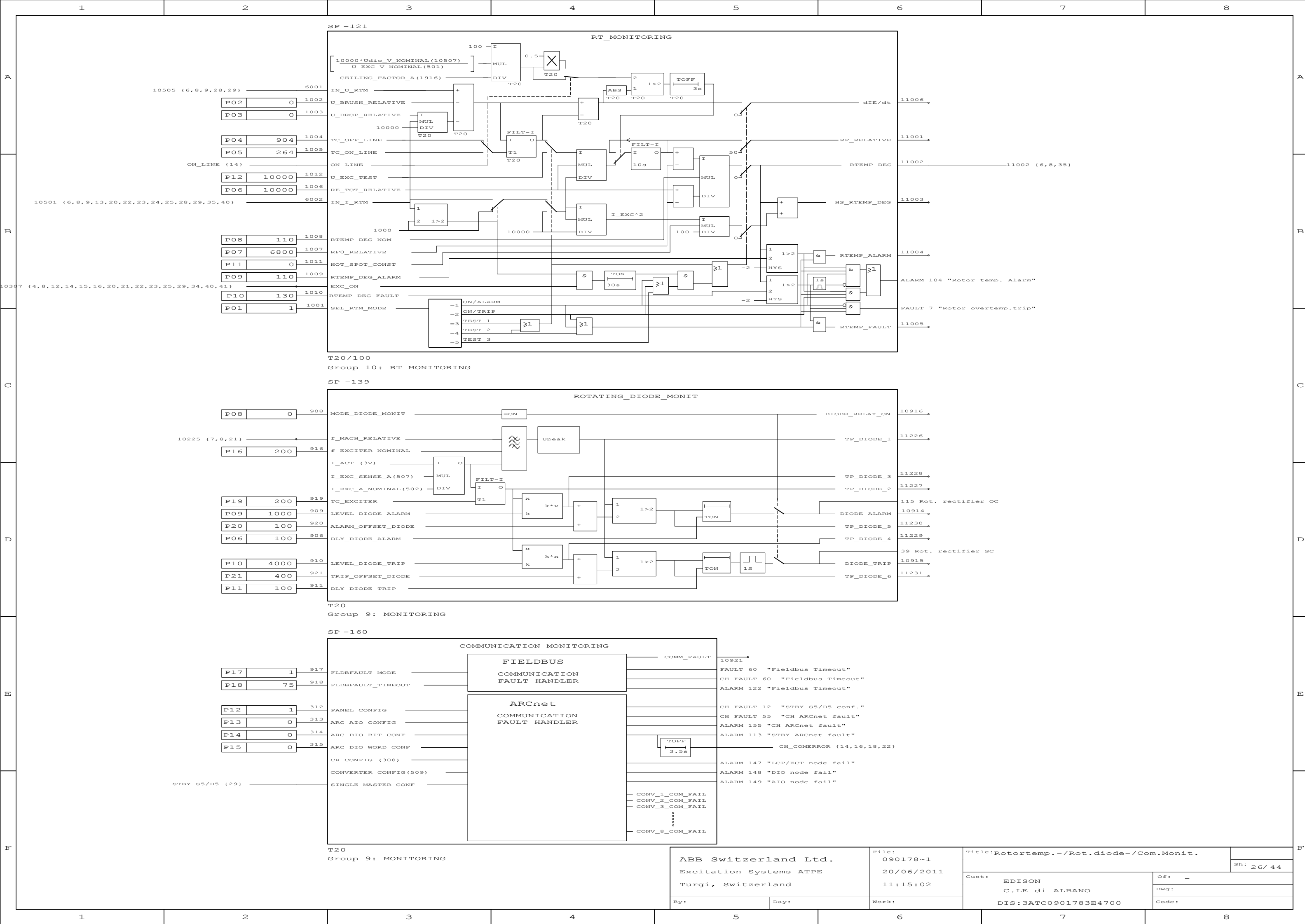


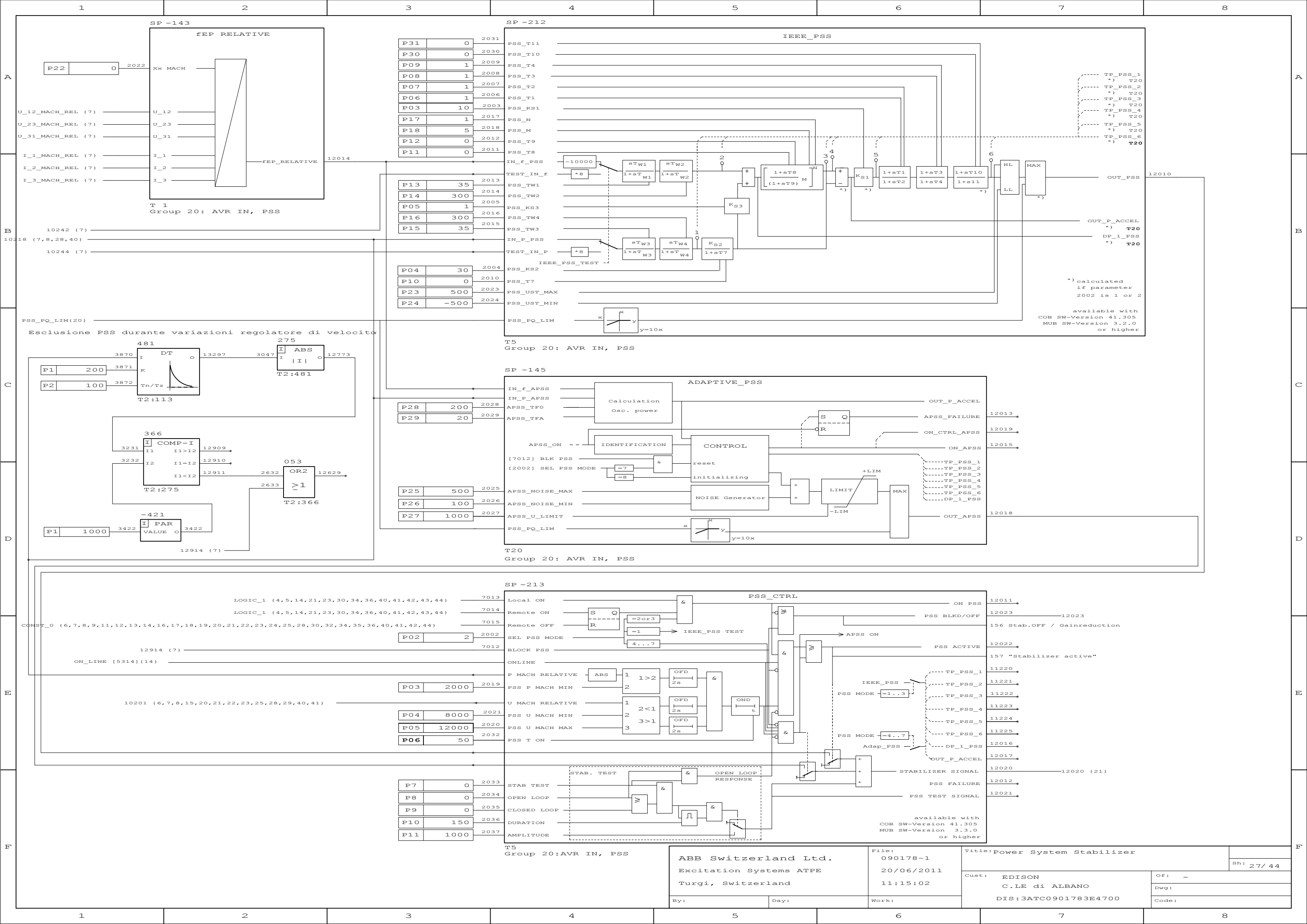




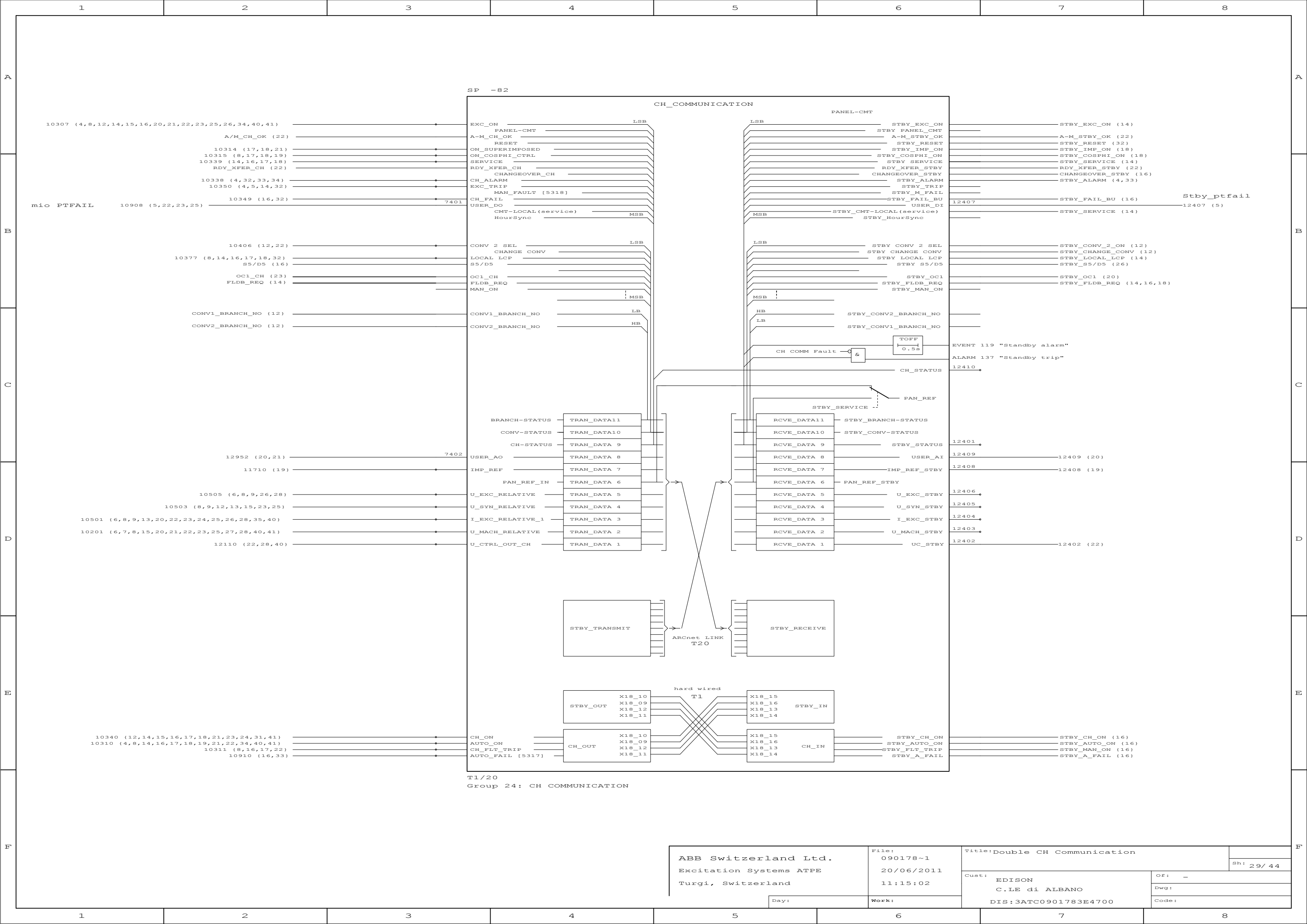


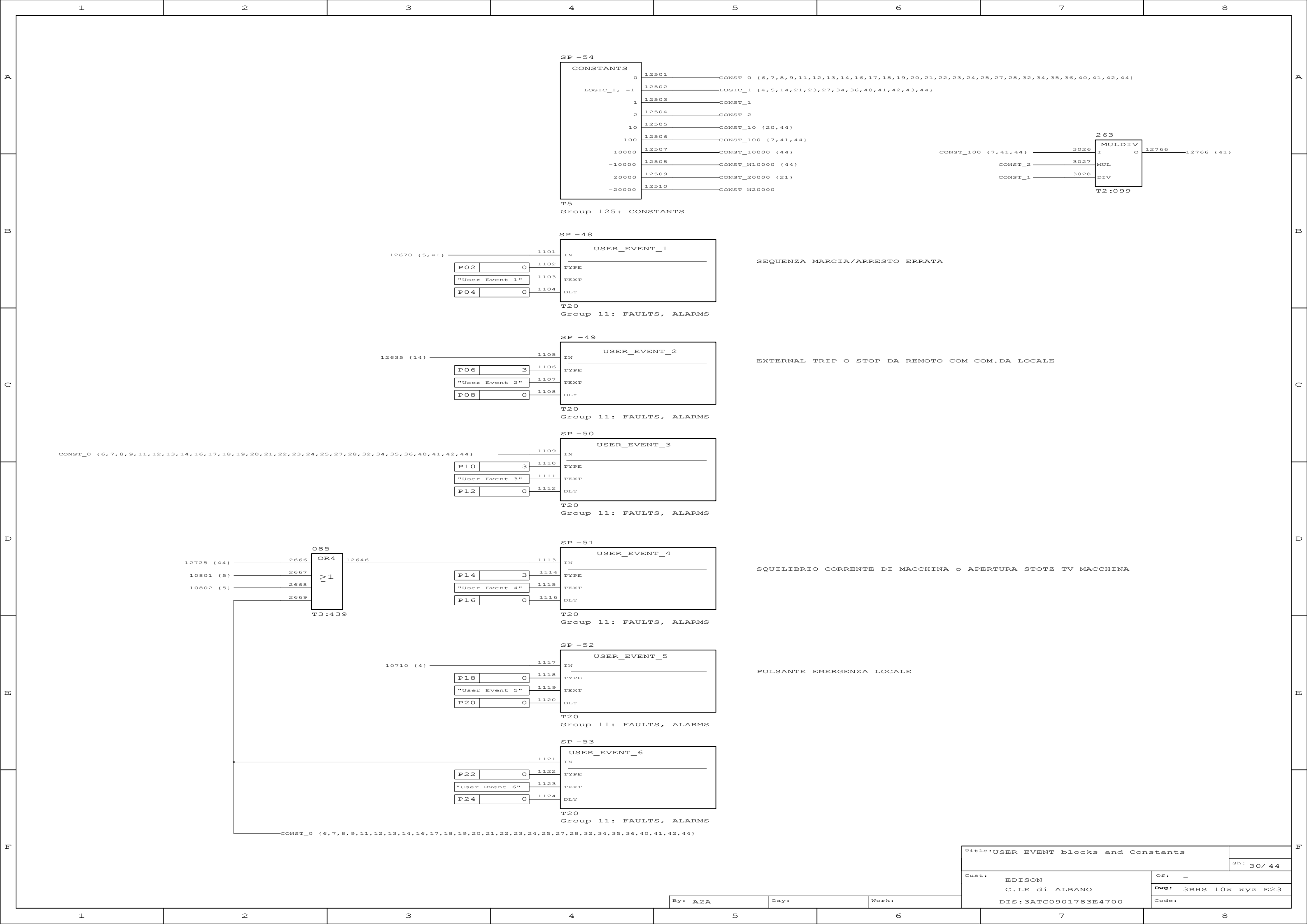








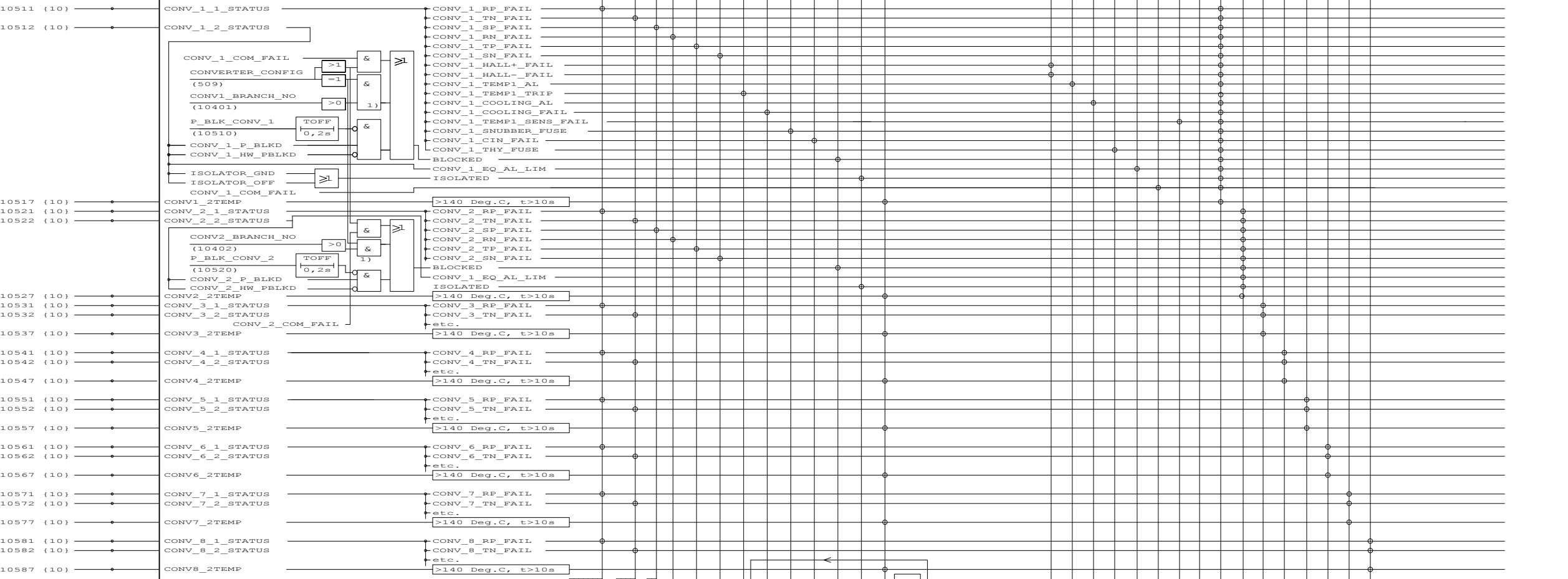




SP -153

1) This function is only implemented for  
Converter No. 1 & 2 (TWIN CONVERTER config.)

CIN\_ALARM



ALARM WORDS / ALARM NO.3

ALARM WORDS / ALARM NO.4

- 197 "CONV fail. level1"
- 198 "CONV fail. level2"
- 181 "Branch R+ failure"
- 182 "Branch T- failure"
- 183 "Branch S+ failure"
- 184 "Branch R- failure"
- 185 "Branch T+ failure"
- 186 "Branch S- failure"
- 188 "Overtemp Trip"
- 190 "Cooling Trip"
- 192 "Snubber failure"
- 193 "CIN failure"
- 196 "Converter blocked"
- 194 "Converter isolated"
- 149 "AIO node fail"
- 148 "DIO node fail"

- 15 168 "CONVERTER 8"
- 14 167 "CONVERTER 7"
- 13 166 "CONVERTER 6"
- 12 165 "CONVERTER 5"
- 11 164 "CONVERTER 4"
- 10 163 "CONVERTER 3"
- 9 162 "CONVERTER 2"
- 8 161 "CONVERTER 1"
- 7 147 "LCP Node fail"
- 6 178 "Temp 1/2 sensor fail"
- 5 195 "ARCnet node fail"
- 4 180 "Thyristor fuse fail"
- 3 189 "Cooling Alarm"
- 2 187 "Overtemp. Alarm"
- 1 191 "Current Sensor fail"
- 0

P28	1	928
P29	1	929
P30	2	930

SET\_FAIL\_LEVEL\_1  
SET\_FAIL\_LEVEL\_2  
SET\_FAIL\_LEVEL\_3

CH-ON

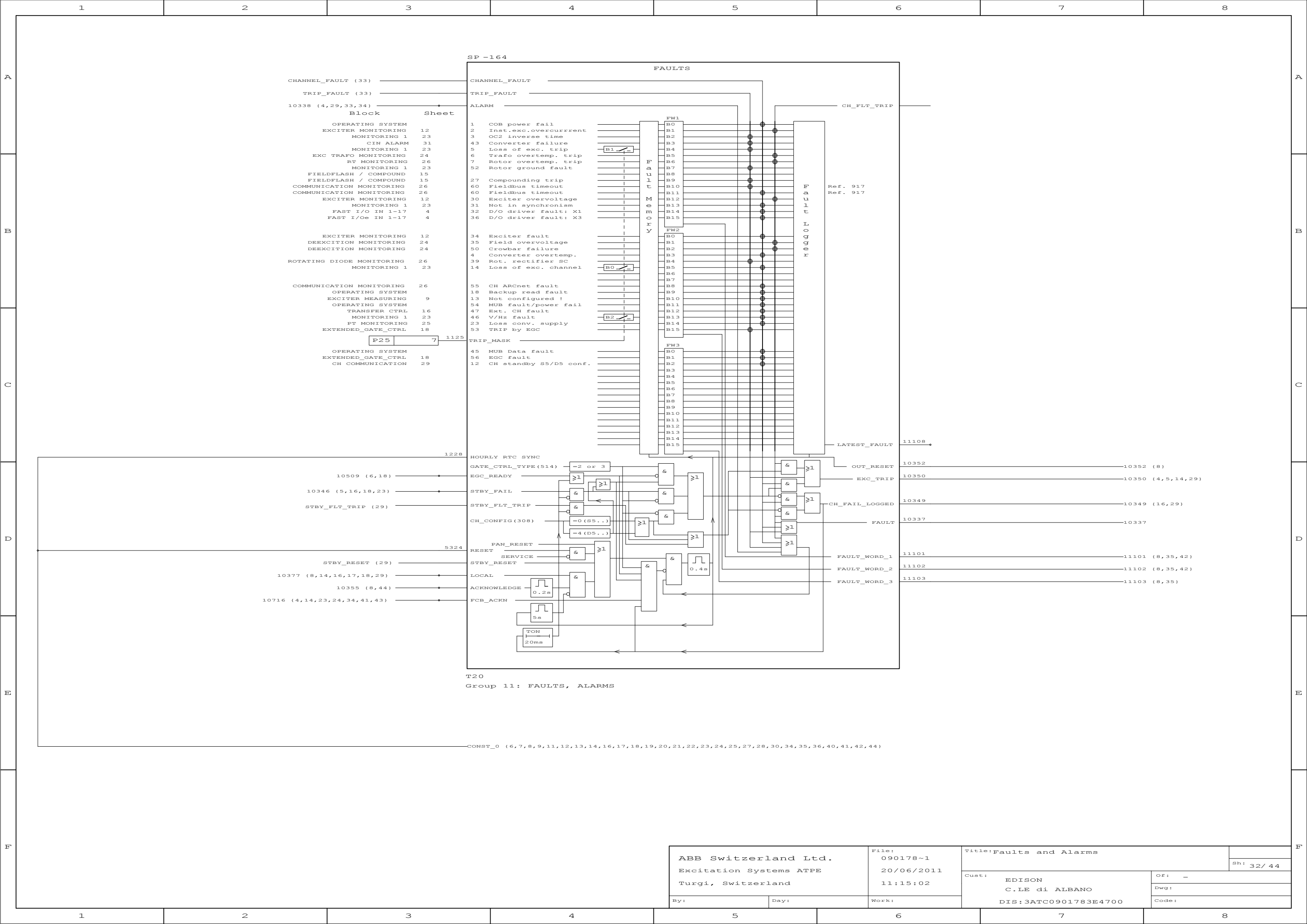
RESET

TON  
2s

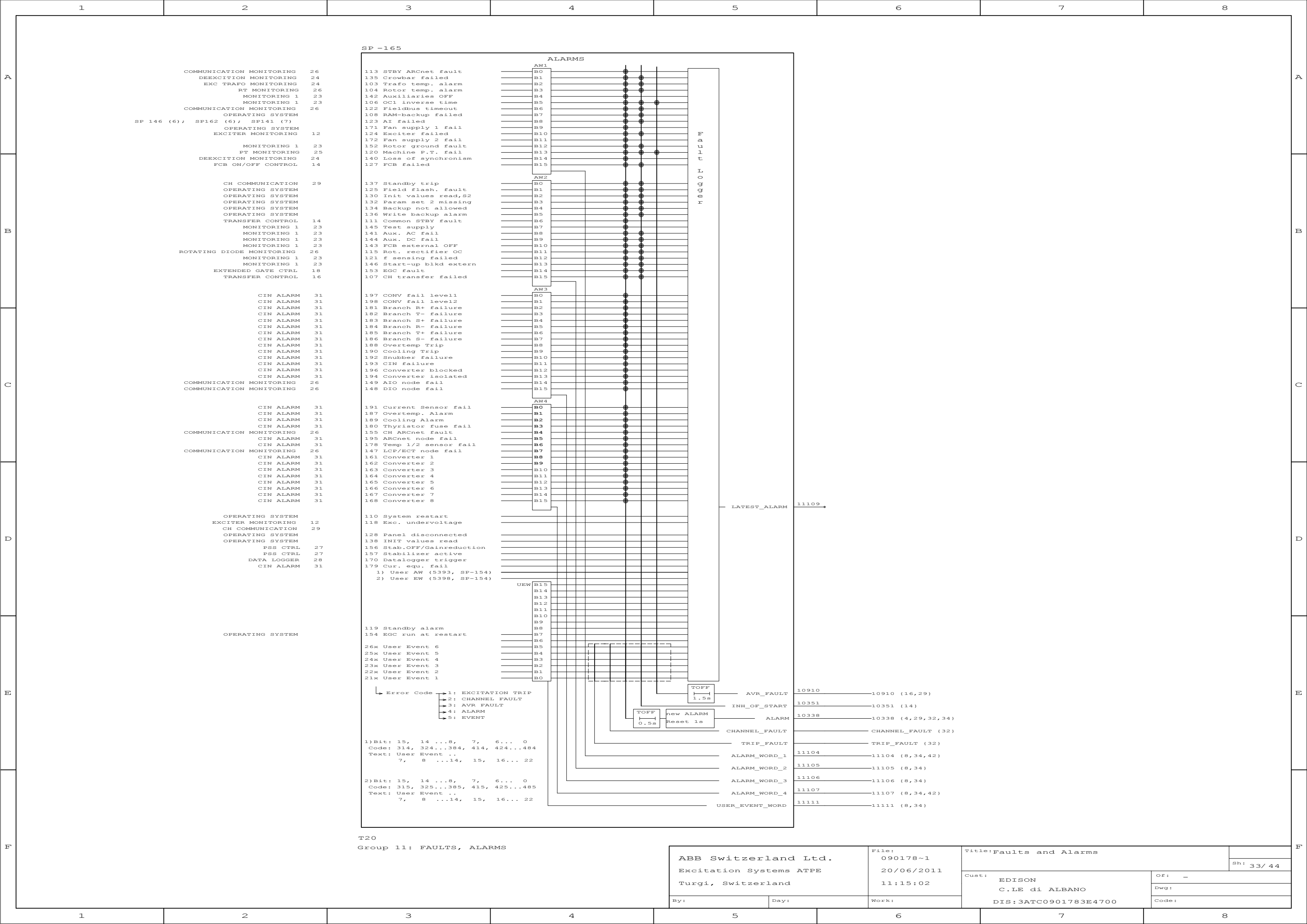
T20

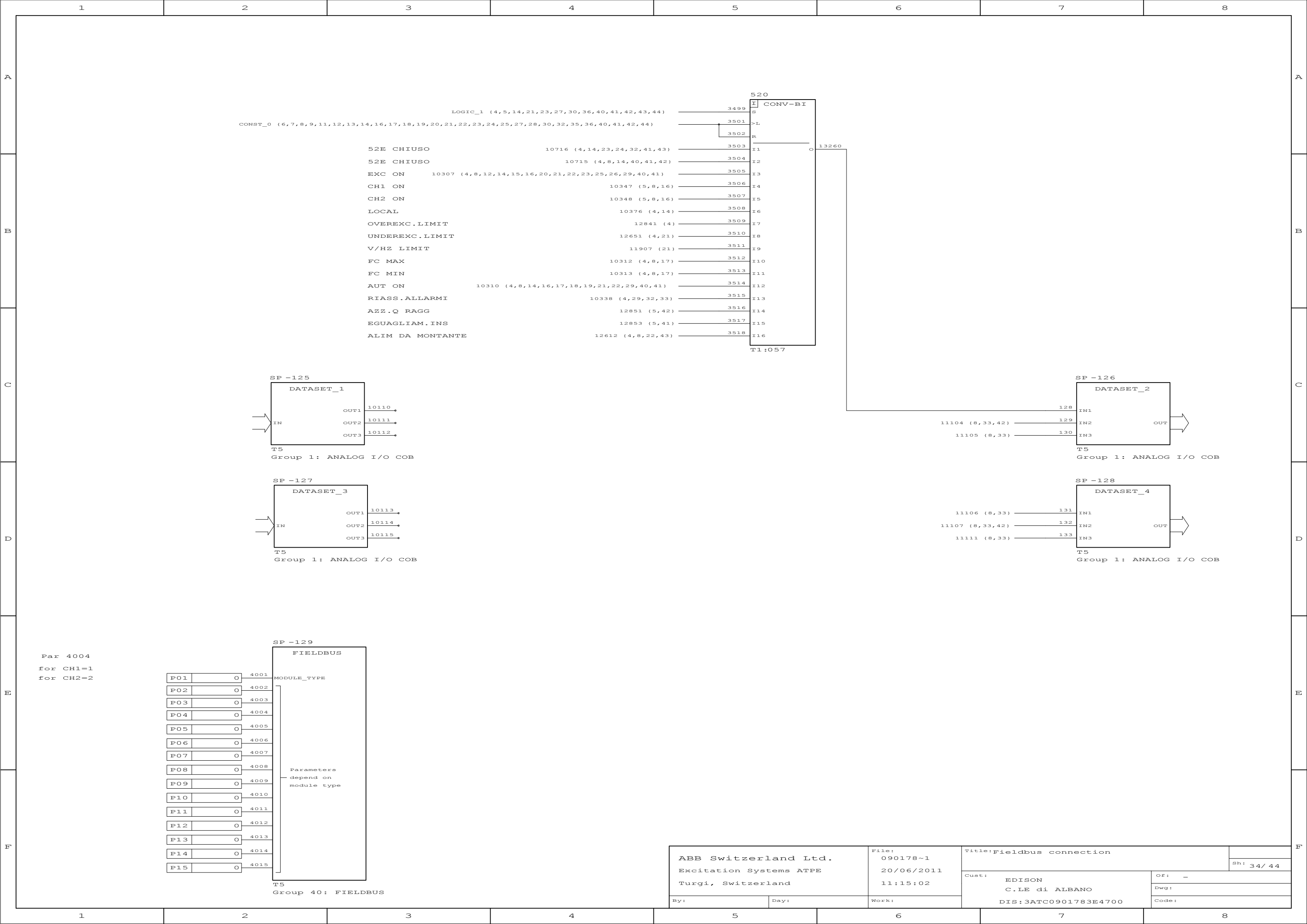
Group 9: MONITORING

ABB Switzerland Ltd. Excitation Systems ATPE Turgi, Switzerland		File: 090178~1 20/06/2011 11:15:02	Title: Converter supervision Cust: EDISON C.LE di ALBANO DIS:3ATC0901783E4700		Sh: 31/ 44 Of: - Dwg: Code:
By:	Day:	Work:			

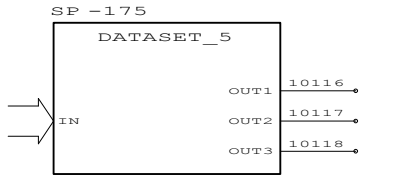




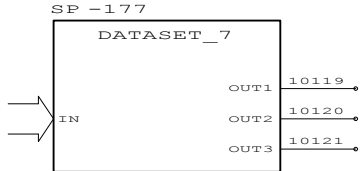




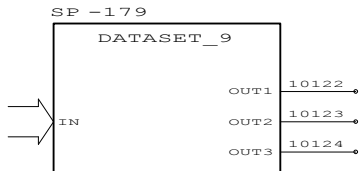
The DATASET's shown on this page are only available if  
the fieldbus communication module supports it.  
(see Parameter 4001 for more information)



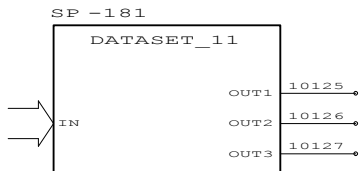
T5  
Group 1: ANALOG I/O COB



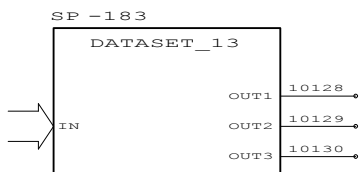
T5  
Group 1: ANALOG I/O COB



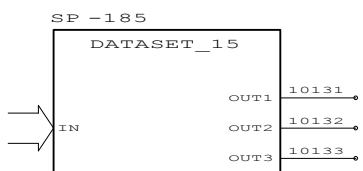
T5  
Group 1: ANALOG I/O COB



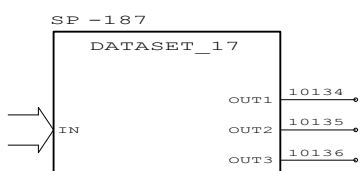
T5  
Group 1: ANALOG I/O COB



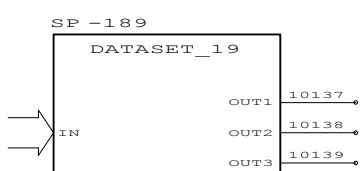
T5  
Group 1: ANALOG I/O COB



T5  
Group 1: ANALOG I/O COB



T5  
Group 1: ANALOG I/O COB



T5  
Group 1: ANALOG I/O COB

CONST\_0 {6,7,8,9,11,12,13,14,16,17,18,19,20,21,22,23,24,25,27,28,30,32,34,36,40,41,42,44}

Corrente di eccitazione  
10501 {6,8,9,13,20,22,23,24,25,26,28,29,40}  
Temperatura rotore  
11002 {6,8,26}

11101 {8,32,42}  
11102 {8,32,42}  
11103 {8,32}

134  
135  
136

IN1  
IN2  
IN3

OUT

SP -176

DATASET\_6

T5  
Group 1: ANALOG I/O COB

SP -178

DATASET\_8

T5  
Group 1: ANALOG I/O COB

SP -180

DATASET\_10

T5  
Group 1: ANALOG I/O COB

SP -182

DATASET\_12

T5  
Group 1: ANALOG I/O COB

SP -184

DATASET\_14

T5  
Group 1: ANALOG I/O COB

SP -186

DATASET\_16

T5  
Group 1: ANALOG I/O COB

SP -188

DATASET\_18

T5  
Group 1: ANALOG I/O COB

SP -190

DATASET\_20

T5  
Group 1: ANALOG I/O COB

137  
138  
139

IN1  
IN2  
IN3

OUT

140  
141  
142

IN1  
IN2  
IN3

OUT

143  
144  
145

IN1  
IN2  
IN3

OUT

146  
147  
148

IN1  
IN2  
IN3

OUT

149  
150  
151

IN1  
IN2  
IN3

OUT

152  
153  
154

IN1  
IN2  
IN3

OUT

155  
156  
157

IN1  
IN2  
IN3

OUT

ABB Switzerland Ltd.  
Excitation Systems ATPE  
Turgi, Switzerland

File:  
090178~1  
20/06/2011  
11:15:02

Title:Fieldbus connection

Cust: EDISON  
C.LE di ALBANO  
DIS:3ATC0901783E4700

Of: -  
Dwg:  
Code:

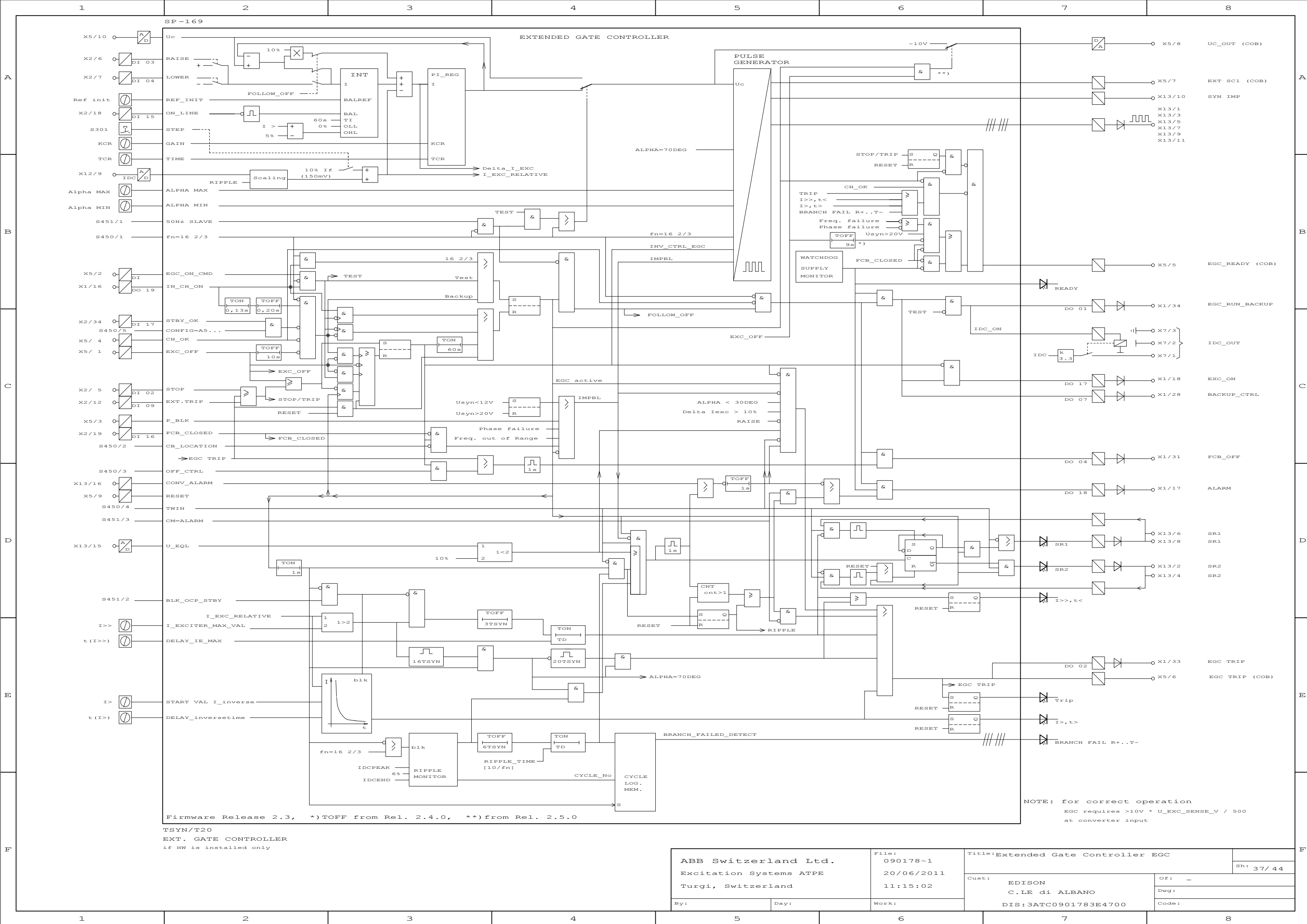
Sh: 35/ 44

By:

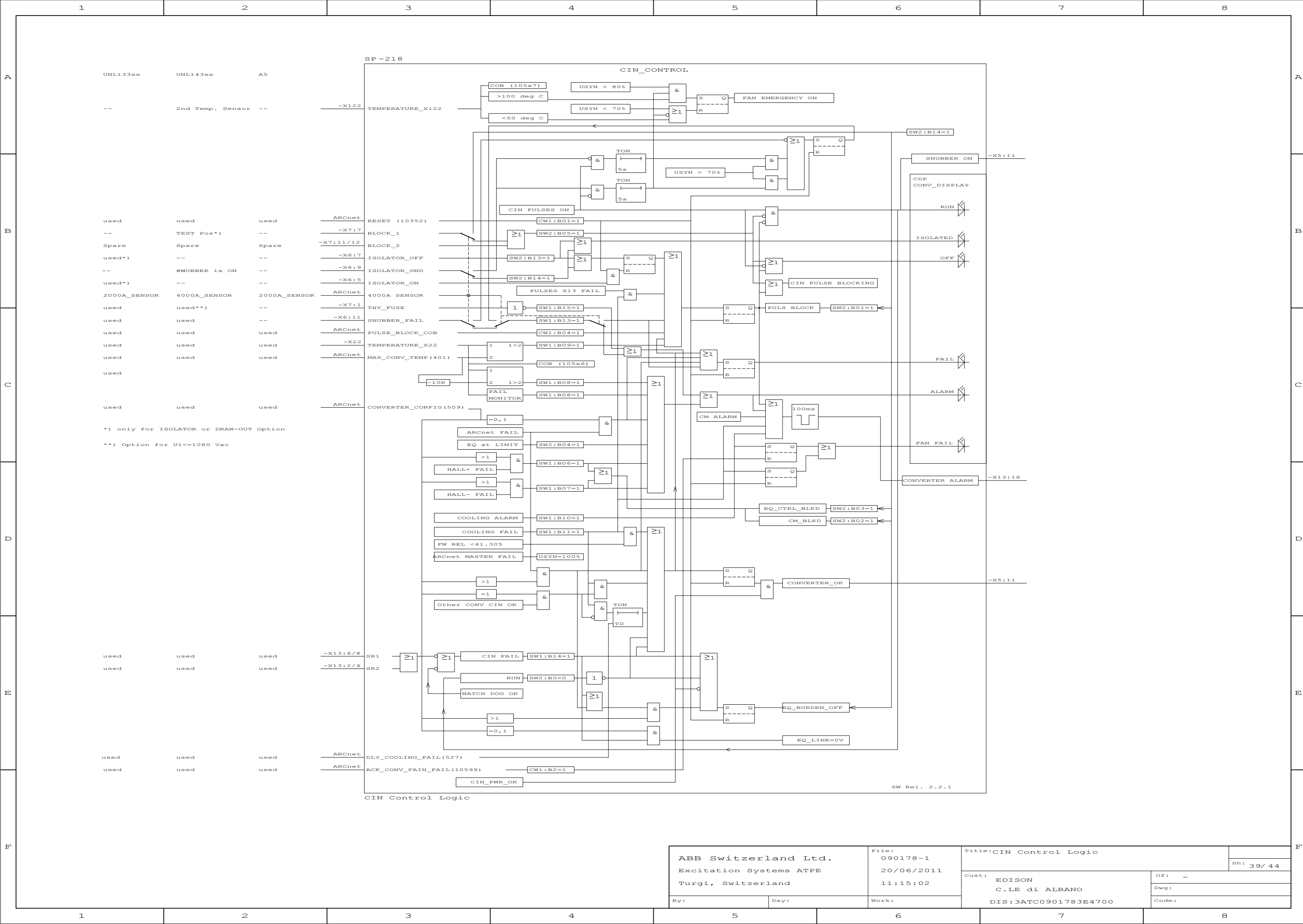
Day:

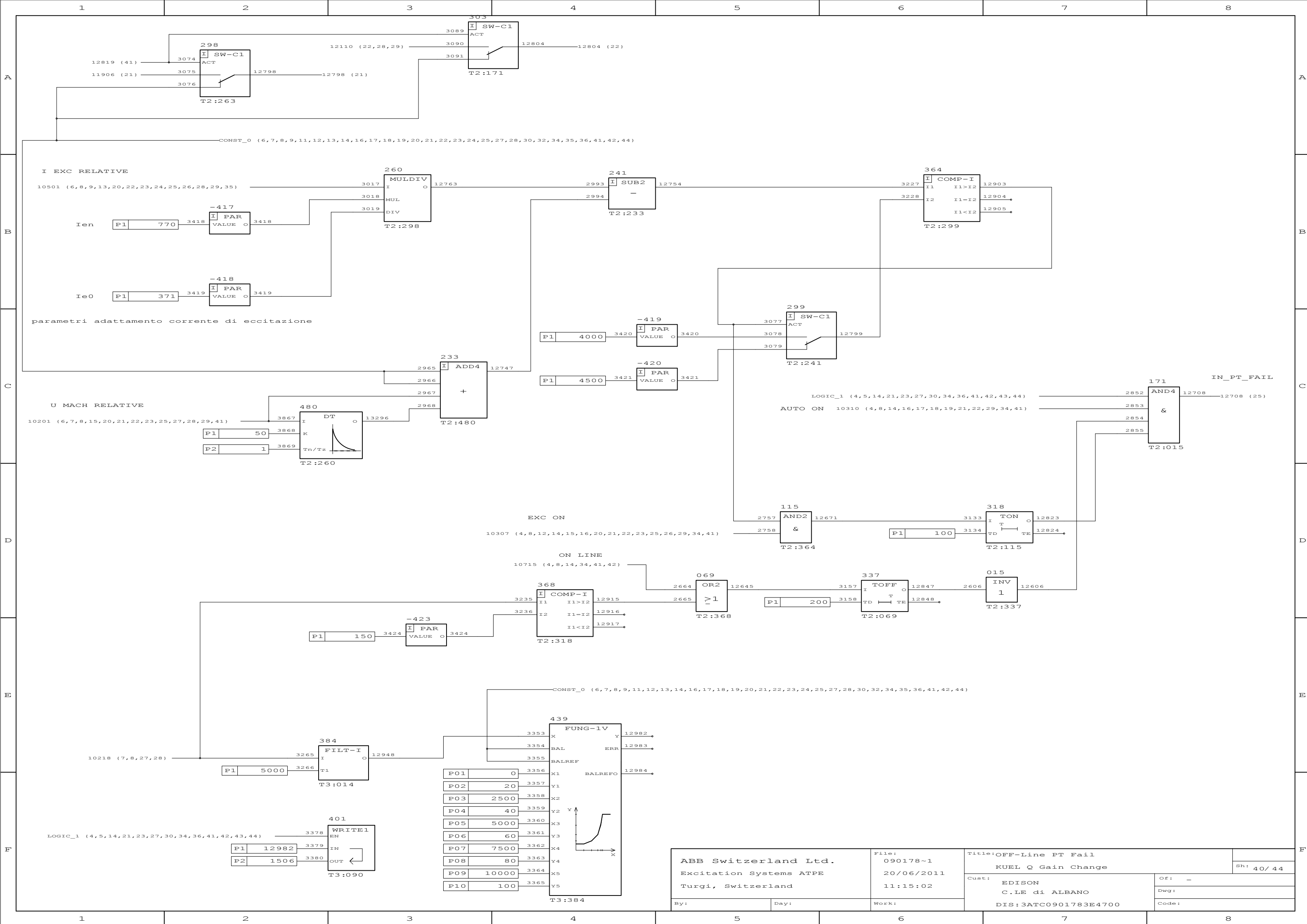
Work:



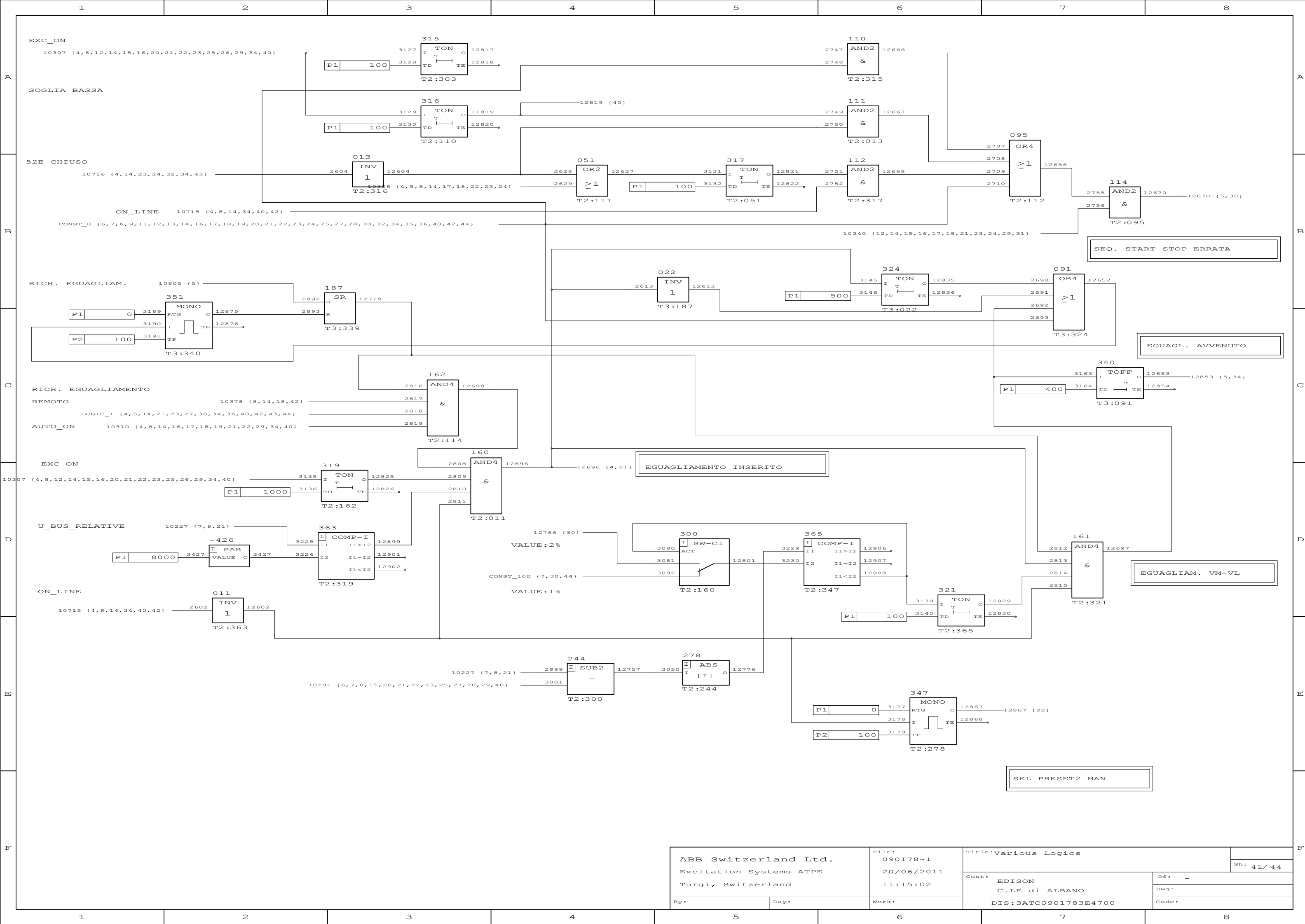


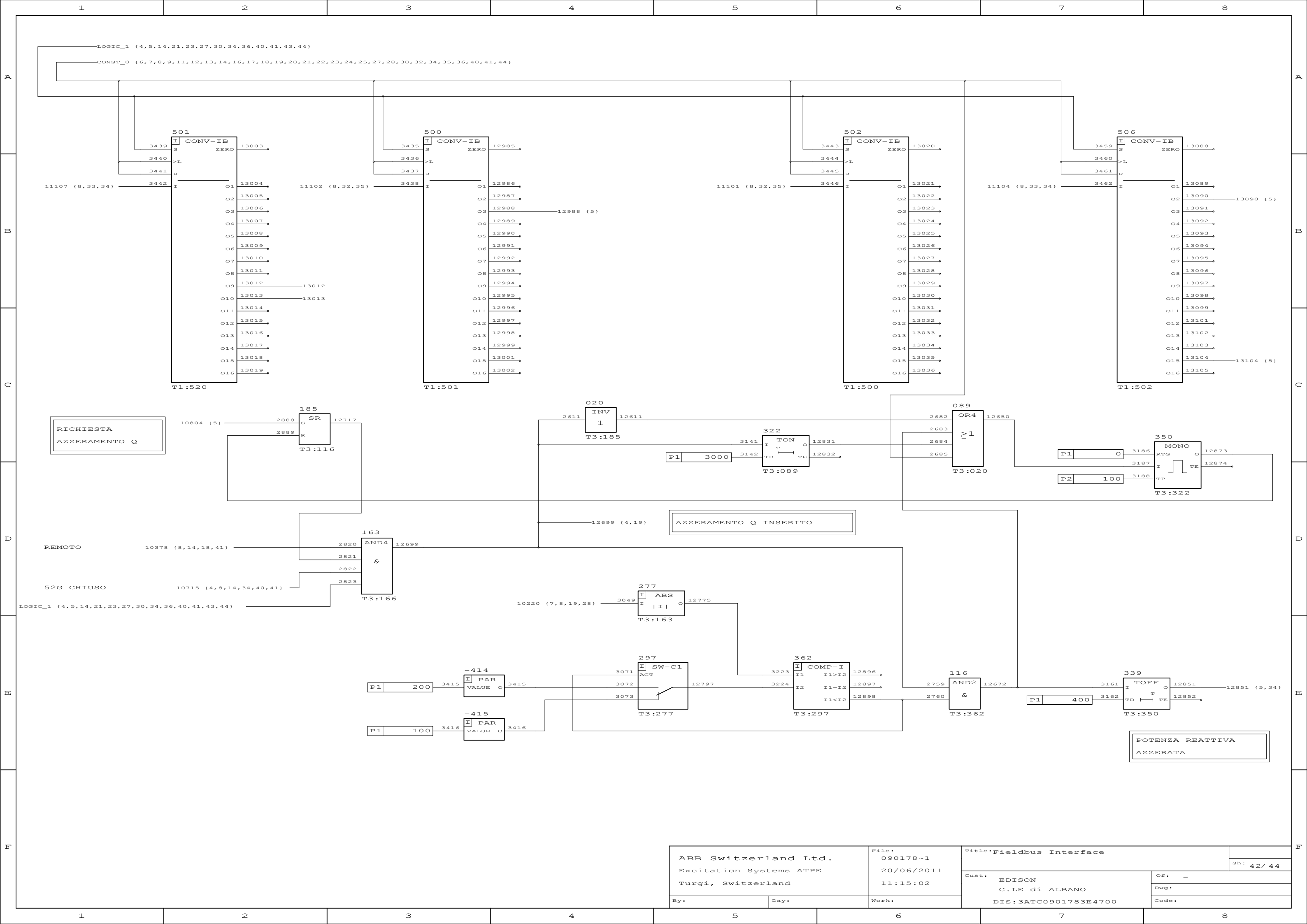


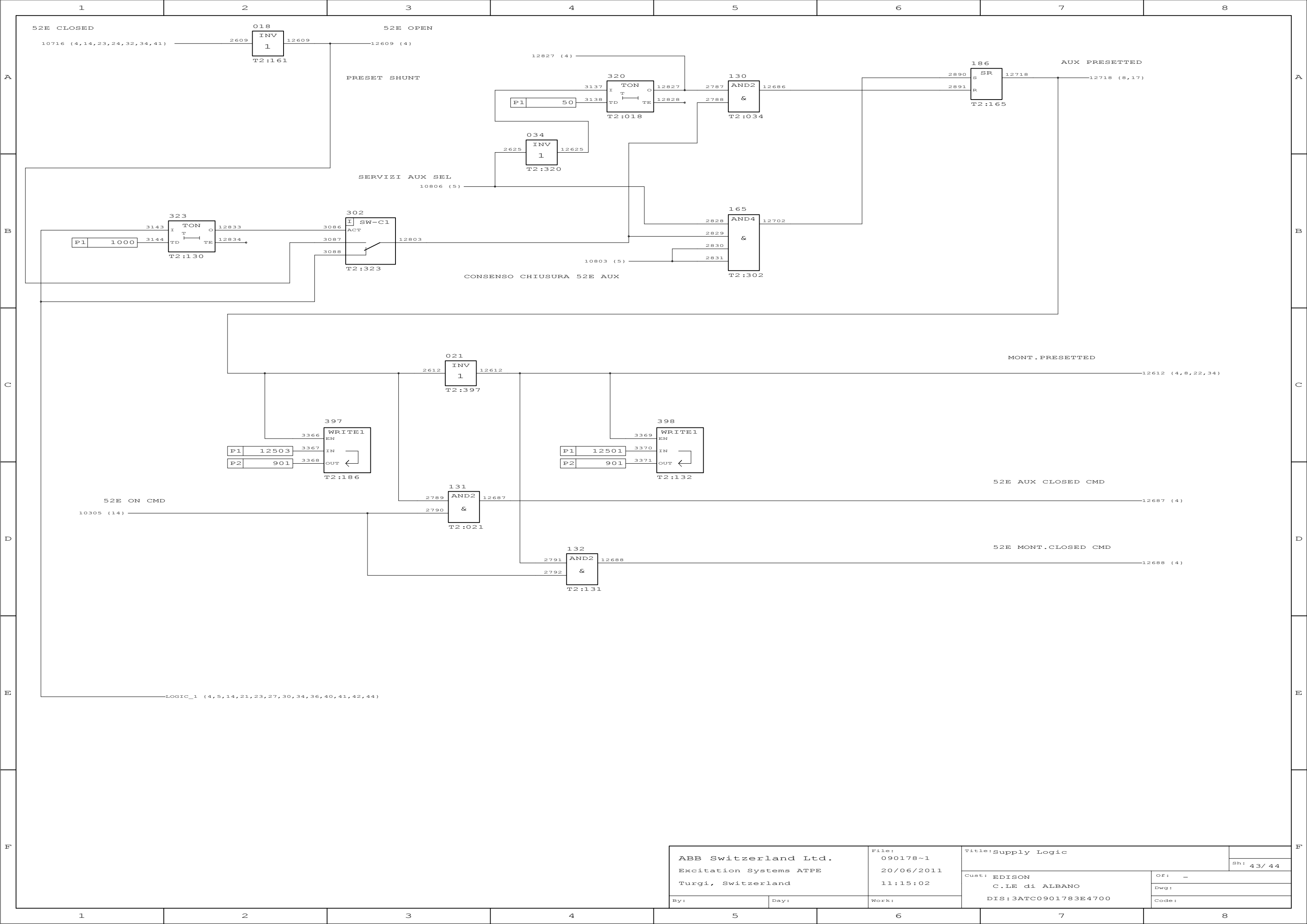












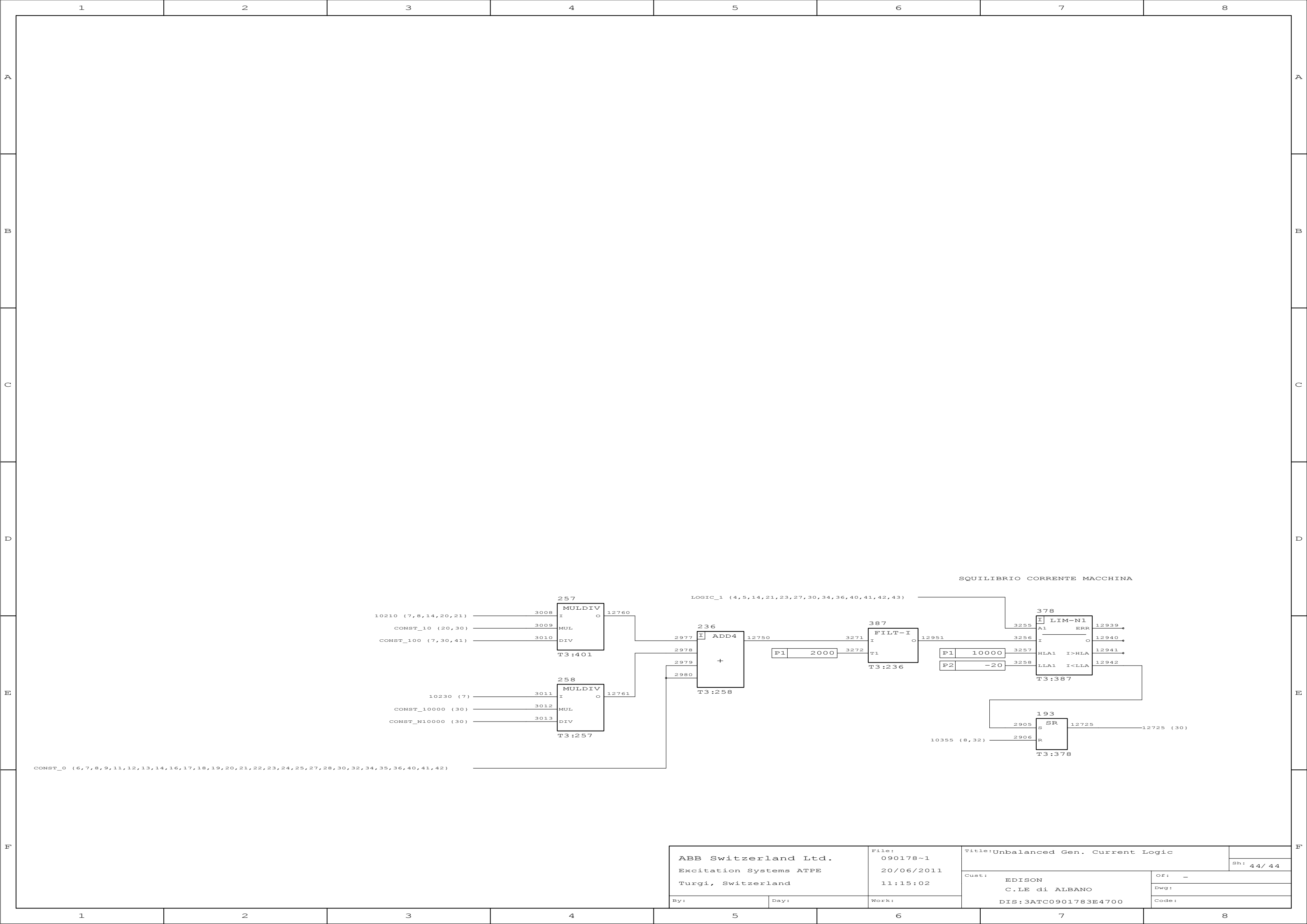


ABB Switzerland Ltd. Excitation Systems ATPE Turgi, Switzerland		File: 090178~1 20/06/2011 11:15:02		Title:Unbalanced Gen. Current Logic		Sh: 44/ 44
				Cust: EDISON C.LE di ALBANO		Of: -
By:		Day:		Work:		Dwg:
				DIS:3ATC0901783E4700		Code: