

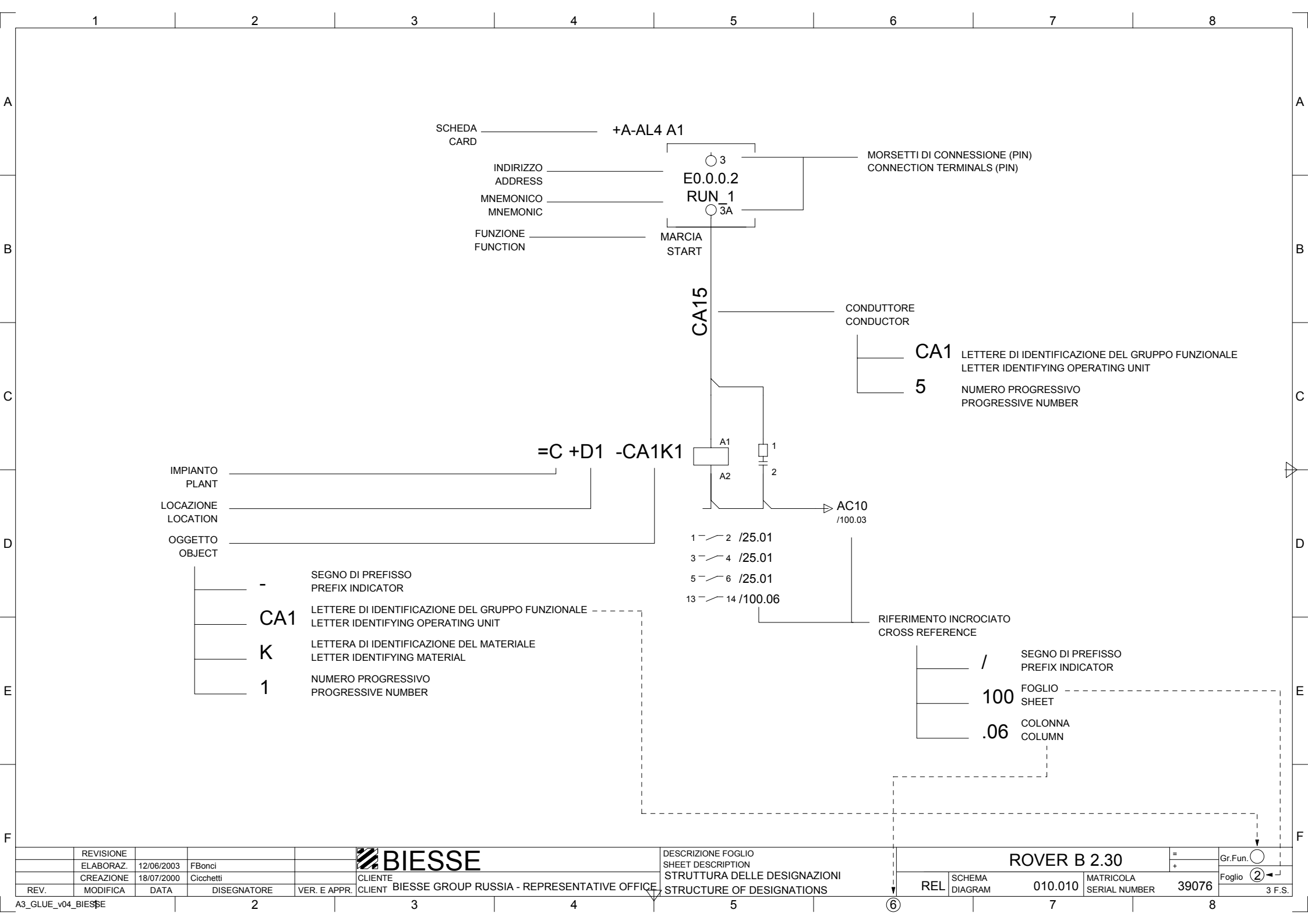
BIESSE

VIA DELLA MECCANICA 16
61100 PESARO
ITALIA

Testata_a3_giue_v03_BIESSE

TIPO MACCHINA MACHINE TYPE	ROVER	ALIMENTAZIONE SUPPLY	3/PE AC 380 V 50 Hz	PAESE DI DESTINAZIONE DESTINATION COUNTRY	RUSSIA	=	A				
MODELLO MODEL	B 2.30	POTENZA INSTALLATA INSTALLED POWER RATING	26,1 kW	COMMITTENTE CUSTOMER	BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE						
MATRICOLA SERIAL NUMBER	39076	CORRENTE DEL CARICO MAGGIORE HIGHER LOAD CURRENT	28 A	ELABORATO DA PROCESSING BY	rsilvestrini	DATA ELABORAZIONE DATE PROCESSING	27/04/2004				
DESCRIZIONE MACCHINA	ROVER B 2.30	CORRENTE A PIENO CARICO FULL-LOAD CURRENT	47 A	NOTE REMARKS	APPROVAZIONE P.M. 2003/014						
		SCHEMA DIAGRAM	010.010	SCOPO DISEGNO DRAWING SCOPE	REL	N. PAGINE NO. OF PAGES	109	FOGLIO SHEET	1	SEGUE N. CONTINUATION N.	2

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- SEGNO DI PREFISSO PREFIX INDICATOR

CA1 LETTERE DI IDENTIFICAZIONE DEL GRUPPO FUNZIONALE LETTER IDENTIFYING OPERATING UNIT

K LETTERA DI IDENTIFICAZIONE DEL MATERIALE LETTER IDENTIFYING MATERIAL

1 NUMERO PROGRESSIVO PROGRESSIVE NUMBER

/ SEGNO DI PREFISSO PREFIX INDICATOR

100 FOGLIO SHEET

.06 COLONNA COLUMN

REVISIONE	ELABORAZ.	12/06/2003	FBonci		DESCRIZIONE FOGLIO SHEET DESCRIPTION	ROVER B 2.30	Gr.Fun.	①				
CREAZIONE	18/07/2000	Cicchetti	CLIENTE CLIENT		STRUTTURA DELLE DESIGNAZIONI STRUCTURE OF DESIGNATIONS	REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio ②	3 F.S.
REV.	MODIFICA	DATA	DISEGNATORE		VER. E APPR.	CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE						

1	2		3		4	5	6		7	8
GR. FUN. FUNCT. UN.	DESCRIZIONE FOGLIO SHEET DESCRIPTION		ELABORAZIONE PROCESSING		FOGLIO SHEET	GR. FUN. FUNCT. UN.	DESCRIZIONE FOGLIO SHEET DESCRIPTION		ELABORAZIONE PROCESSING	FOGLIO SHEET
	Copertina Cover		12/06/2003 12/06/2003		1 1	AG1	LINEA 24Vdc 24Vdc LINE		26/04/2004 26/04/2004	95 95
	STRUTTURA DELLE DESIGNAZIONI STRUCTURE OF DESIGNATIONS		12/06/2003 12/06/2003		2 2	AG1	LINEA 24Vdc 24Vdc LINE		26/04/2004 26/04/2004	96 96
	Indice: (1 - 149) Contents: (1 - 149)		27/04/2004 27/04/2004		3 3	AJ1	LINEA 220Vac 220Vac LINE		26/04/2004 26/04/2004	100 100
	Indice: (160 - 871) Contents: (160 - 871)		27/04/2004 27/04/2004		4 4	AJ5	PRESA AUSILIARIA AUXILIARY PLUG		26/04/2004 26/04/2004	110 110
	Indice: (880 - 30004) Contents: (880 - 30004)		27/04/2004 27/04/2004		5 5	AL1	CONTROLLO NUMERICO NUMERICAL CONTROL		26/04/2004 26/04/2004	120 120
	Lista simboli: (PLC1 - HB)		12/06/2003 12/06/2003		20 20	AL1	CONTROLLO NUMERICO NUMERICAL CONTROL		26/04/2004 26/04/2004	121 121
	Lista simboli: (K - PV)		12/06/2003 12/06/2003		21 21	AL1	CONTROLLO NUMERICO NUMERICAL CONTROL		26/04/2004 26/04/2004	123 123
	Lista simboli: (QL3 - S01)		12/06/2003 12/06/2003		22 22	AL1	CONTROLLO NUMERICO NUMERICAL CONTROL		26/04/2004 26/04/2004	126 126
	Lista simboli: (S00100 - Nucleo)		12/06/2003 12/06/2003		23 23	AL4	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES		26/04/2004 26/04/2004	129 129
	TABELLA TABLE		26/04/2004 26/04/2004		47 47	AL4	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES		26/04/2004 26/04/2004	130 130
	TABELLA TABLE		26/04/2004 26/04/2004		48 48	AL4	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES		26/04/2004 26/04/2004	135 135
	UBICAZIONI POSITIONS		26/04/2004 26/04/2004		49 49	AL4	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES		26/04/2004 26/04/2004	136 136
AA1	ALIMENTAZIONE GENERALE MAIN POWER SUPPLY		26/04/2004 26/04/2004		50 50	AL4	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES		26/04/2004 26/04/2004	137 137
AA1	ALIMENTAZIONE GENERALE MAIN POWER SUPPLY		26/04/2004 26/04/2004		51 51	AL4	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES		26/04/2004 26/04/2004	138 138
AA1	ALIMENTAZIONE GENERALE MAIN POWER SUPPLY		26/04/2004 26/04/2004		53 53	AL4	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES		26/04/2004 26/04/2004	141 141
AA1	ALIMENTAZIONE GENERALE MAIN POWER SUPPLY		26/04/2004 26/04/2004		54 54	AL4	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES		26/04/2004 26/04/2004	142 142
AG1	LINEA 24Vdc 24Vdc LINE		26/04/2004 26/04/2004		89 89	AL4	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES		26/04/2004 26/04/2004	143 143
AG1	LINEA 24Vdc 24Vdc LINE		26/04/2004 26/04/2004		90 90	AL4	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES		26/04/2004 26/04/2004	145 145
AG1	LINEA 24Vdc 24Vdc LINE		26/04/2004 26/04/2004		91 91	AL4	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES		26/04/2004 26/04/2004	146 146
AG1	LINEA 24Vdc 24Vdc LINE		26/04/2004 26/04/2004		92 92	AL4	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES		26/04/2004 26/04/2004	148 148
AG1	LINEA 24Vdc 24Vdc LINE		26/04/2004 26/04/2004		93 93	AL4	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES		26/04/2004 26/04/2004	149 149
F	REVISIONE		ELABORAZ. 27/04/2004		rsilvestrini	DESCRIZIONE FOGLIO SHEET DESCRIPTION	ROVER B 2.30		Gr.Fun.	
	CREAZIONE 01/08/2001		Cicchetti		CLIENTE	Indice: (1 - 149)	REL SCHEMA DIAGRAM 010.010		Foglio 3	
	MODIFICA DATA		DISEGNATORE		VER. E APPR.	CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE	MATRICOLA SERIAL NUMBER 39076		4 F.S.	
A3_GLUE_v04_BIESSE	2		3		4	5	6		7	8

1	2		3		4		5	6		7	8		
GR. FUN. FUNCT. UN.	DESCRIZIONE FOGLIO SHEET DESCRIPTION		ELABORAZIONE PROCESSING		FOGLIO SHEET		GR. FUN. FUNCT. UN.	DESCRIZIONE FOGLIO SHEET DESCRIPTION		ELABORAZIONE PROCESSING		FOGLIO SHEET	
													A3_INDICE_V01
A	AP1	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT		26/04/2004	160	26/04/2004	160	BC1	BLOCCAGGIO PEZZO AREA SX1 AREA SX1 PIECE LOCKING		26/04/2004	381	381
	AP1	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT		26/04/2004	161	26/04/2004	161	BF1	BLOCCAGGIO PEZZO AREA DX1 AREA DX1 PIECE LOCKING		26/04/2004	400	400
	AP1	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT		26/04/2004	162	26/04/2004	162	BF1	BLOCCAGGIO PEZZO AREA DX1 AREA DX1 PIECE LOCKING		26/04/2004	401	401
	AP1	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT		26/04/2004	163	26/04/2004	163	CA1	GRUPPO DI FORATURA BORING UNIT		26/04/2004	450	450
B	AP1	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT		26/04/2004	164	26/04/2004	164	CA1	GRUPPO DI FORATURA BORING UNIT		26/04/2004	451	451
	AP1	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT		26/04/2004	165	26/04/2004	165	CA1	GRUPPO DI FORATURA BORING UNIT		26/04/2004	453	453
	AR1	ATTREZZAGGIO TOOLING		26/04/2004	170	26/04/2004	170	CA1	GRUPPO DI FORATURA BORING UNIT		26/04/2004	454	454
C	AS1	ALIMENTAZIONE INVERTER 1 INVERTER 1 POWER SUPPLY		26/04/2004	200	26/04/2004	200	CA1	GRUPPO DI FORATURA BORING UNIT		26/04/2004	460	460
	AS1	ALIMENTAZIONE INVERTER 1 INVERTER 1 POWER SUPPLY		26/04/2004	201	26/04/2004	201	CA1	GRUPPO DI FORATURA BORING UNIT		26/04/2004	461	461
	AU1	ALIMENTAZIONE AZIONAMENTI DRIVES POWER SUPPLY		26/04/2004	230	26/04/2004	230	CN1	MAGAZZINO UTENSILE CR CR TOOL MAGAZINE		26/04/2004	520	520
	BA1	BATTUTE AREA SX1 AREA SX1 STOPS		26/04/2004	300	26/04/2004	300	CN1	MAGAZZINO UTENSILE CR CR TOOL MAGAZINE		26/04/2004	522	522
D	BA1	BATTUTE AREA SX1 AREA SX1 STOPS		26/04/2004	303	26/04/2004	303	SA1	SLOT 1 SLOT 1		26/04/2004	700	700
	BA1	BATTUTE AREA SX1 AREA SX1 STOPS		26/04/2004	304	26/04/2004	304	SA1	SLOT 1 SLOT 1		26/04/2004	701	701
	BA2	BATTUTE AREA SX2 AREA SX2 STOPS		26/04/2004	323	26/04/2004	323	SA1	SLOT 1 SLOT 1		26/04/2004	702	702
	BA2	BATTUTE AREA SX2 AREA SX2 STOPS		26/04/2004	324	26/04/2004	324	SA1	SLOT 1 SLOT 1		26/04/2004	703	703
	BB1	BATTUTE AREA DX1 AREA DX1 STOPS		26/04/2004	340	26/04/2004	340	SA1	SLOT 1 SLOT 1		26/04/2004	704	704
	BB1	BATTUTE AREA DX1 AREA DX1 STOPS		26/04/2004	343	26/04/2004	343	SU1	PRESSURIZZAZIONE PRESSURISATION		26/04/2004	790	790
E	BB1	BATTUTE AREA DX1 AREA DX1 STOPS		26/04/2004	344	26/04/2004	344	UX1	ASSE X X-AXIS		26/04/2004	860	860
	BB2	BATTUTE AREA DX2 AREA DX2 STOPS		26/04/2004	363	26/04/2004	363	UX1	ASSE X X-AXIS		26/04/2004	861	861
	BB2	BATTUTE AREA DX2 AREA DX2 STOPS		26/04/2004	364	26/04/2004	364	UY1	ASSE Y Y-AXIS		26/04/2004	870	870
F	BC1	BLOCCAGGIO PEZZO AREA SX1 AREA SX1 PIECE LOCKING		26/04/2004	380	26/04/2004	380	UY1	ASSE Y Y-AXIS		26/04/2004	871	871

REVISIONE		ELABORAZ. 27/04/2004		rsilvestrini		DESCRIZIONE FOGLIO SHEET DESCRIPTION		ROVER B 2.30		= A	Gr.Fun.			
CREAZIONE		27/04/2004		rsilvestrini		Indice: (160 - 871)				+	Foglio 4			
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		Contents: (160 - 871)		REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	5 F.S.



1	2		3		4		5	6		7	8		
GR. FUN. FUNCT. UN.	DESCRIZIONE FOGLIO SHEET DESCRIPTION		ELABORAZIONE PROCESSING		FOGLIO SHEET		GR. FUN. FUNCT. UN.	DESCRIZIONE FOGLIO SHEET DESCRIPTION		ELABORAZIONE PROCESSING		FOGLIO SHEET	
A	UZ1	ASSE Z Z-AXIS	26/04/2004 26/04/2004	880 880				Lista materiali: (+A-AR1K1 - -SA1K3) Materials list: (+A-AR1K1 - -SA1K3)	27/04/2004 27/04/2004	30001 30001			
	UZ1	ASSE Z Z-AXIS	26/04/2004 26/04/2004	881 881				Lista materiali: (+A-UZ1K1 - +A-AG1Q5) Materials list: (+A-UZ1K1 - +A-AG1Q5)	27/04/2004 27/04/2004	30002 30002			
	VB1	POMPA DEL VUOTO 1 VACUUM PUMP 1	26/04/2004 26/04/2004	900 900				Lista materiali: (+A-AG1Q6 - +E-CN1U1) Materials list: (+A-AG1Q6 - +E-CN1U1)	27/04/2004 27/04/2004	30003 30003			
	VB1	POMPA DEL VUOTO 1 VACUUM PUMP 1	26/04/2004 26/04/2004	901 901				Lista materiali: (+A-UX1U1 - +F-VB1Z1) Materials list: (+A-UX1U1 - +F-VB1Z1)	27/04/2004 27/04/2004	30004 30004			
B	WD1	TAPPETI DI SICUREZZA CONTACT MATS	26/04/2004 26/04/2004	940 940									
	WD1	BARRIERE FOTOELETTRICHE PHOTOCELL BARRIERS	26/04/2004 26/04/2004	945 945									
	WD1	BARRIERE FOTOELETTRICHE PHOTOCELL BARRIERS	26/04/2004 26/04/2004	946 946									
C		Lista I/O: +A-AL4 A2 I/O list: +A-AL4 A2	27/04/2004 27/04/2004	10000 10000									
		Lista I/O: +A-AL4 A2 I/O list: +A-AL4 A2	27/04/2004 27/04/2004	10001 10001									
		Lista I/O: +A-AL4 A3 I/O list: +A-AL4 A3	27/04/2004 27/04/2004	10002 10002									
		Lista I/O: +E-AL4 A4 I/O list: +E-AL4 A4	27/04/2004 27/04/2004	10003 10003									
		Lista I/O: +E-AL4 A5 I/O list: +E-AL4 A5	27/04/2004 27/04/2004	10004 10004									
		Lista I/O: +E-AL4 A6 I/O list: +E-AL4 A6	27/04/2004 27/04/2004	10005 10005									
		Lista I/O: +E-AL4 A10 I/O list: +E-AL4 A10	27/04/2004 27/04/2004	10006 10006									
		Lista I/O: +E-AL4 A12 I/O list: +E-AL4 A12	27/04/2004 27/04/2004	10007 10007									
		Lista I/O: +E-AL4 A14 I/O list: +E-AL4 A14	27/04/2004 27/04/2004	10008 10008									
		Lista I/O: +F-AL4 A18 I/O list: +F-AL4 A18	27/04/2004 27/04/2004	10009 10009									
D		Lista I/O: +F-AL4 A19 I/O list: +F-AL4 A19	27/04/2004 27/04/2004	10010 10010									
		Lista I/O: +F-AL4 A24 I/O list: +F-AL4 A24	27/04/2004 27/04/2004	10011 10011									
		Lista I/O: +F-AL4 A25 I/O list: +F-AL4 A25	27/04/2004 27/04/2004	10012 10012									
		Lista materiali: (+A-AL1A1 - +A-AP1K3) Materials list: (+A-AL1A1 - +A-AP1K3)	27/04/2004 27/04/2004	30000 30000									
E													
F													
REVISIONE		ELABORAZ.		CLIENTE		DESCRIZIONE FOGLIO SHEET DESCRIPTION		SCHEMA DIAGRAM		MATERICOLA SERIAL NUMBER		Gr.Fun.	
27/04/2004		rsilvestrini		BIESSE		Indice: (880 - 30004)		ROVER B 2.30		010.010		39076	
CREAZIONE		MODIFICA		VER. E APPR.		Contents: (880 - 30004)		REL		20 F.S.		5	
27/04/2004		rsilvestrini											
DATA		DISEGNATORE											

A3_INDICE_V01

A

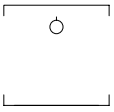

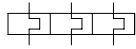
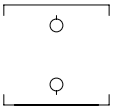









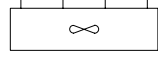








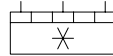

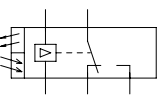


B

C

D

E

F

	1	2	3	4	5	6	7	8
A								
A	Morsetto PLC a 1 connessione 1-connection PLC terminal			B	ENCODER ENCODER	F	Relè termico tripolare Tripolar thermal relay	
A				B		G		
A	Morsetto PLC a 2 connessioni 2-connection PLC terminal			B	RESOLVER RESOLVER	G	Alimentatore FEEDER	
B				C		G		
B	Termocoppia THERMOCOUPLE			C	CONDENSATORE CAPACITOR	G	BATTERIA DI ACCUMULATORI BATTERY CELLS	
C				C		H		
C	Contatto termico NC NC thermal contact			C	CONDENSATORE POLARIZZATO POLARIZED CAPACITOR	H	LAMPADA DI SEGNALAZIONE INDICATOR LIGHT	
B				E		H		
B	Termostato NC NC thermostat			E	Ventilatore trifase Three-phase fan	H	SIRENA Siren	
D				E		H		
D	Trasmettitore ottico Optical transmitter			E	ELEMENTO RISCALDANTE HEATING ELEMENT	H	LED LED	
B				E		H		
B	Ricevitore ottico NO NO optical receiver			E	Lampada al neon con collegamento PE Neon lamp with PE connection	H	Orologio Clock	
E				E		H		
E	Fotocellula a riflessione NO NO reflection photocell			E	CONDIZIONATORE AIR CONDITIONER	H	Cicalino Buzzer	
F				F		H		
F	Fotocellula con contatto in scambio Photocell with change-over contact			F	Fusibile unipolare Unipolar fuse	H	LAMPADA DI SEGNALAZIONE LAMPEGGIANTE BLINKING INDICATOR LIGHT	

Lista simboli_v01



CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOGLIO
SHEET DESCRIPTION
Lista simboli: (PLC1 - HB)

ROVER B 2.30

REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Gr.Fun.
					Foglio 20
					21 F.S.

	1	2	3	4	5	6	7	8
A	K Relè ausiliario/potenza Auxiliary/power relay		K? Contatto NO rit. alla diseccitazione NO contact de-energising delayed		M Motore in C.C. DC motor			
	K Temporizzatore ritard. eccitazione Timer energising delayed		K? Contatto NO anticipato NO contact advanced		M MOTORE TRIFASE (3 TERMINALI) THREE-PHASE MOTOR (3 TERMINALS)			
B	K Temporizzatore ritard. diseccitazione Timer de-energising delayed		K? Contatto NC ritardato NC contact delayed		M Motore a collettore Commutator motor			
C	K RELE A RIMANENZA REMANENT RELAY		K? Contatto in scambio 2 vie 2-way change-over contact		M Motore con contatto termico Motor with thermal contact			
	K Relè di max. tensione Max. voltage relay		K? Contatto in scambio ritardato alla diseccitazione Change-over contact de-energising delayed		M Motore trifase (ad una velocità) con freno monofase Three-phase motor (single speed) with monophas brake			
D	K? Contatto di potenza per contattore NO Power contact for NO contactor		K? Contatto di potenza per contattore con interblocco Power contact for interlocking contactor		M Motore trifase collegato a triangolo Delta-connection three-phase motor			
	K? CONTATTO NO NO CONTACT		L Induttore INDUCTOR		M Motore trifase collegato a stella Star-connection three-phase motor			
E	K? CONTATTO NC NC CONTACT		L Induttanza a nucleo magnetico Core inductor		P CONTAORE HOURS METER			
F	K? Contatto NO rit. eccitazione NO contact energising delayed		M MOTORE TRIFASE (6 TERMINALI) THREE-PHASE MOTOR (6 TERMINALS)		P Voltmetro Voltmeter			

Lista simboli_v01

BIESSE

CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
SHEET DESCRIPTION
Lista simboli: (K - PV)

ROVER B 2.30

REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Gr.Fun.
					Foglio 21
					22 F.S.

	1	2	3	4	5	6	7	8
A	Q Salvatore Engine saver 	S Pulsante NO NO button 	S Pulsante a fungo NC con sgancio rotativo NC mushroom button with rotation release 					
	Q Magnetotermico sezionatore tripolare comando rotativo Rot. command % sect. thermomag. circuit breaker 	S Selettore rotativo NO 2 posizioni mantenute NO rotating selector 2 positions maintained 	S Selettore rotativo a chiave NO 2 posizioni mantenute NO rotating key selector 2 positions maintained 					
B	Q Magnetotermico unipolare Unipolar thermomag. circuit breaker 	S FINECORSA MECCANICO NC NC MECH. LIMIT SWITCH 	S Finecorsa meccanico NO comando a tirante Rod command NO mech. limit switch 					
	Q Differenziale puro bipolare Bipolar pure differential 	S Selettore a chiave NO NO key selector 	S Selettore rotativo NO 3 posizioni mantenute NO rotating selector 3 positions maintained 					
C	Q? Contatto NO aux. magnetotermico NO aux. thermomagnetic contact 	S Pressostato NO NO pressure switch 	S Selettore rotativo NO 2 posizioni con ritorno NO rotating selector 2 positions with return 					
	Q? Contatto NC aux. magnetotermico Aux. thermomagnetic NC contact 	S Interruttore a pedale NO NO foot switch 	S Finecorsa meccanico NC a manovra positiva Pos. transition NC mech. limit switch 					
D	R Resistenza RESISTANCE 	S Finecorsa a camma NC NC cam limit switch 	S Selettore rotativo NO 3 posizioni: mantenuta in 1 con ritorno in 2 NO rotating selector 3 positions: maintained in 1 return in 2 					
E	R RESISTORE REGOLABILE ADJUSTABLE RESISTOR 	S Galleggiante NO NO float 	S Selettore rotativo NO 3 posizioni: con ritorno in 1 mantenuta in 2 NO rotating selector 3 positions: return in 1 maintained in 2 					
F	R POTENZIOMETRO CON CONTATTO MOBILE POTENTIOMETER WITH MOVABLE CONTACT 	S Proximity indutt. o capacit. NO NO ind. or cap. proximity detector 	S? Contatto NO per selettore 2 posizioni NO contact for 2-position selector 					

Lista simboli_v01

BIESSE

CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
SHEET DESCRIPTION
Lista simboli: (QL3 - S01)

ROVER B 2.30

REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Gr.Fun.
					Foglio 22
					23 F.S.

	1	2	3	4	5	6	7	8
A	S? Contatto NO per selettore 5 posizioni NO contact for 5-position selector		X	PRESA CON SPINA SOCKET AND PLUG		Z	VARISTORE VARISTOR	
	T Trasformatore di tensione VOLTAGE TRANSFORMER		X	PRESA TRIPOLARE CON CONTATTO PE THREE-POLE OUTLET WITH PE CONTACT		Z	Filtro RC RC filter	
B	T TRASF. TRIFASE SECONDARI 2 MONO 1 TRIFASE TRANSF. SECOND: 2 MONO 1 THREEPHASE		X	Spina 2P+T Plug 2P+T		Z	Filtro di rete trifase Three-phase supply network filter	
C	T Autotrasformatore trifase Three-phase autotransformer		X	Morsetti con resistenza e led Terminals with resistor and LEDs		Z	Nucleo di ferrite con avvolgimento FERRITE CORE WITH WINDING	
	T Trasformatore prim. mono - sec. monofase Prim. mono - sec. monophas transformer		X	Morsetto terminale End terminal				
D	T Trasformatore di corrente CURRENT TRANSFORMER		X	SPAZZOLA BRUSH				
	V DIODO DIODE		Y	ELETTOVALVOLA ELECTROVALVE				
E	V DIODO ZENER ZENER DIODE		Y	Freno elettromagnetico Electromagnetic brake				
F	X MORSETTO TERMINAL		Y	Elettrovalvola doppia bobina Double coil electrovalve				

Lista simboli_v01

BIESSE

CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOGLIO
SHEET DESCRIPTION
Lista simboli: (S00100 - Nucleo)

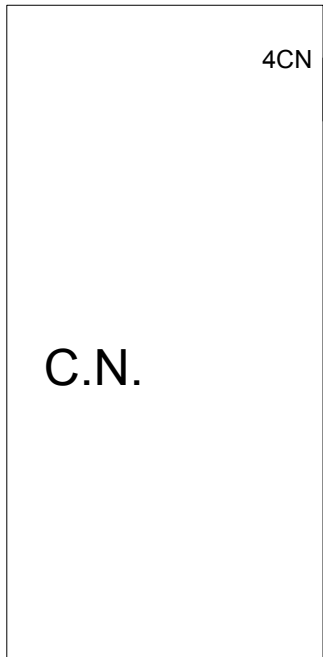
ROVER B 2.30

Gr.Fun.

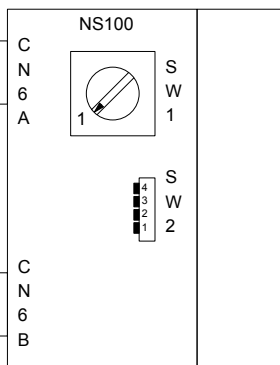
Foglio 23

47 F.S.

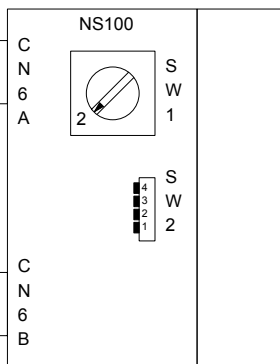
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076
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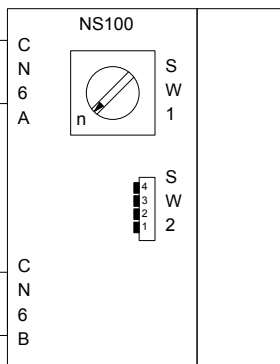
SERVOPACK 1



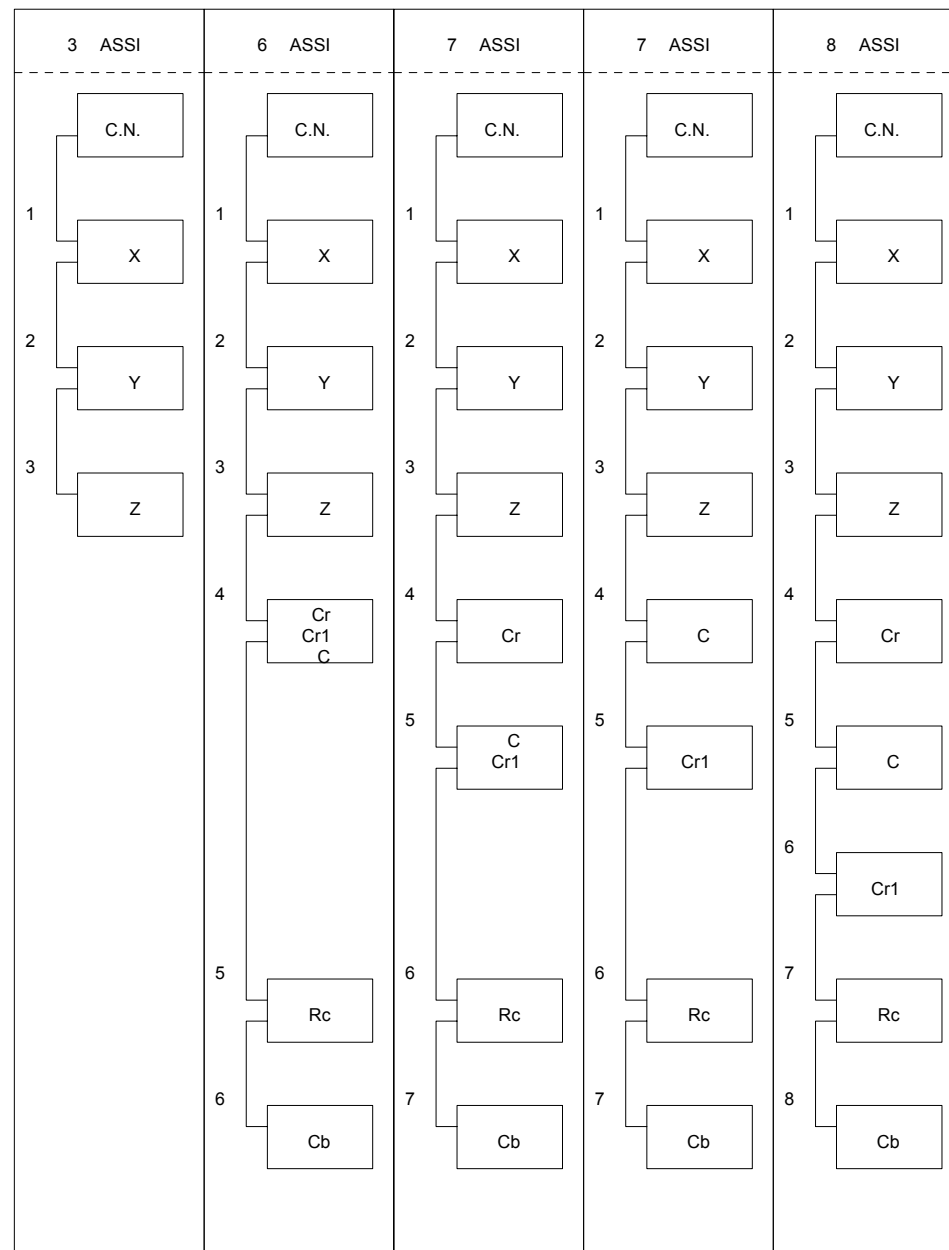
SERVOPACK 2



SERVOPACK n



CONFIGURAZIONE



REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.

BIESSE
 CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
 SHEET DESCRIPTION
 TABELLA
 TABLE

ROVER B 2.30			=A	Gr.Fun.
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076
			Foglio	47
			48 F.S.	

A

B

C

D

E

F

	IT	EN	TE	FR	SP	P
BU	BLU	BLUE	BLAU	BLEU	AZUL	AZUL
BK	NERO	BLACK	SCHWARZ	NOIR	NEGRO	PRETO
OG	ARANCIO	ORANGE	ORANGE	ORANGE	ANARANJADO	LARANJA
BN	MARRONE	BROWN	BRAUN	MARRON	MARRON	CASTANHO
GN	VERDE	GREEN	GRUN	VERT	VERDE	VERDE
WH	BIANCO	WHITE	WEIB	BLANCHE	BLANCO	BRANCO
PK	ROSA	PINK	ROSA	ROSE	ROSA	ROSA
YE	GIALLO	YELLOW	GELB	JAUNE	AMARILLO	AMARELO
VT	VIOLA	VIOLET	VIOLET	VIOLET	VIOLETA	VIOLETA
RD	ROSSO	RED	ROT	ROUGE	ROJO	VERMELHO
GY	GRIGIO	GREY	GRAU	GRIS	GRIS	CIZENTO
	BEIGE	BEIGE	BEIGE	BEIGE	BEIGE	BEIGE
SH	SCHERMO	SHIELD	SCHIRM	ECRAN	PROTECTOR	BLINDAGEM

A

B

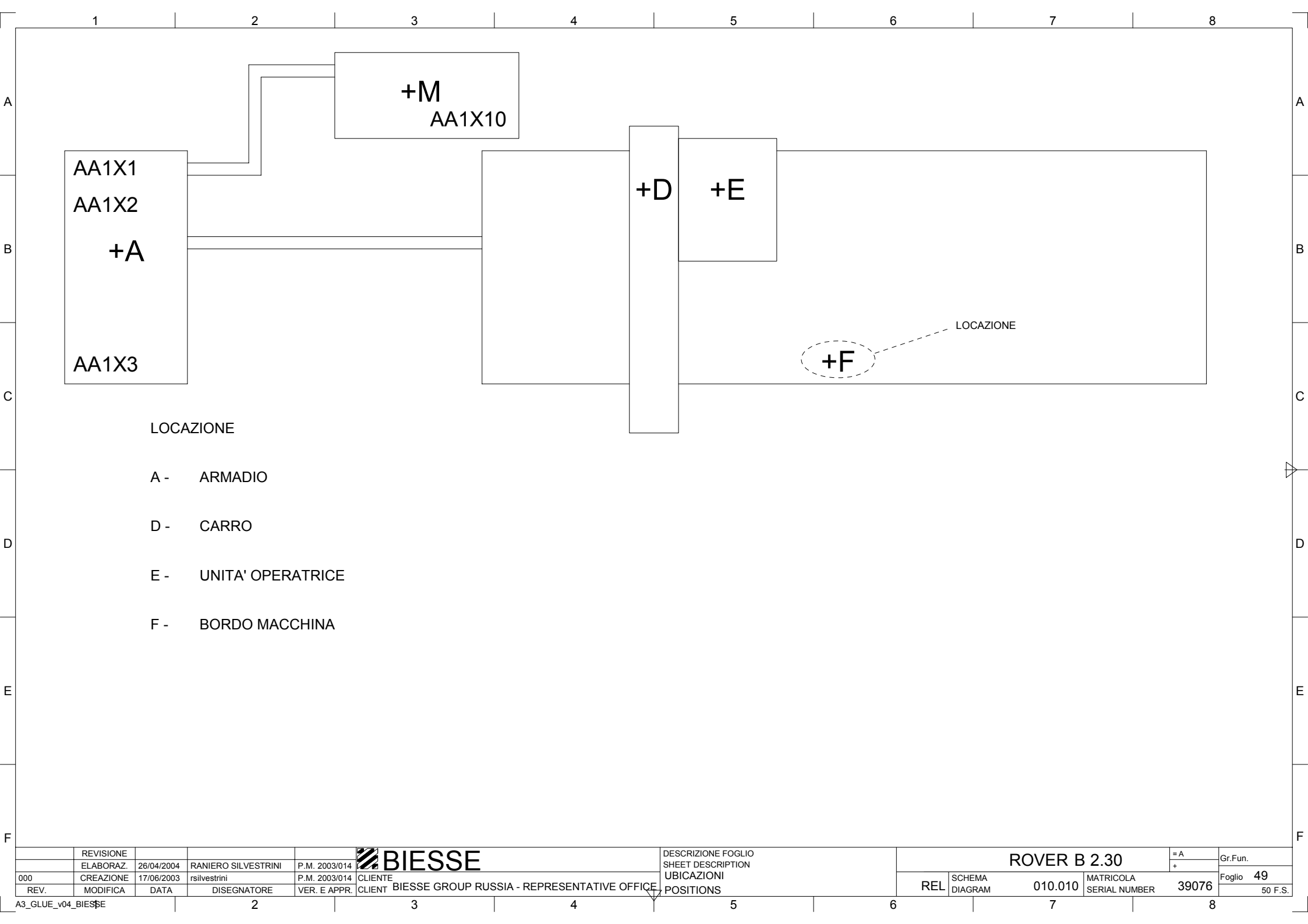
C

D

E

F

REVISIONE		ELABORAZ.		26/04/2004		RANIERO SILVESTRINI		P.M. 2003/014		DESCRIZIONE FOGLIO		ROVER B 2.30		= A		Gr.Fun.					
000		CREAZIONE		17/06/2003		rsilvestrini		P.M. 2003/014		CLIENTE		SCHEMA		010.010		MATRICOLA		39076		Foglio 48	
REV.		MODIFICA		DATA		DISEGNATORE		VER. E APPR.		CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		DIAGRAM		SERIAL NUMBER		49 F.S.					



LOCAZIONE

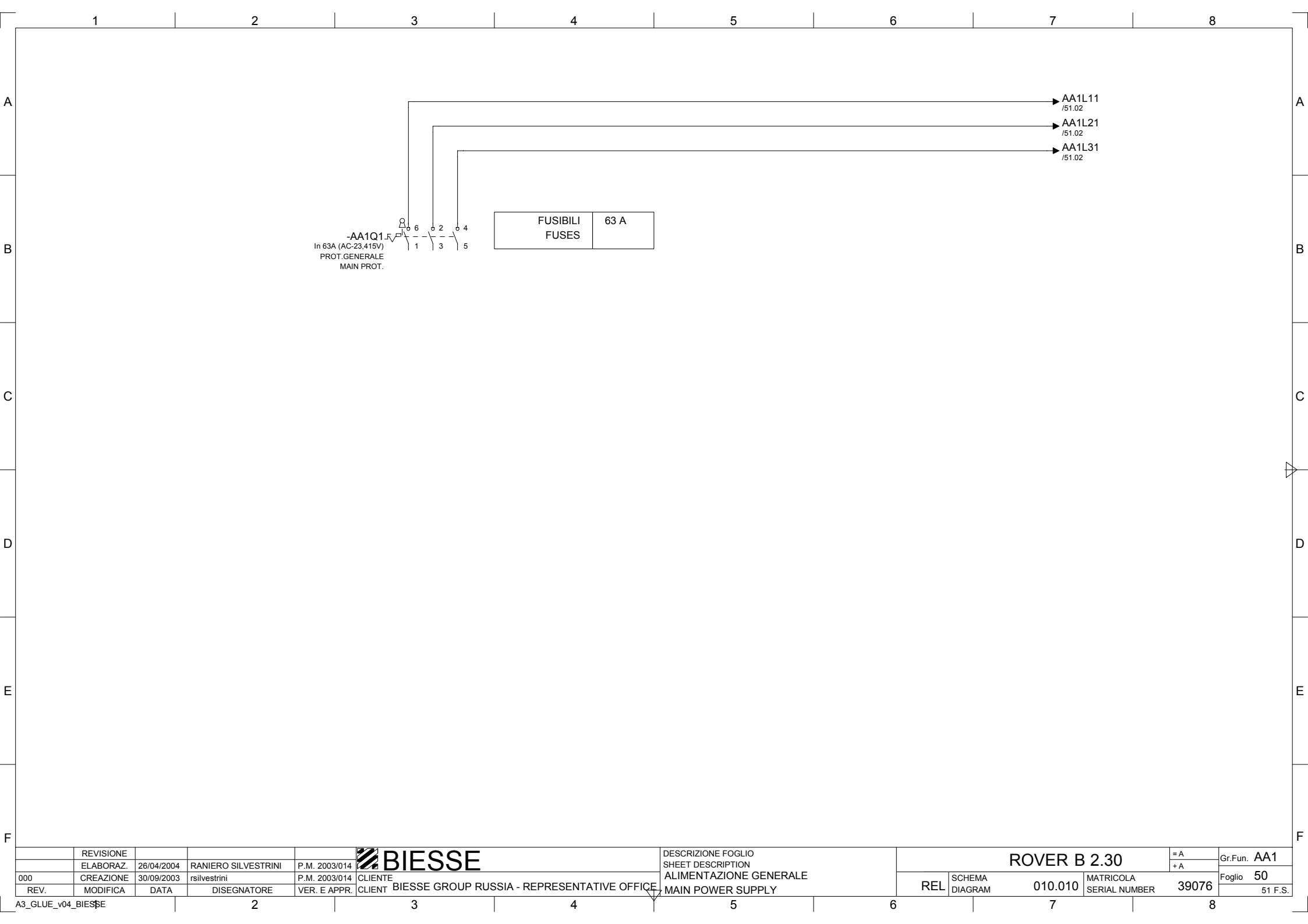
A - ARMADIO

D - CARRO

E - UNITA' OPERATRICE

F - BORDO MACCHINA

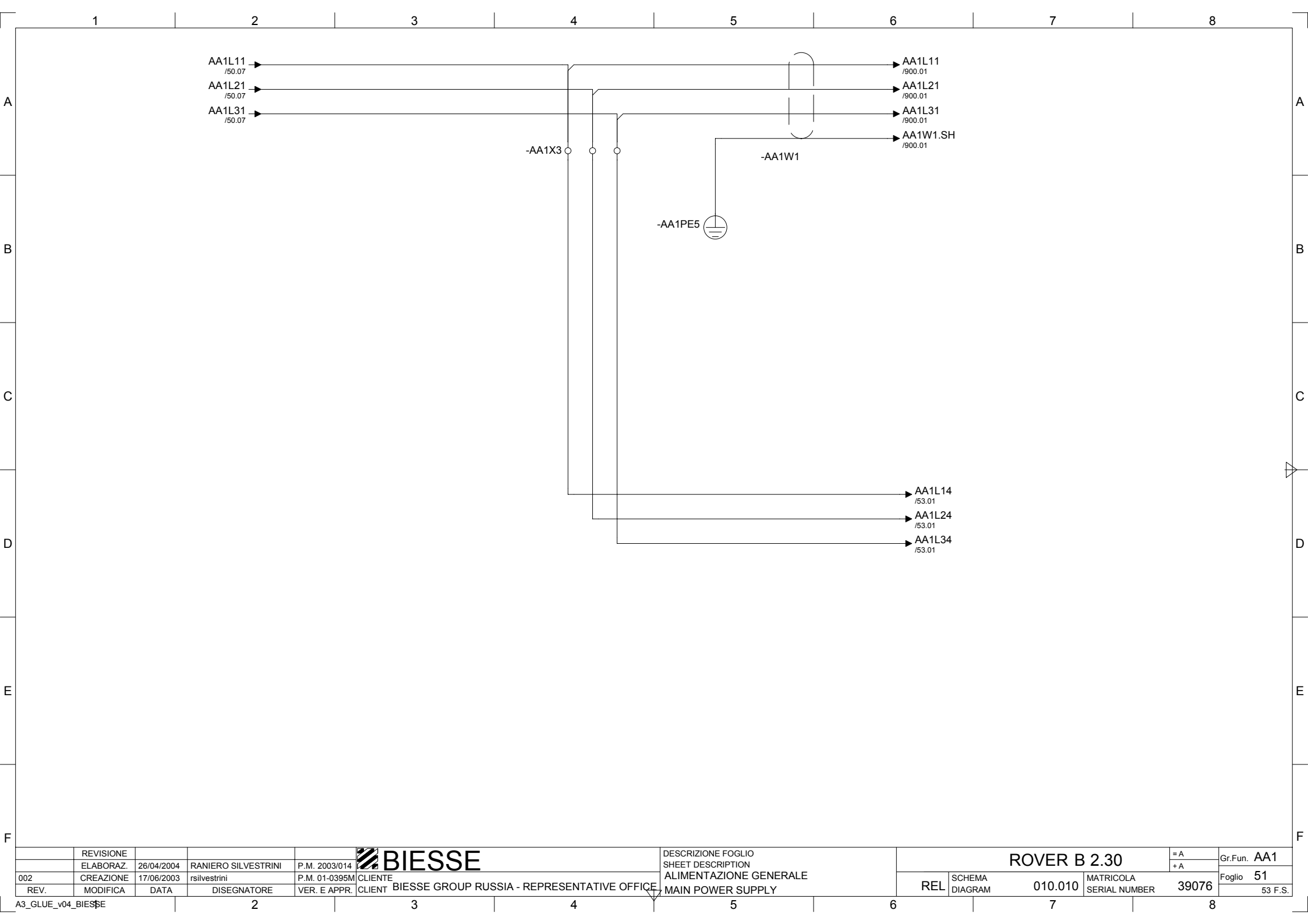
						DESCRIZIONE FOGLIO			ROVER B 2.30		=A	Gr.Fun.	
						SHEET DESCRIPTION					+		
					UBICAZIONI					Foglio 49			
					POSITIONS			REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	50 F.S.




	REVISIONE				BIESSE CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	30/09/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

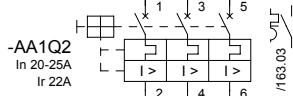
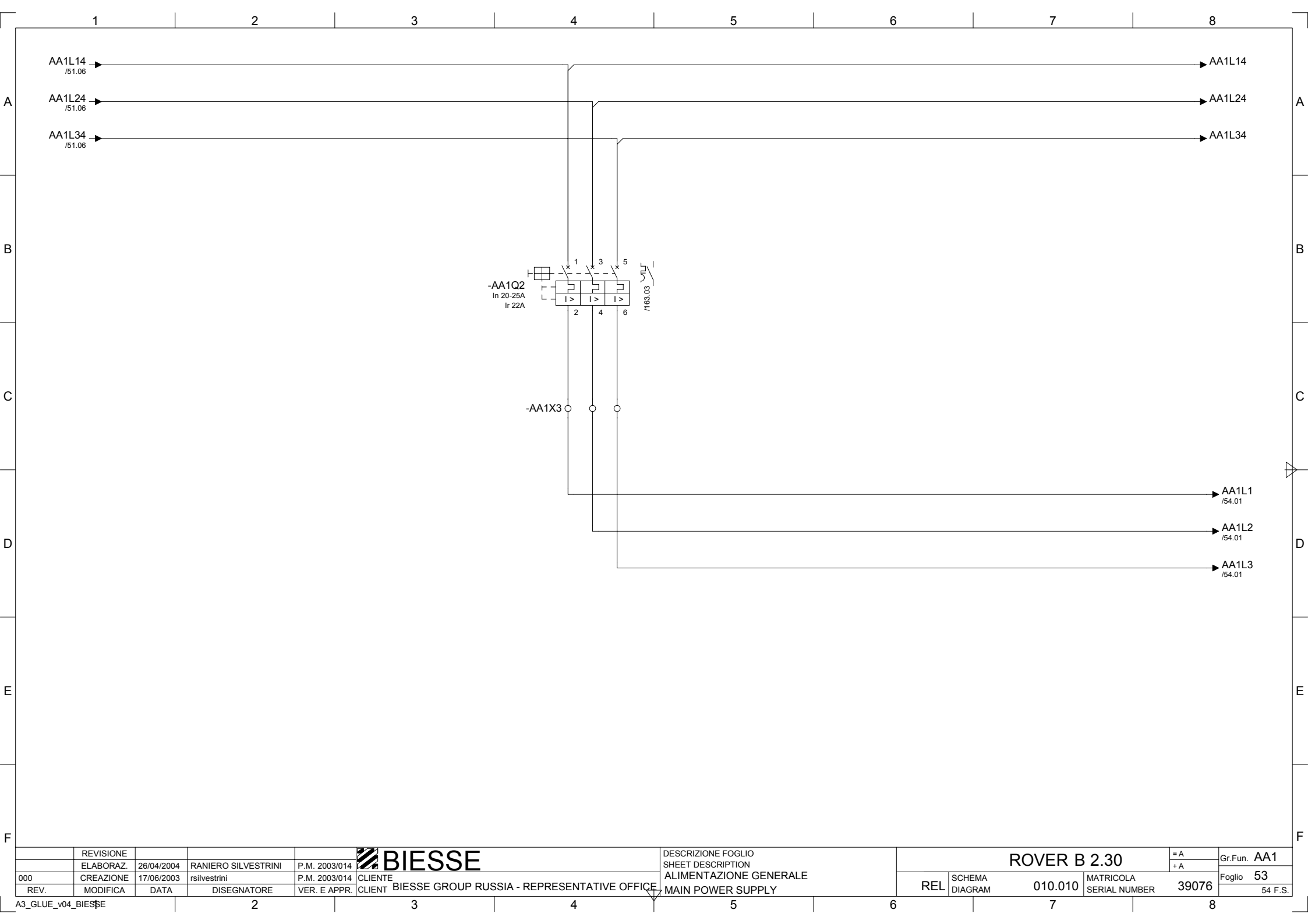
DESCRIZIONE FOGLIO
 SHEET DESCRIPTION
ALIMENTAZIONE GENERALE
 MAIN POWER SUPPLY

				ROVER B 2.30		= A	Gr.Fun. AA1
						+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 50	51 F.S.	

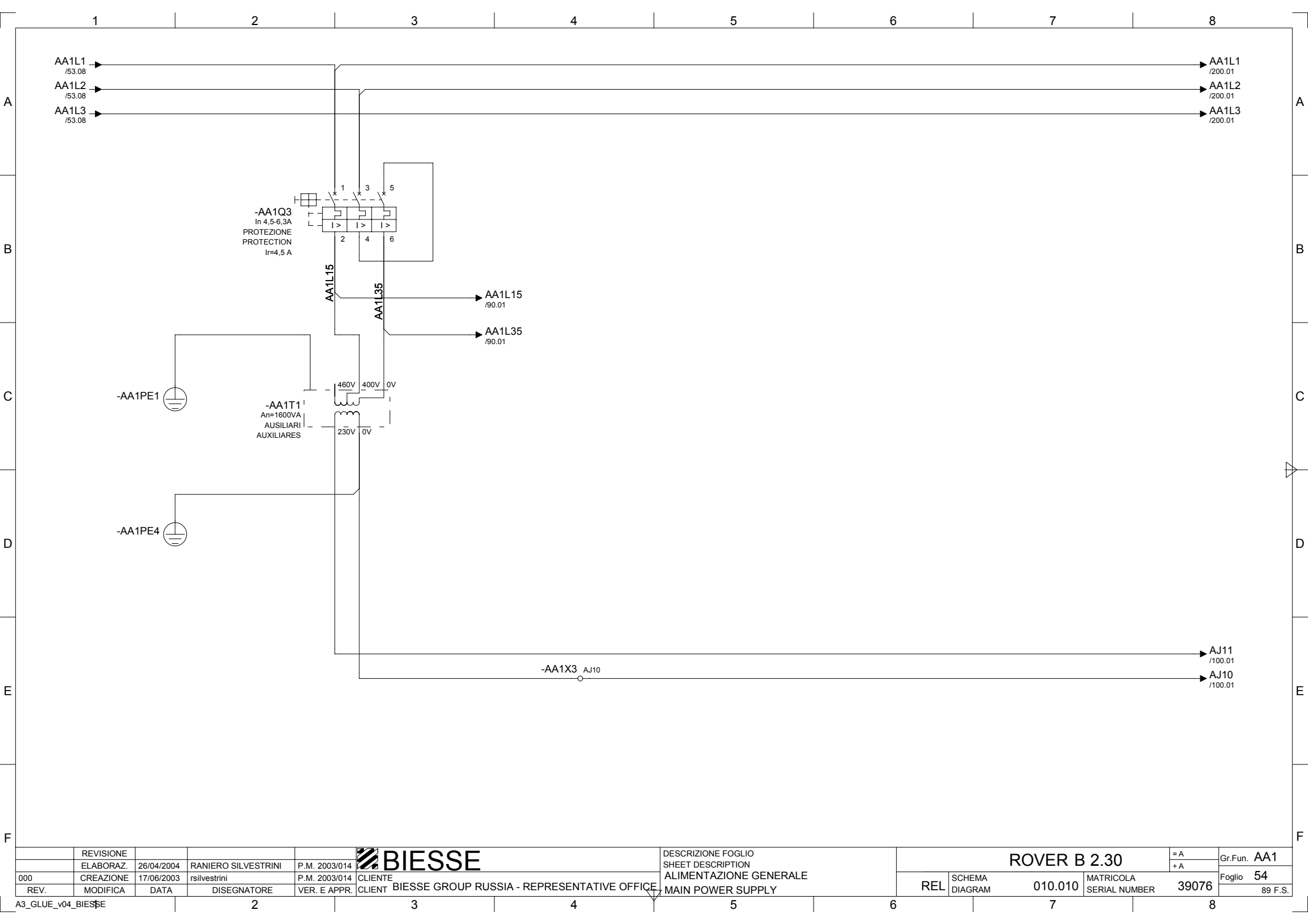


	REVISIONE				 BIESSE	DESCRIZIONE FOLGIO					
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014		SHEET DESCRIPTION		ROVER B 2.30		= A	Gr.Fun. AA1
002	CREAZIONE	17/06/2003	rsilvestrini	P.M. 01-0395M		CLIENTE	ALIMENTAZIONE GENERALE			+ A	Foglio 51
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.		CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		MAIN POWER SUPPLY			53 F.S.

REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	
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REVISIONE						DESCRIZIONE FOGLIO		ROVER B 2.30		= A		Gr.Fun. AA1			
ELABORAZ.		26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014		SHEET DESCRIPTION				+ A					
000 CREAZIONE		17/06/2003	rsilvestrini	P.M. 2003/014		ALIMENTAZIONE GENERALE						Foglio 53			
REV. MODIFICA		DATA	DISEGNATORE	VER. E APPR.		CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		MAIN POWER SUPPLY		REL SCHEMA DIAGRAM		010.010	MATRICOLA SERIAL NUMBER	39076	54 F.S.

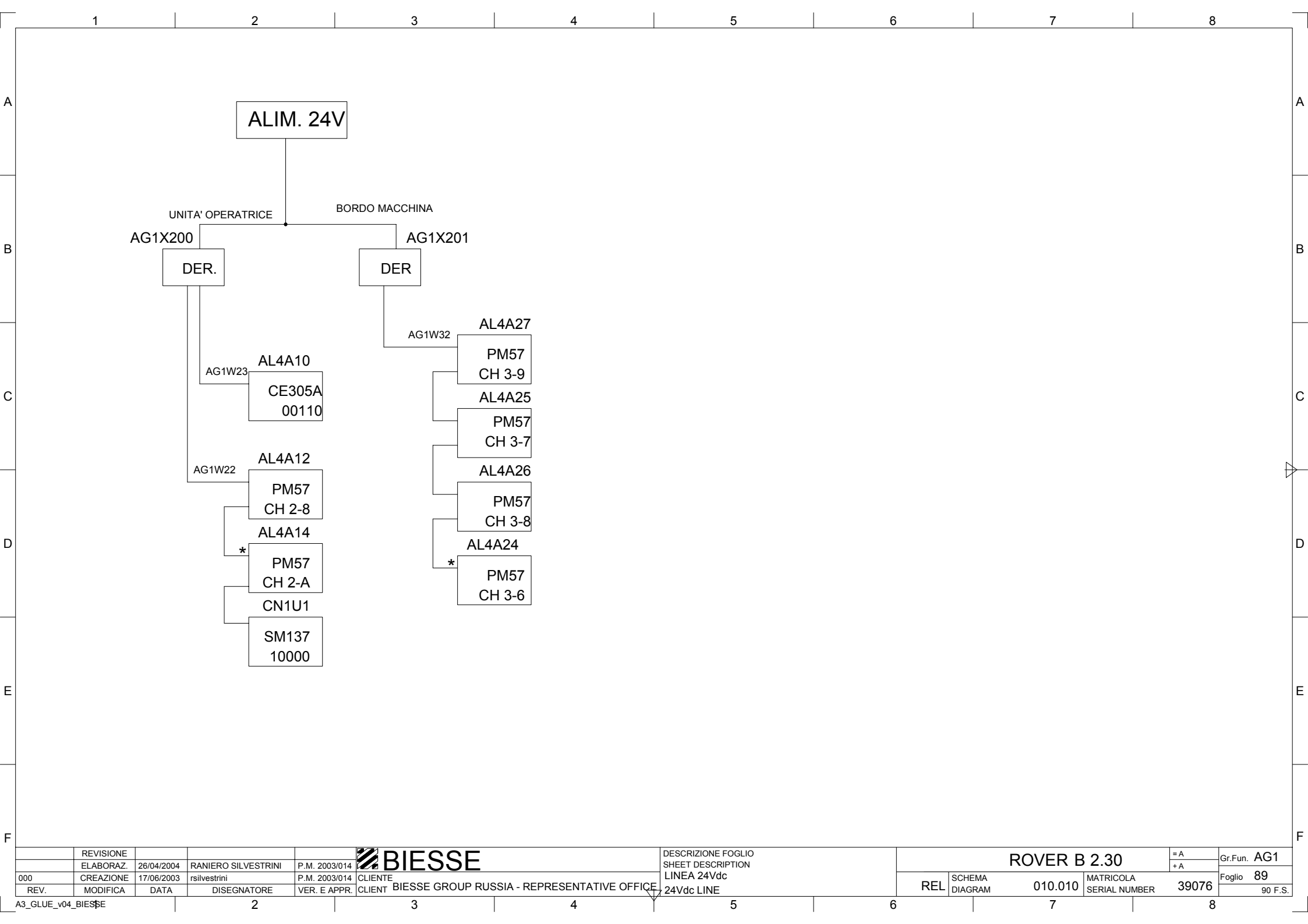



	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014	CLIENTE
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

BIESSE

DESCRIZIONE FOLGIO
SHEET DESCRIPTION
ALIMENTAZIONE GENERALE
MAIN POWER SUPPLY

ROVER B 2.30				= A	Gr.Fun. AA1
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 54
				89 F.S.	

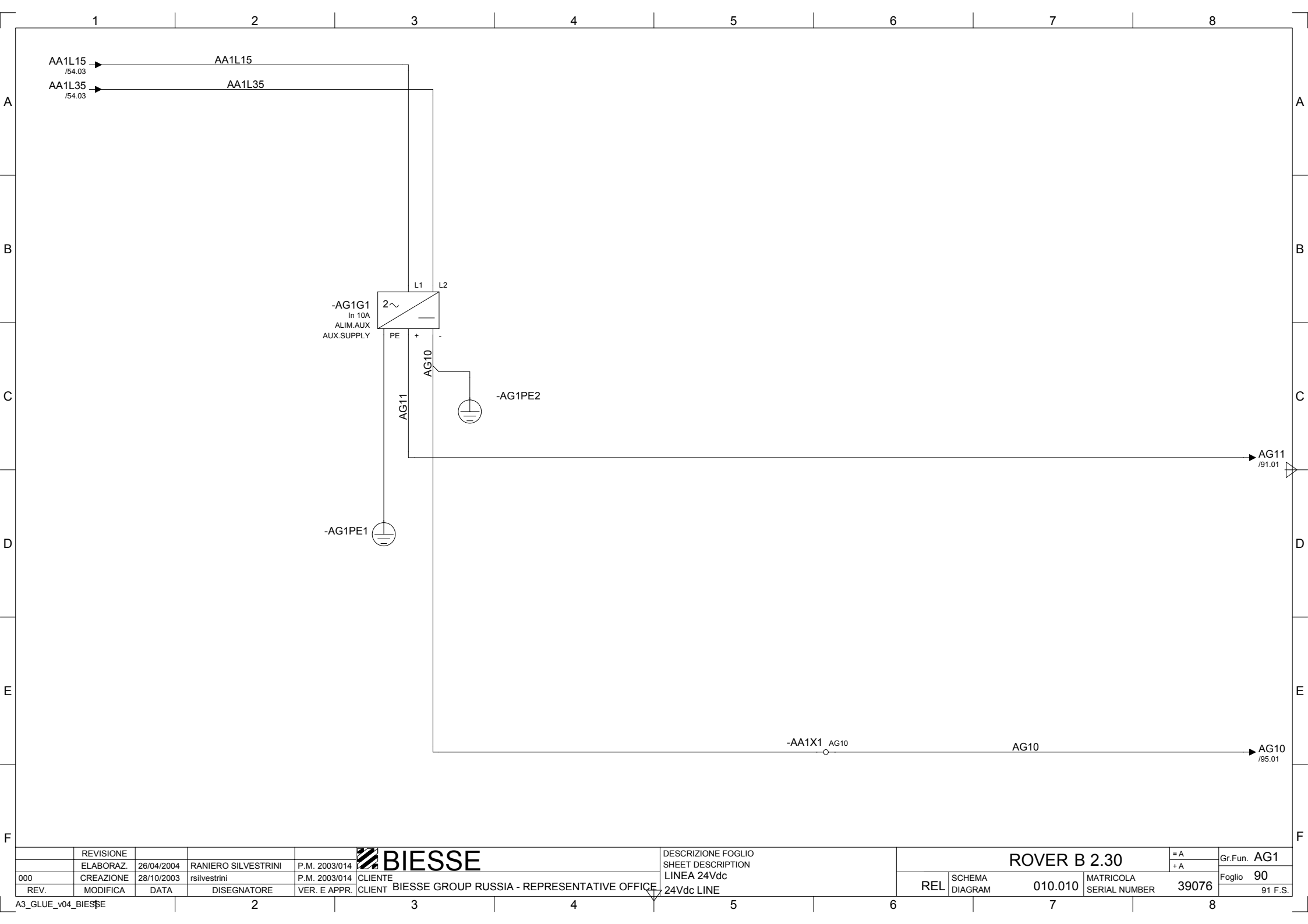


	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

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 CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

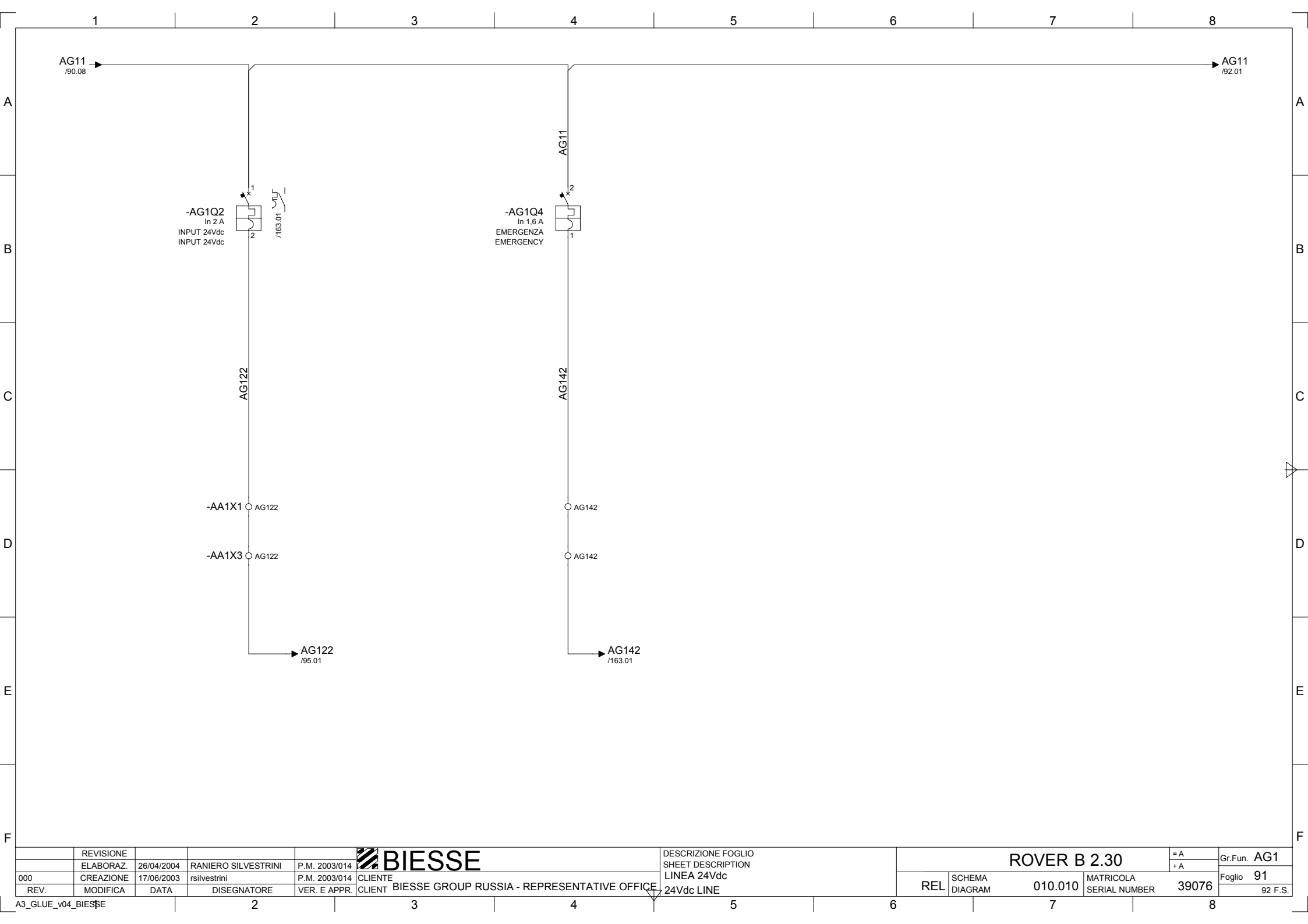
DESCRIZIONE FOGLIO
 SHEET DESCRIPTION
 LINEA 24Vdc
 24Vdc LINE


ROVER B 2.30				=A	Gr.Fun. AG1
				+A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 89
					90 F.S.



	REVISIONE				 BIESSE DESCRIZIONE FOGLIO SHEET DESCRIPTION LINEA 24Vdc 24Vdc LINE
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	28/10/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

				ROVER B 2.30		= A	Gr.Fun. AG1
						+ A	Foglio 90
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	91 F.S.		

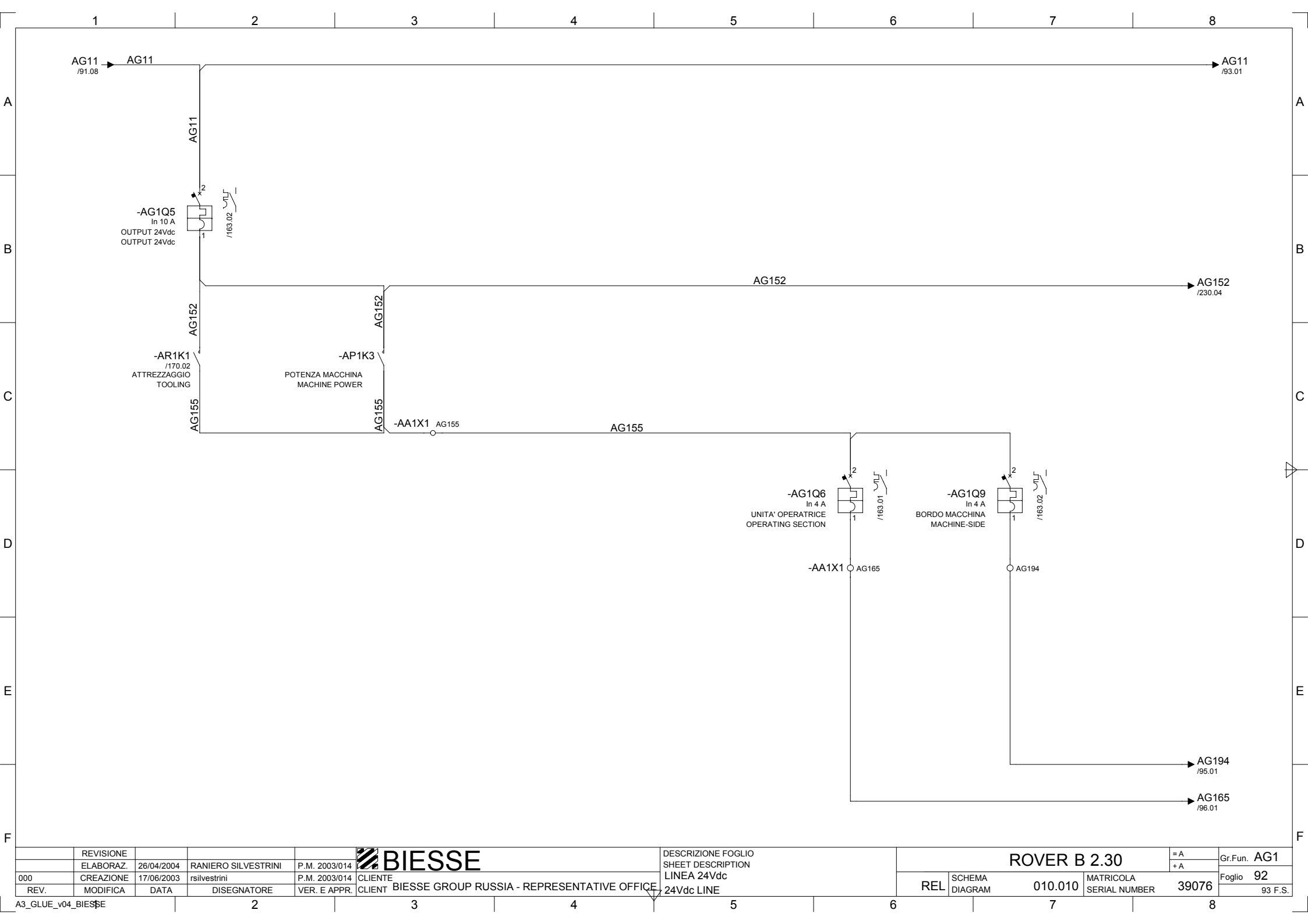


	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE
 CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
 SHEET DESCRIPTION
 LINEA 24Vdc
 24Vdc LINE

ROVER B 2.30				= A	Gr.Fun. AG1
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 91
					92 F.S.

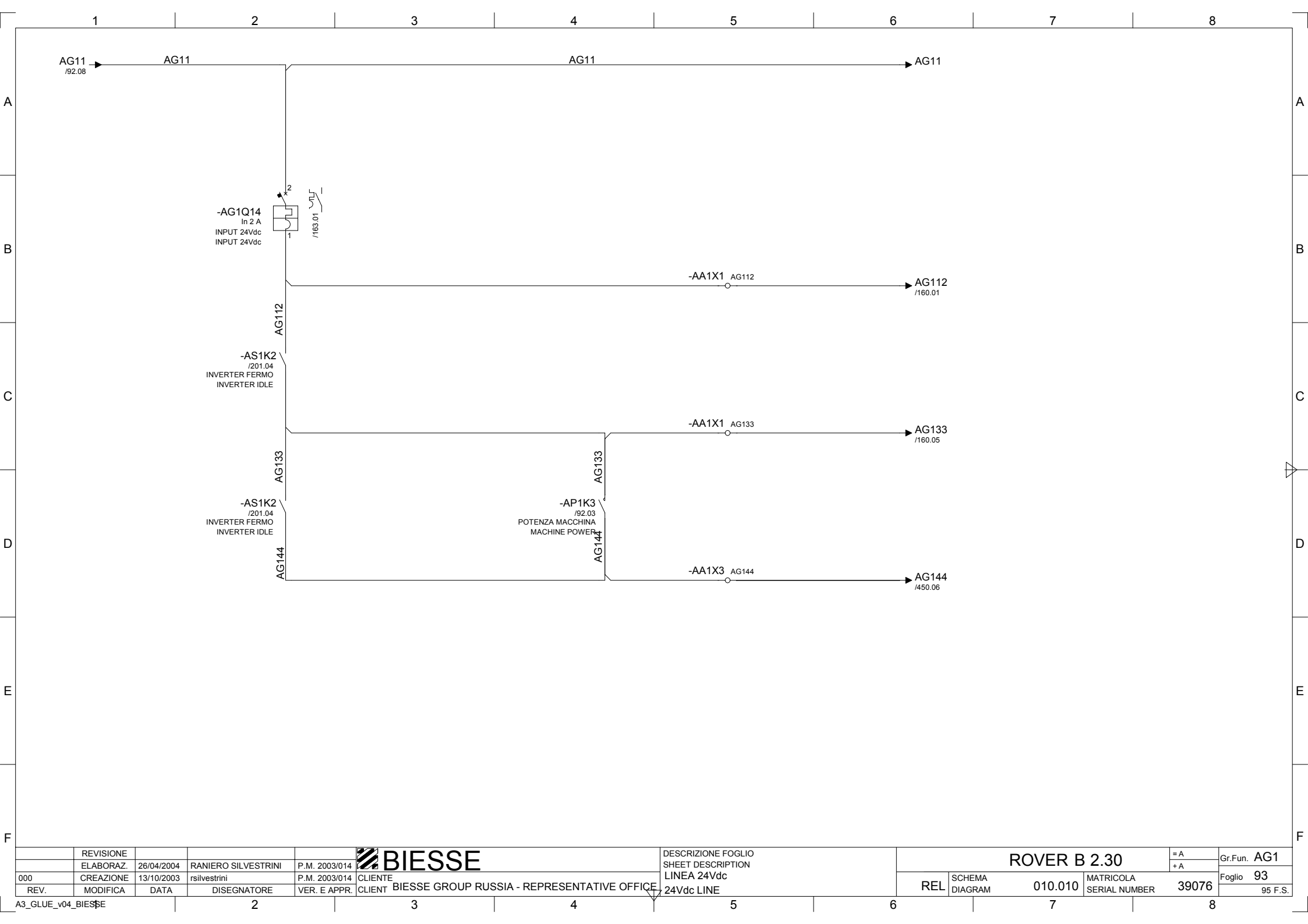


	REVISIONE					
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014		
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014		CLIENTE
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.		CLIENT

BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
SHEET DESCRIPTION
LINEA 24Vdc
24Vdc LINE

ROVER B 2.30				= A	Gr.Fun. AG1
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	+ A	Foglio 92
			39076		93 F.S.



	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	13/10/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

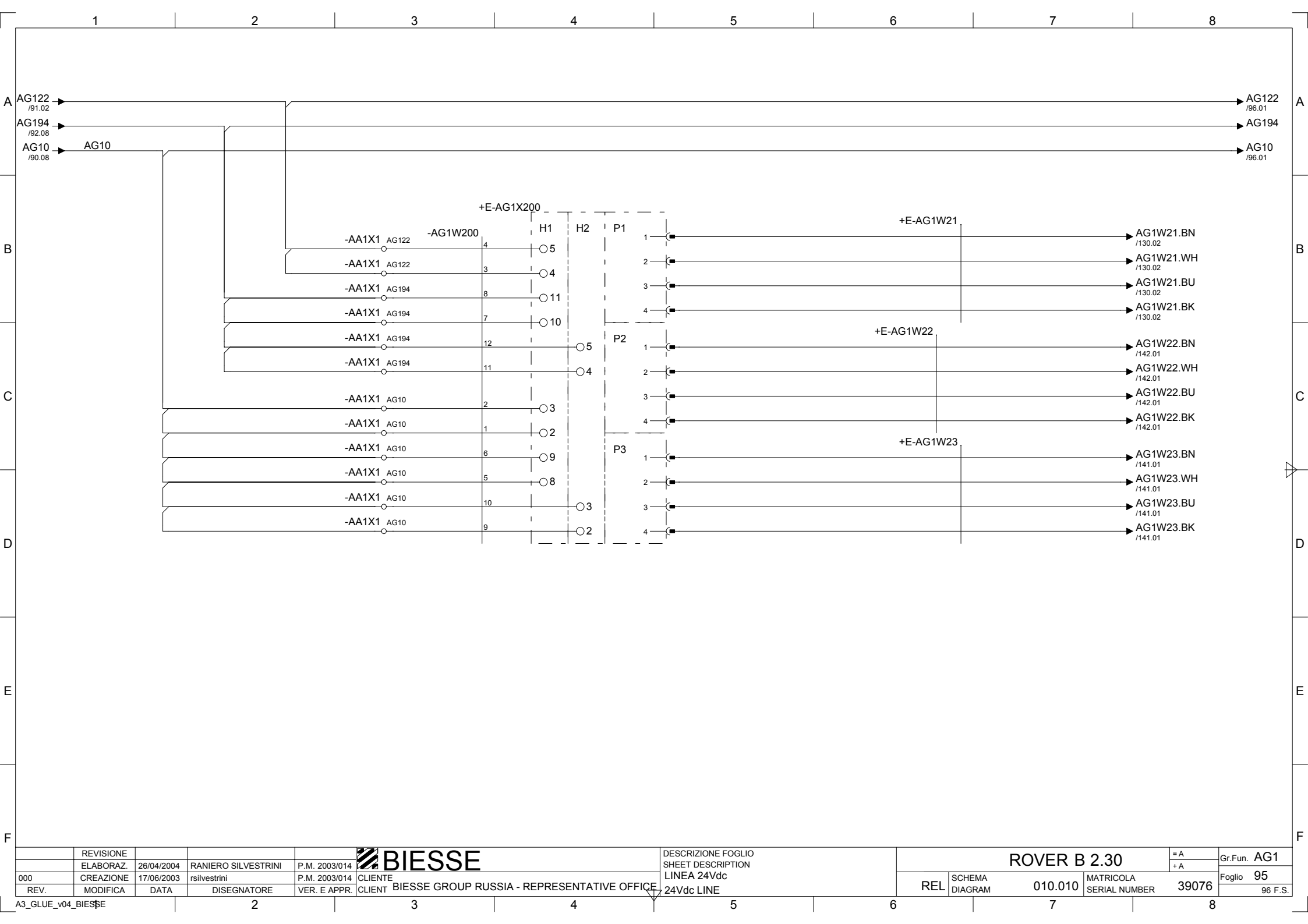
BIESSE
 CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOGLIO
 SHEET DESCRIPTION
 LINEA 24Vdc
 24Vdc LINE

ROVER B 2.30

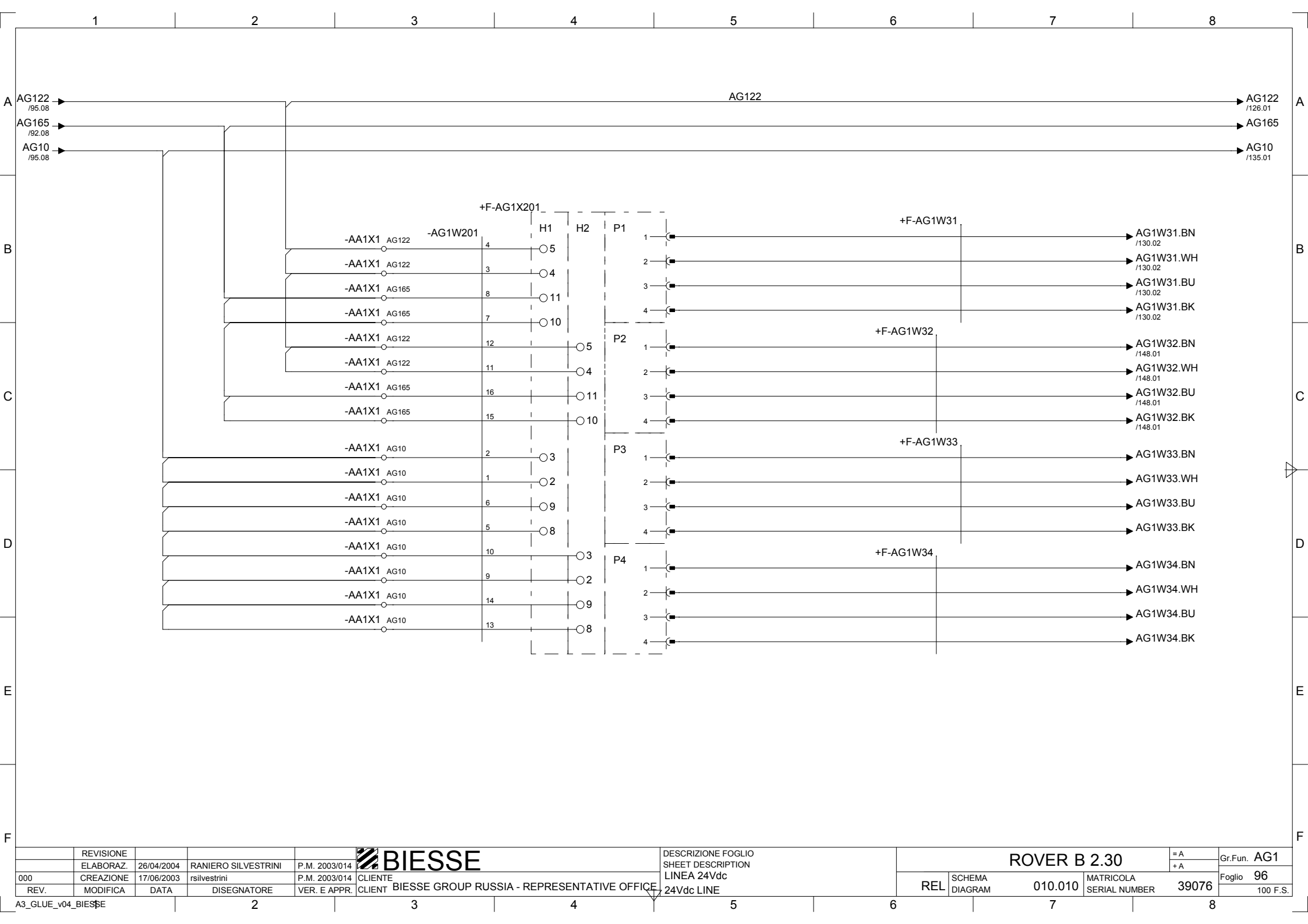
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076
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=A	Gr.Fun. AG1
+A	Foglio 93
	95 F.S.



REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014		DESCRIZIONE FOLGIO SHEET DESCRIPTION LINEA 24Vdc 24Vdc LINE
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014		
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.		

CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE				ROVER B 2.30			= A	Gr.Fun. AG1
							+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 95	96 F.S.		



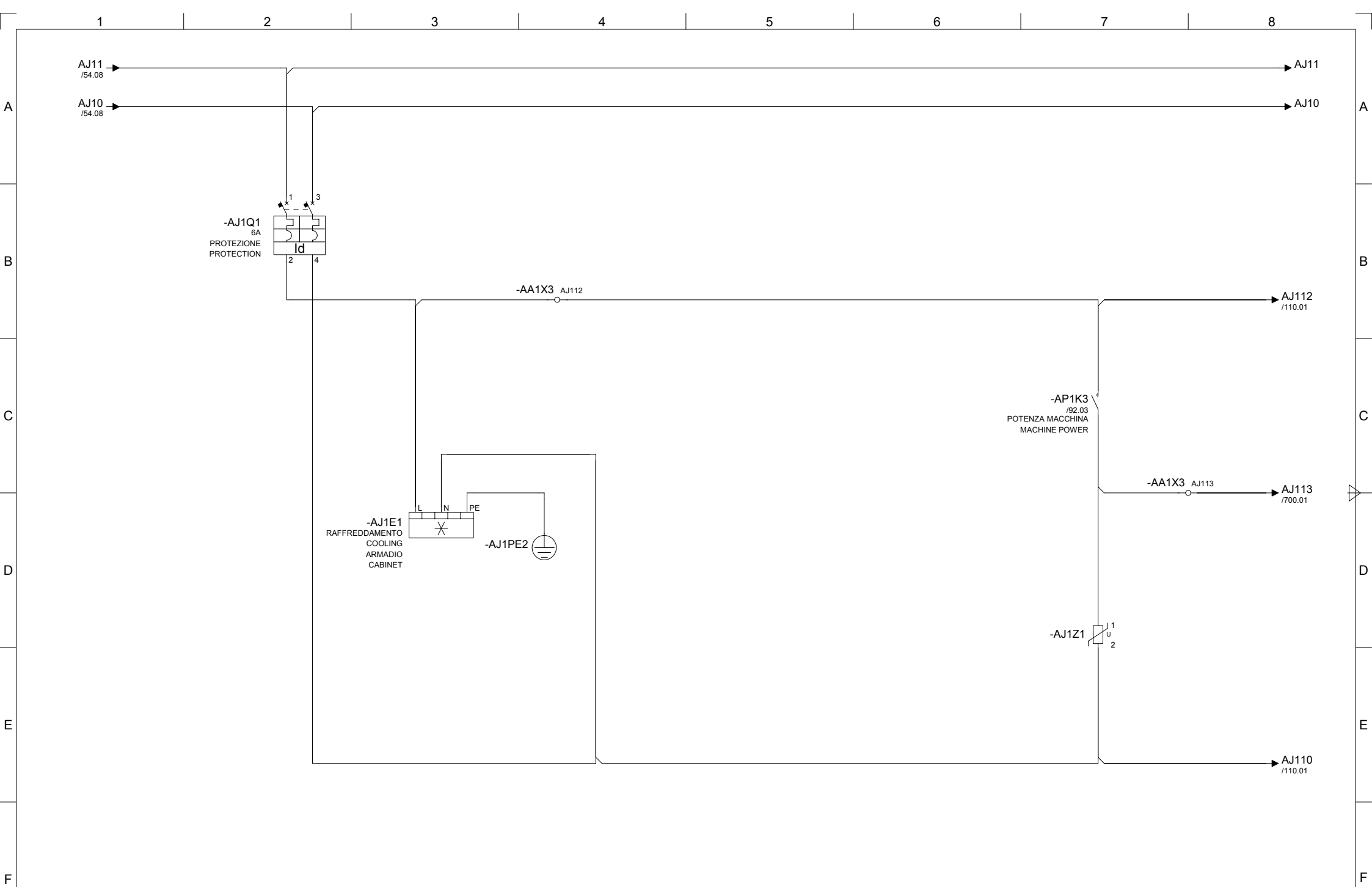
REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.

BIESSE
 CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE
 CLIENT

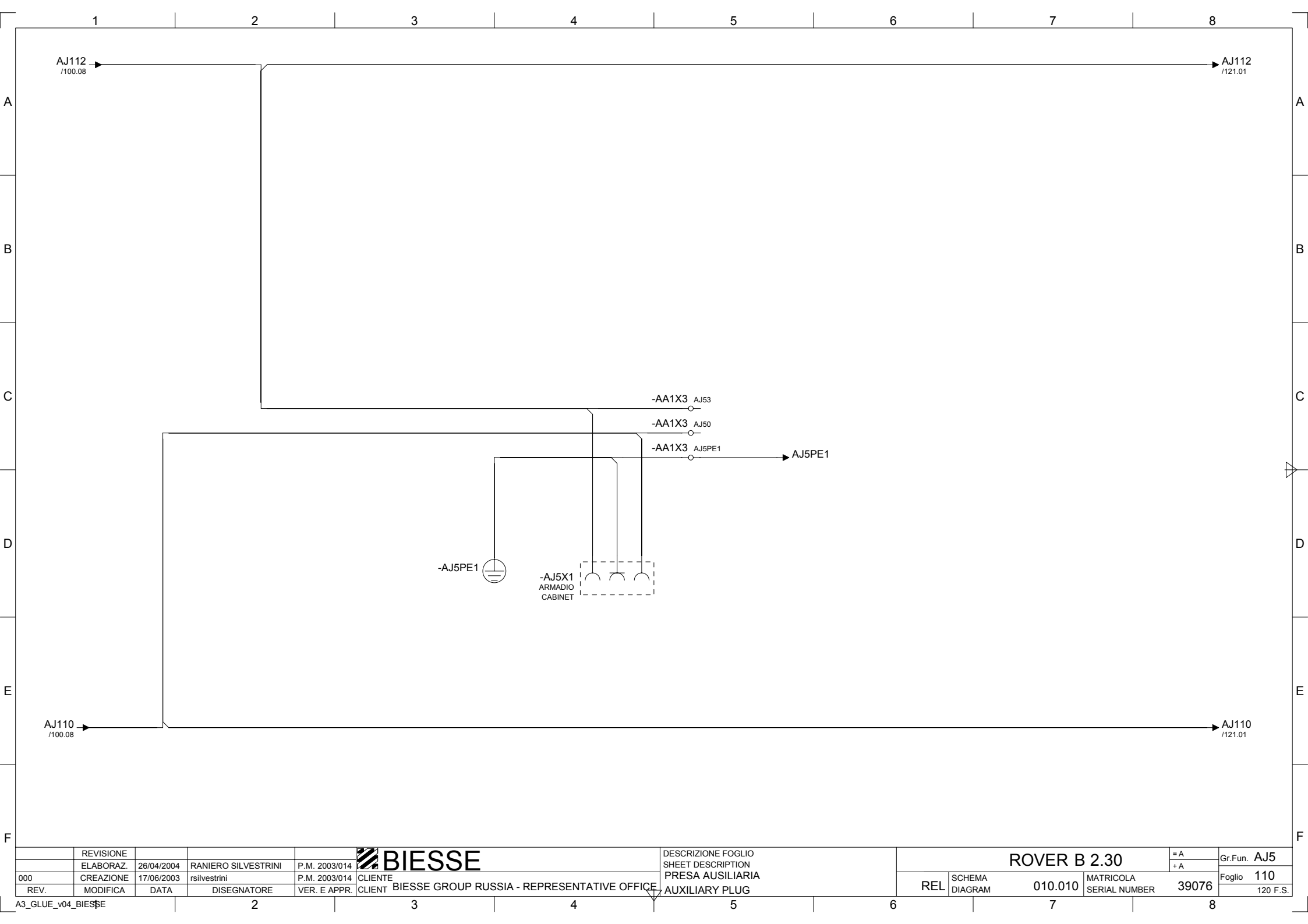
DESCRIZIONE FOLGIO
 SHEET DESCRIPTION
 LINEA 24Vdc
 24Vdc LINE

ROVER B 2.30
 REL SCHEMA DIAGRAM 010.010
 MATRICOLA SERIAL NUMBER 39076

Gr.Fun. AG1
 Foglio 96
 100 F.S.



						DESCRIZIONE FOGLIO SHEET DESCRIPTION LINEA 220Vac 220Vac LINE		ROVER B 2.30		= A		Gr.Fun. AJ1			
001										P.M. 04-0087M		P.M. 2003/014		010.010	
REV. MODIFICA DATA				DISEGNATORE		VER. E APPR.		SCHEMA DIAGRAM		MATRICOLA SERIAL NUMBER		39076		110 F.S.	



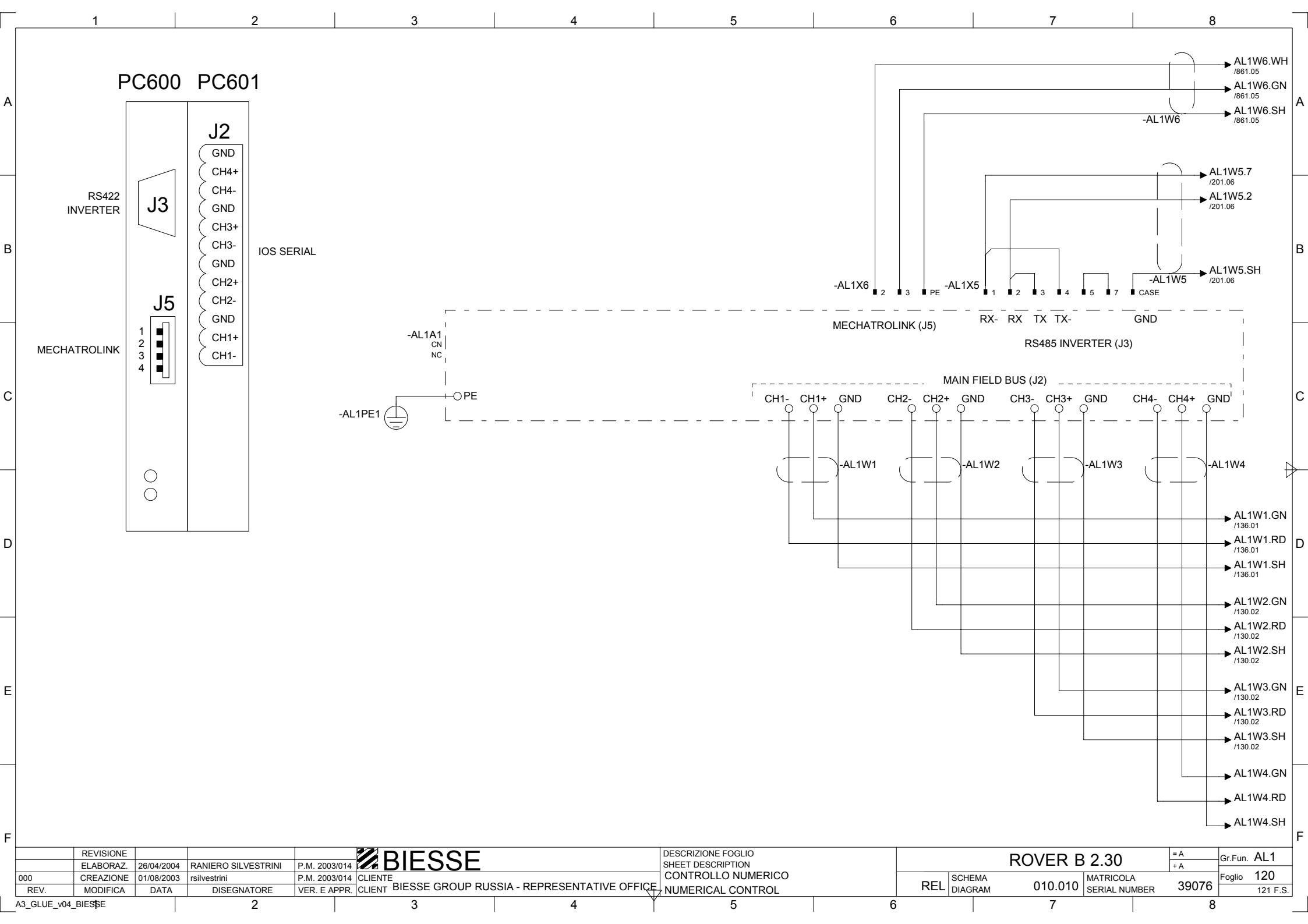
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000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014

BIESSE
 CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOGLIO
 SHEET DESCRIPTION
 PRESA AUSILIARIA
 AUXILIARY PLUG

REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	= A	Gr.Fun. AJ5
					+ A	

Foglio	110
	120 F.S.

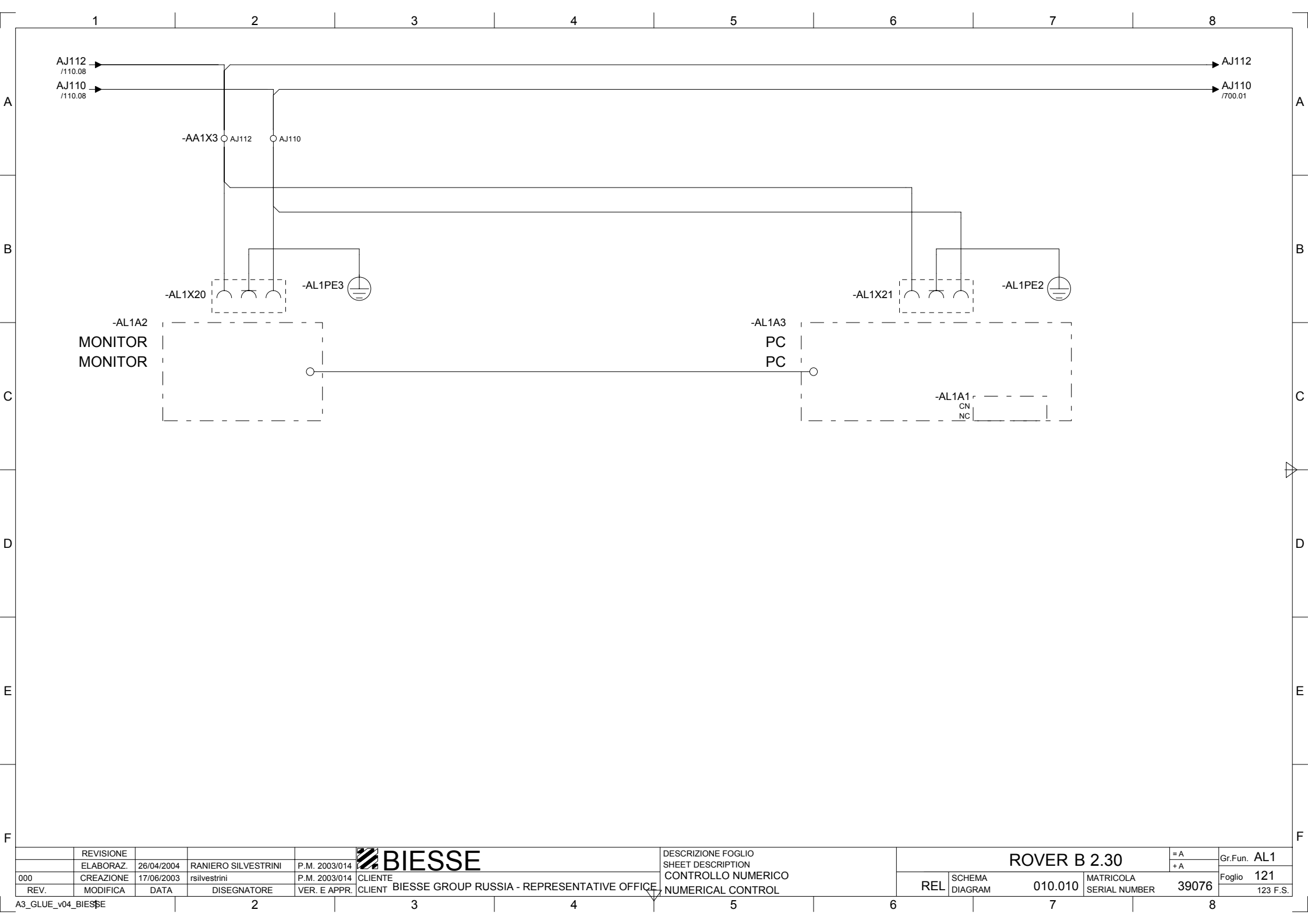


REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	01/08/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

BIESSE
 CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOGLIO
 SHEET DESCRIPTION
 CONTROLLO NUMERICO
 NUMERICAL CONTROL

ROVER B 2.30				= A	Gr.Fun. AL1
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 120 121 F.S.



	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

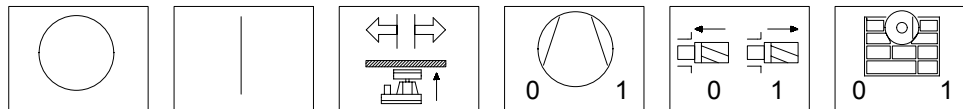
BIESSE
 CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOGLIO
 SHEET DESCRIPTION
 CONTROLLO NUMERICO
 NUMERICAL CONTROL

ROVER B 2.30
 REL SCHEMA DIAGRAM 010.010
 MATRICOLA SERIAL NUMBER 39076

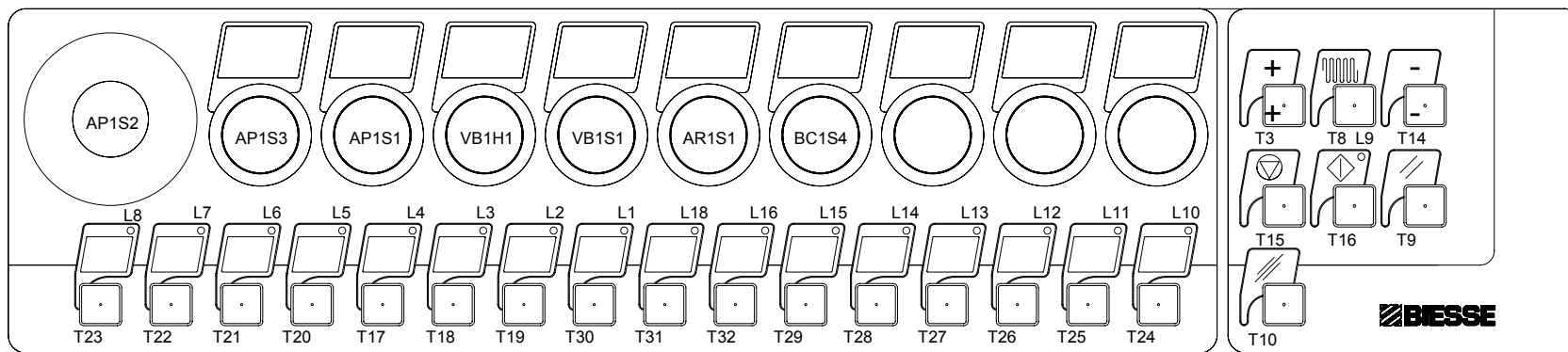
= A	Gr.Fun. AL1
+ A	Foglio 121
	123 F.S.

A



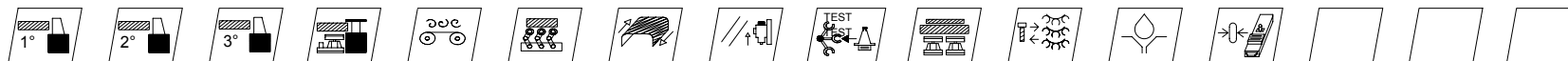
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C



D

E



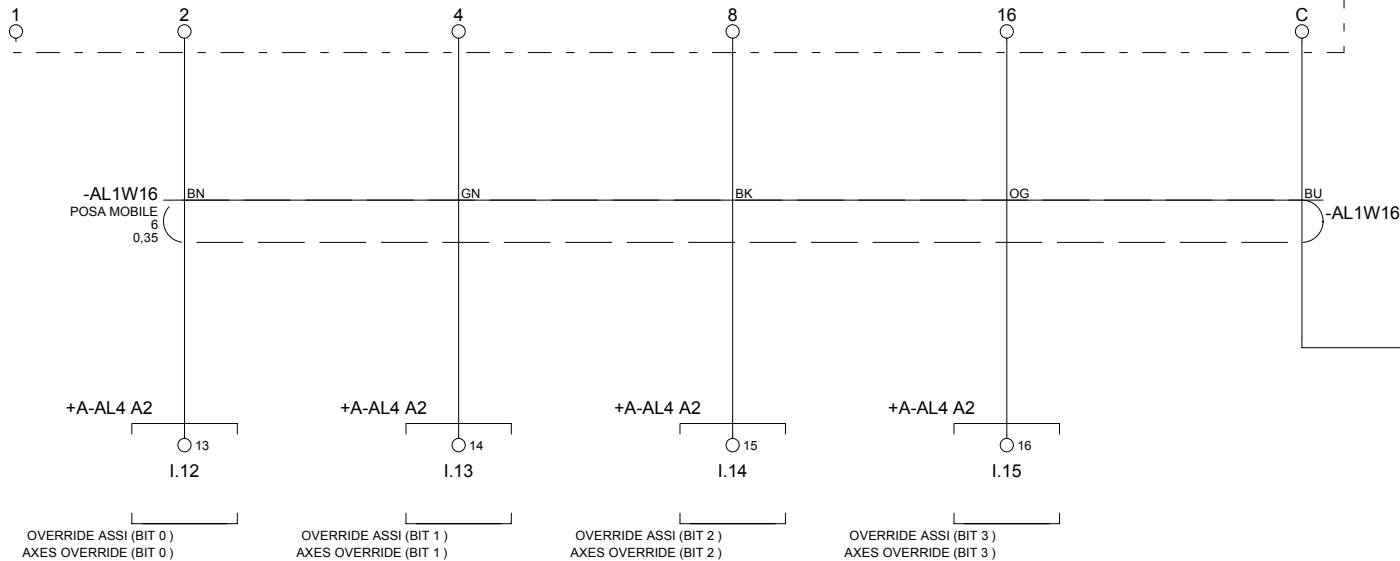
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REVISIONE		ELABORAZ. 26/04/2004		RANIERO SILVESTRINI		P.M. 2003/014				DESCRIZIONE FOLGIO SHEET DESCRIPTION CONTROLLO NUMERICO NUMERICAL CONTROL		ROVER B 2.30		= A		Gr.Fun. AL1	
000 CREAZIONE		17/06/2003		rsilvestrini		P.M. 2003/014								CLIENTE		MATRICOLA	
REV. MODIFICA		DATA		DISEGNATORE		VER. E APPR.		CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		REL SCHEMA DIAGRAM		010.010		SERIAL NUMBER		39076	

AG122 /96.08 → AG122 /135.01

-AL1S2
OVERRIDE REMOTO
REMOTE OVERRIDE

-AA1X1 AG122



OVERRIDE ASSI (BIT 0)
AXES OVERRIDE (BIT 0)

OVERRIDE ASSI (BIT 1)
AXES OVERRIDE (BIT 1)

OVERRIDE ASSI (BIT 2)
AXES OVERRIDE (BIT 2)

OVERRIDE ASSI (BIT 3)
AXES OVERRIDE (BIT 3)

REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014
000	CREAZIONE	26/11/2003	rsilvestrini	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.

BIESSE
CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
SHEET DESCRIPTION
CONTROLLO NUMERICO
NUMERICAL CONTROL

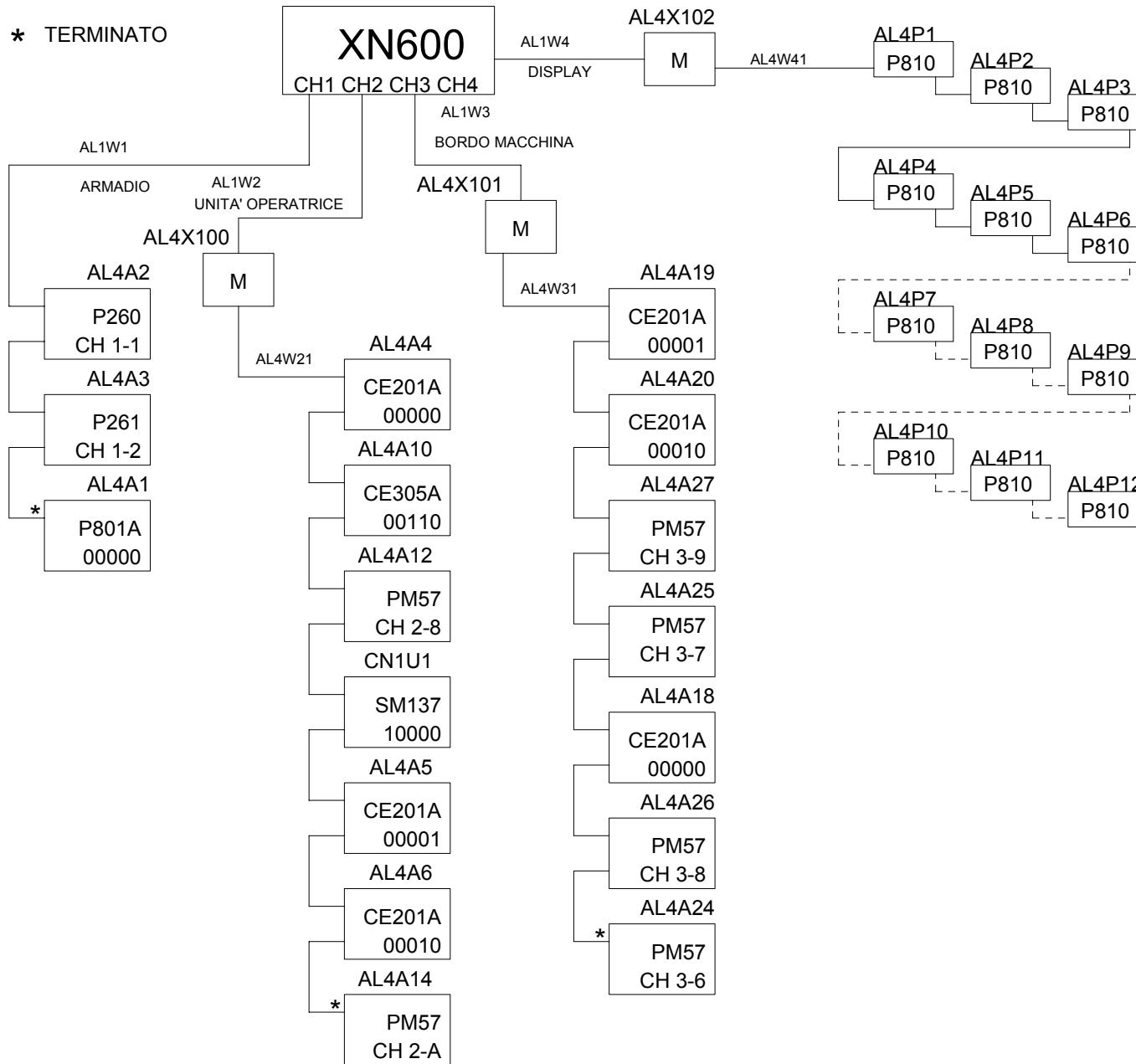
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076
-----	----------------	---------	-------------------------	-------

Gr.Fun.	AL1
Foglio	126
	129 F.S.

ROVER B 2.30

= A
+ A

* TERMINATO



P.D.L. DISPLAY

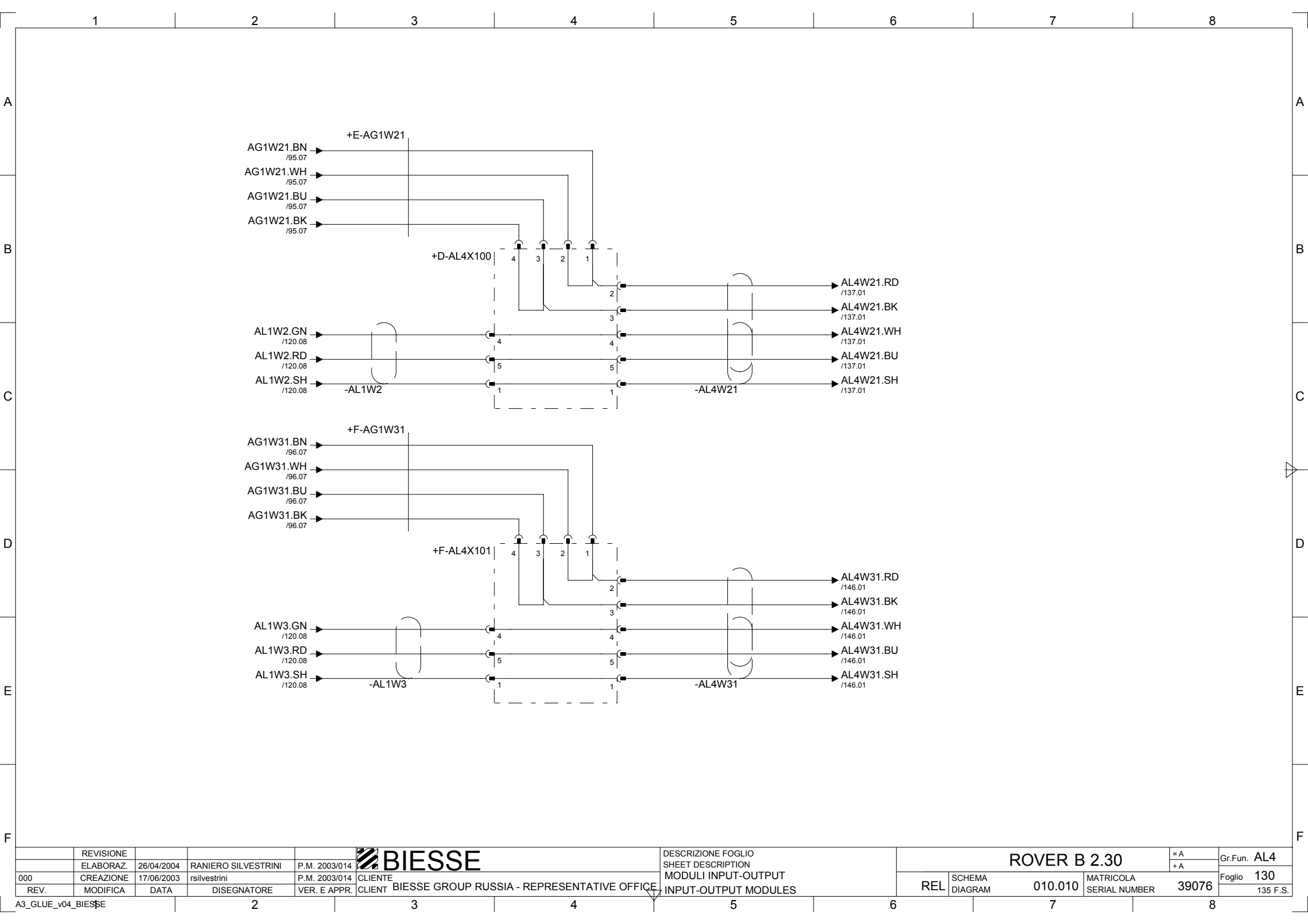
N°	6 P.D.L.	N°	8 P.D.L.	N°	10 P.D.L.	N°	12 P.D.L.
1	CH 4-0	1	CH 4-0	1	CH 4-0	1	CH 4-0
2	CH 4-1	2	CH 4-1	2	CH 4-1	2	CH 4-1
3	CH 4-2	3	CH 4-2	3	CH 4-2	3	CH 4-2
4	CH 4-3	4	CH 4-3	4	CH 4-3	4	CH 4-3
5	CH 4-4	5	CH 4-4	5	CH 4-4	5	CH 4-4
6	CH 4-5 *	6	CH 4-5	6	CH 4-5	6	CH 4-5
		7	CH 4-6	7	CH 4-6	7	CH 4-6
		8	CH 4-7 *	8	CH 4-7	8	CH 4-7
				11		11	CH 4-A
				9	CH 4-8	9	CH 4-8
				10	CH 4-9 *	10	CH 4-9
				12		12	CH 4-B *

REVISIONE	ELABORAZ.	DATA	RANIERO SILVESTRINI	P.M. 2003/014
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.

BIESSE
 CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOGLIO
 SHEET DESCRIPTION
 MODULI INPUT-OUTPUT
 INPUT-OUTPUT MODULES

ROVER B 2.30				=A	Gr.Fun. AL4
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 129
				+A	130 F.S.

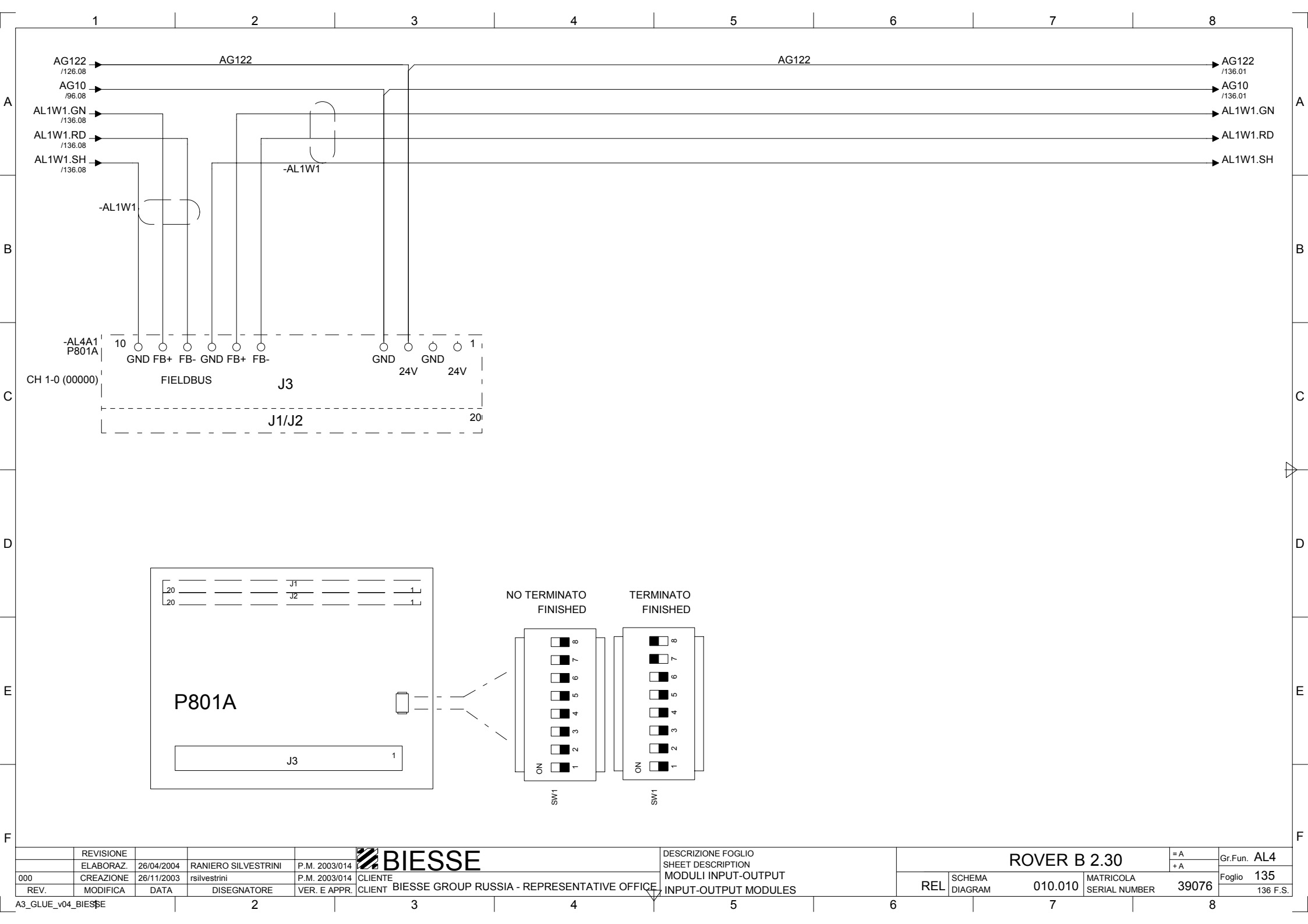


	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
SHEET DESCRIPTION
MODULI INPUT-OUTPUT
INPUT-OUTPUT MODULES

ROVER B 2.30				= A	Gr.Fun. AL4
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 130 135 F.S.

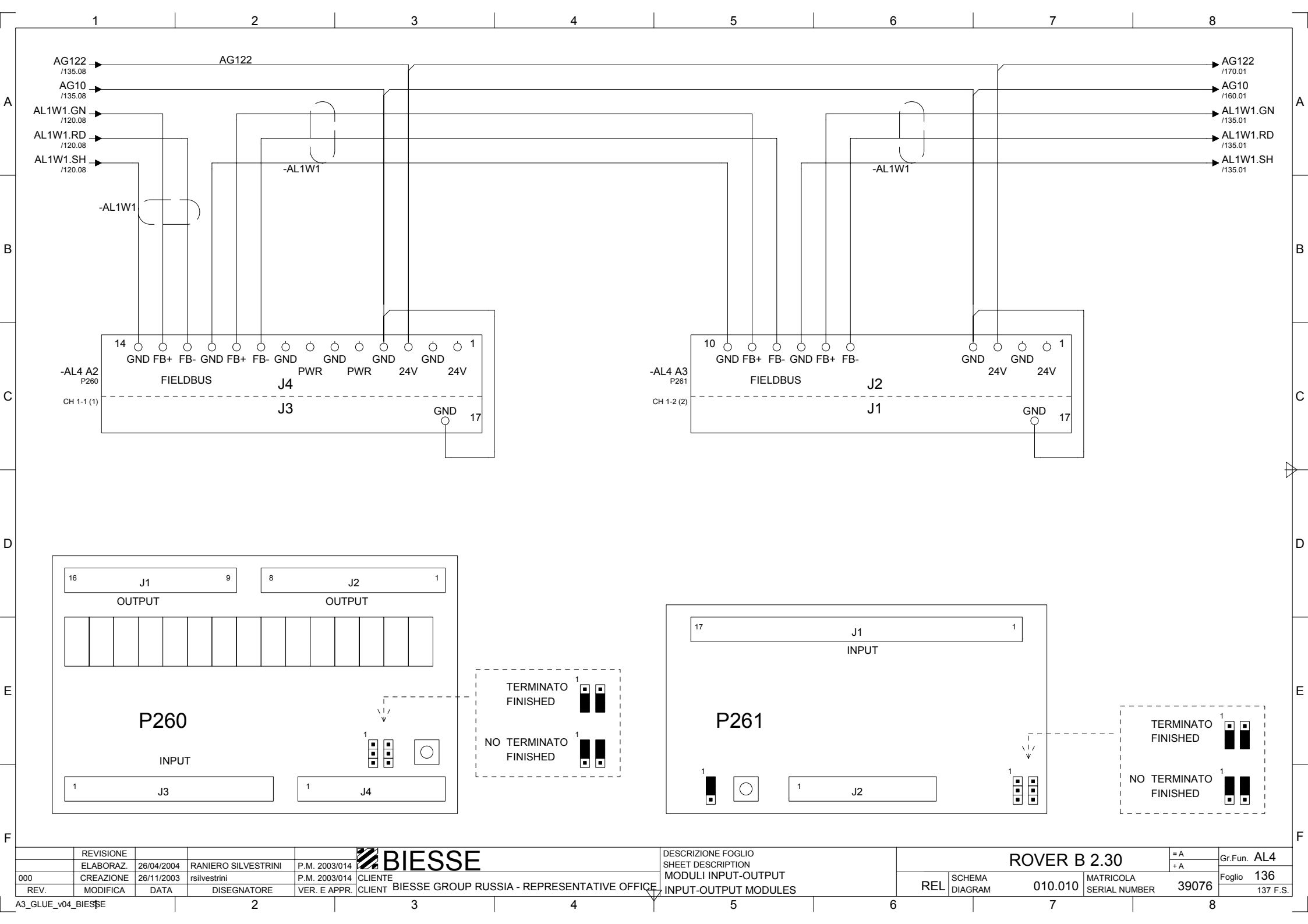


	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

CLIENTE
 CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

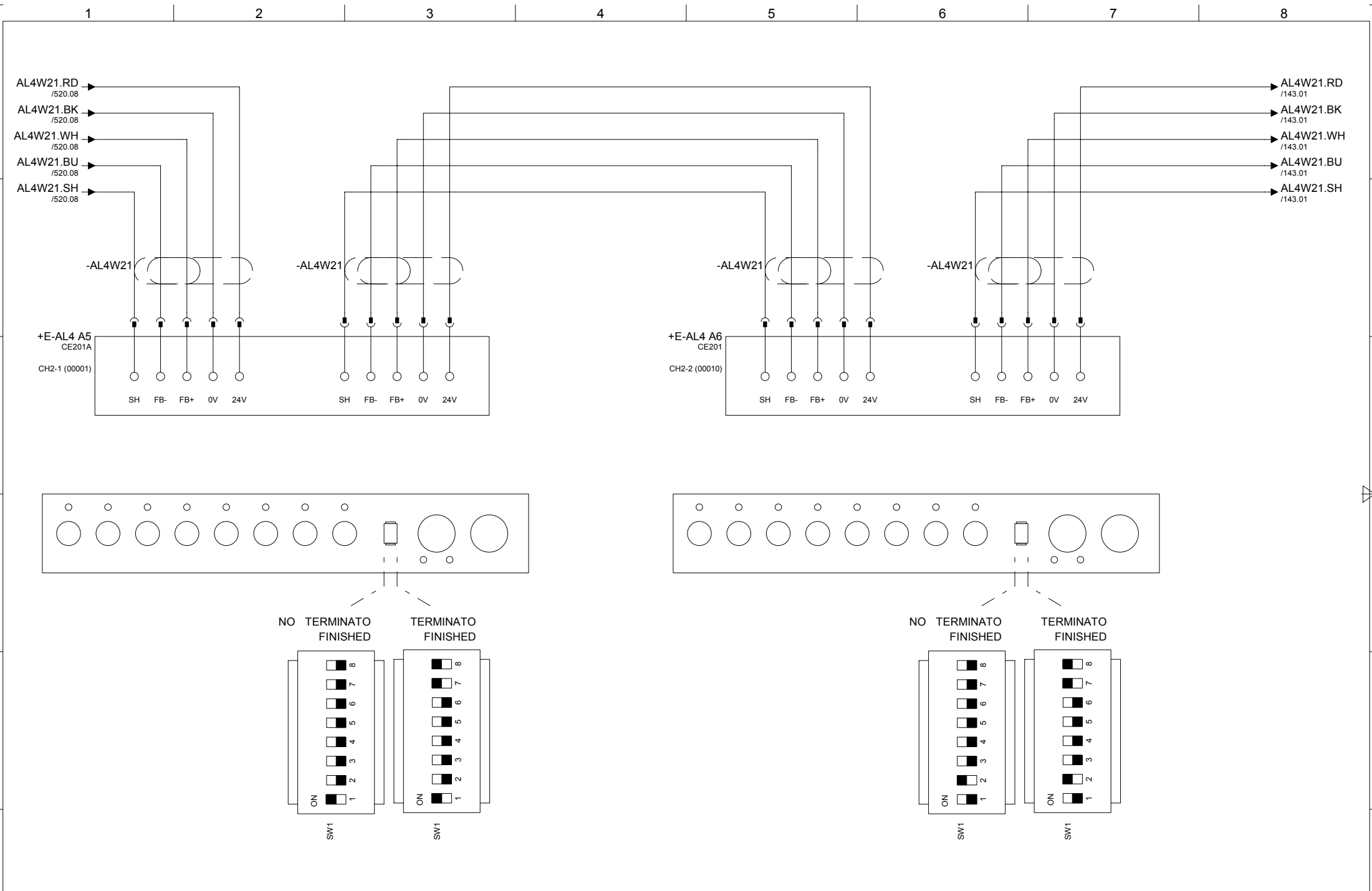
DESCRIZIONE FOGLIO
 SHEET DESCRIPTION
 MODULI INPUT-OUTPUT
 INPUT-OUTPUT MODULES

ROVER B 2.30				= A	Gr.Fun. AL4
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 135 136 F.S.



REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	 BIESSE CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

DESCRIZIONE FOLGIO				ROVER B 2.30		= A	Gr.Fun. AL4
SHEET DESCRIPTION						+ A	
MODULI INPUT-OUTPUT							Foglio 136
INPUT-OUTPUT MODULES				REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER 39076
							137 F.S.

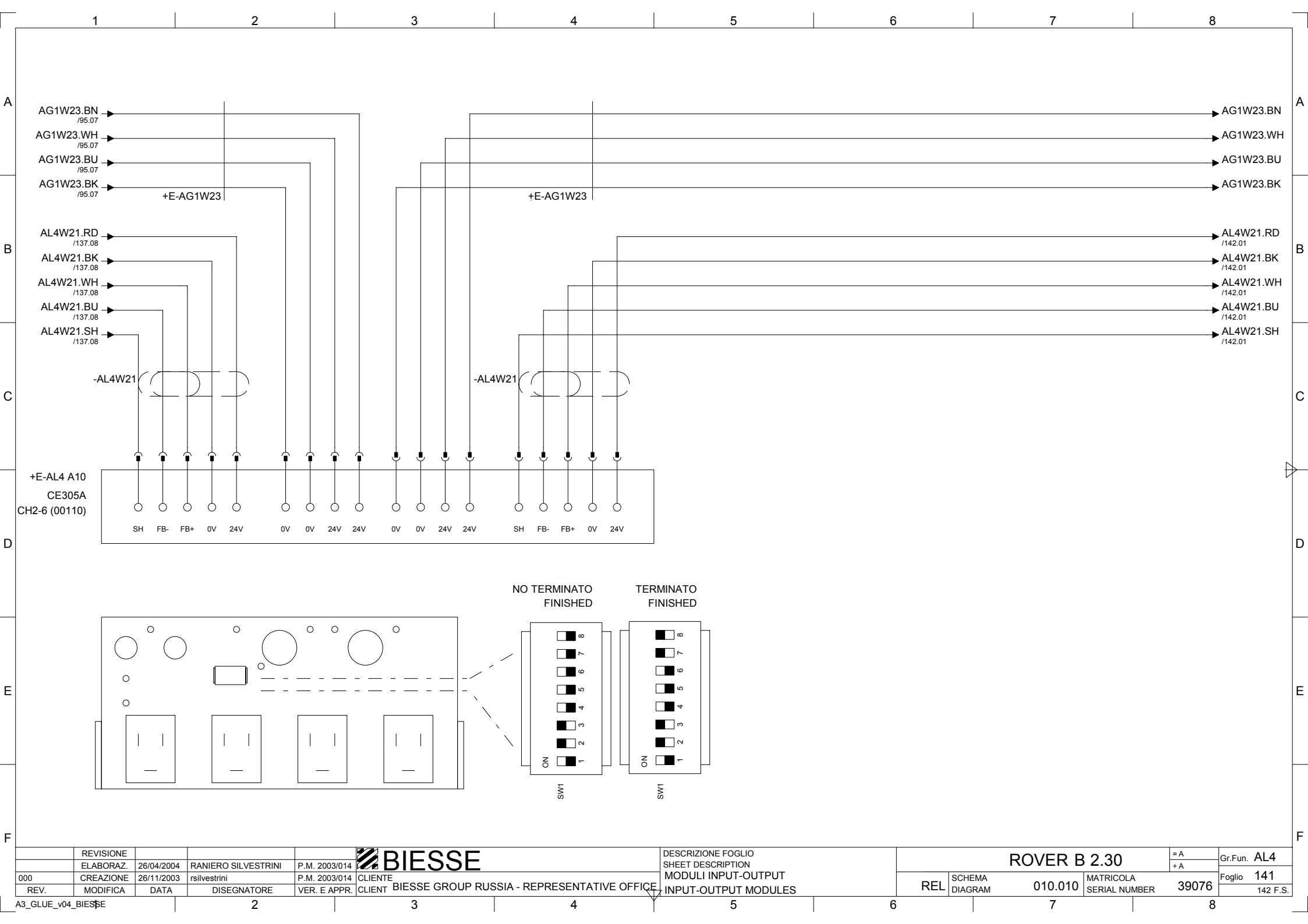


	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

CLIENTE
 CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
 SHEET DESCRIPTION
 MODULI INPUT-OUTPUT
 INPUT-OUTPUT MODULES

ROVER B 2.30				= A	Gr.Fun. AL4
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 138 141 F.S.

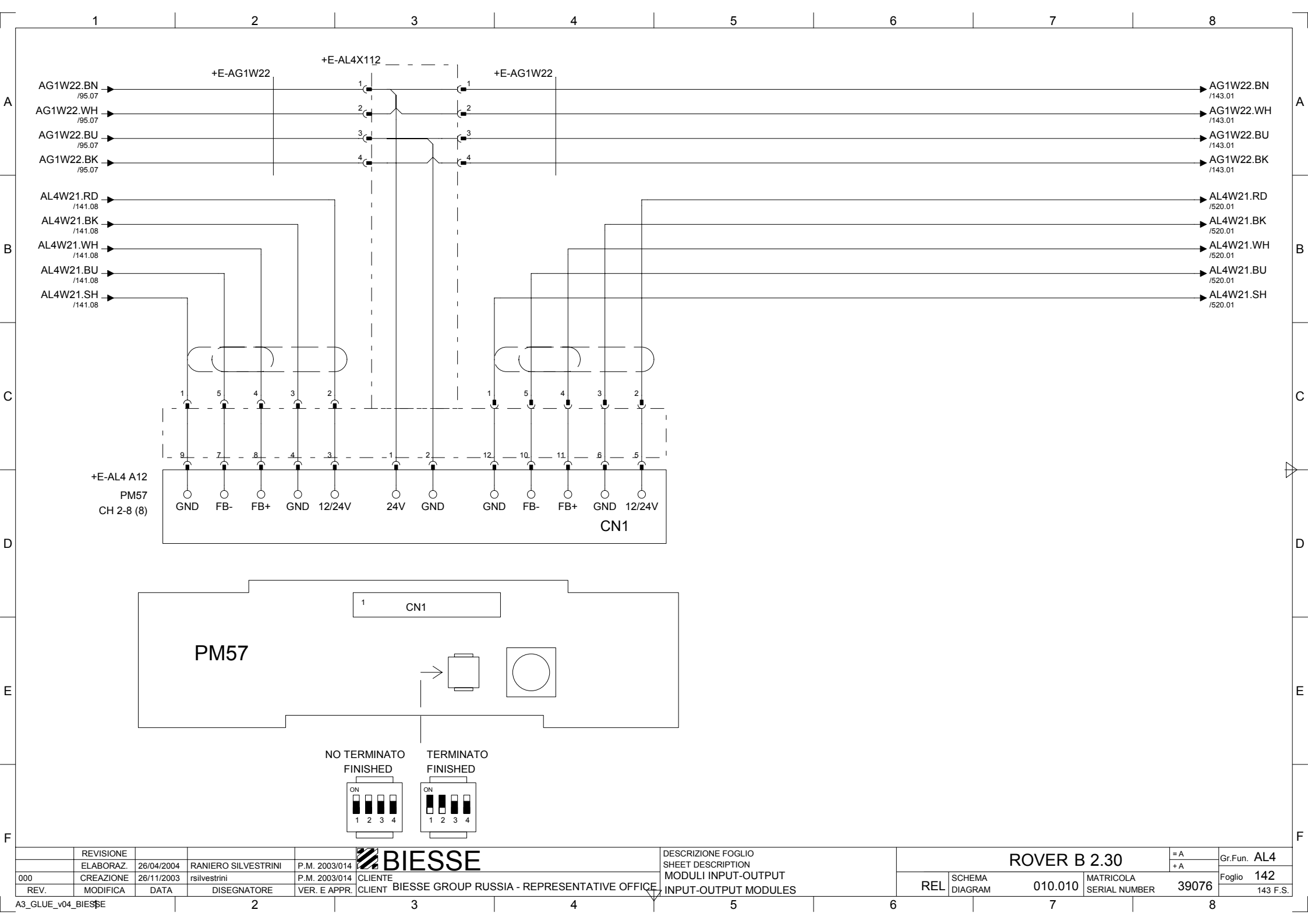


	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014	CLIENTE
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE



DESCRIZIONE FOGLIO
SHEET DESCRIPTION
MODULI INPUT-OUTPUT
INPUT-OUTPUT MODULES

ROVER B 2.30				= A	Gr.Fun. AL4
				+ A	Foglio 141
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	142 F.S.

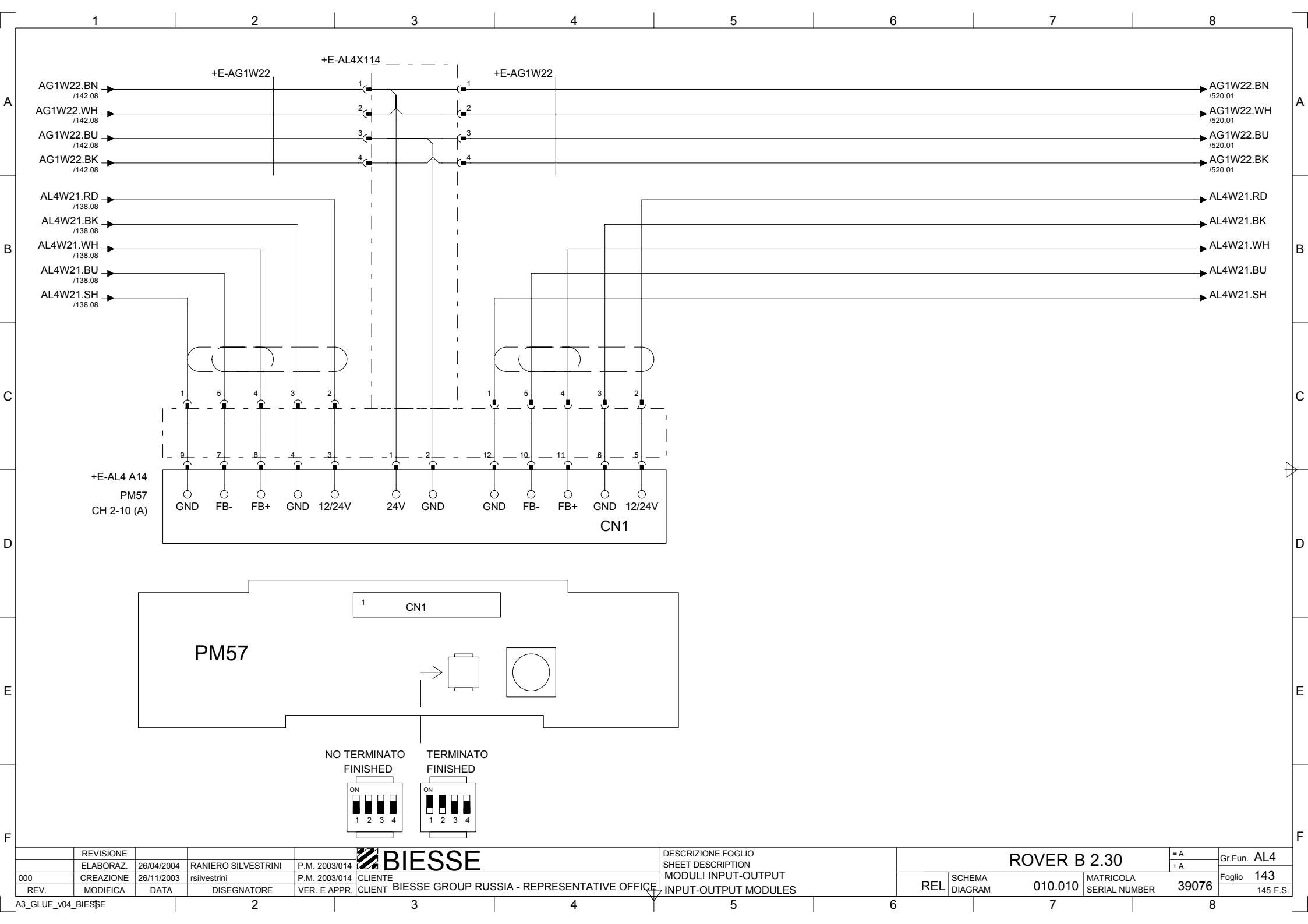


	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

BIESSE
 CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
 SHEET DESCRIPTION
 MODULI INPUT-OUTPUT
 INPUT-OUTPUT MODULES

ROVER B 2.30				= A	Gr.Fun. AL4
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 142 143 F.S.

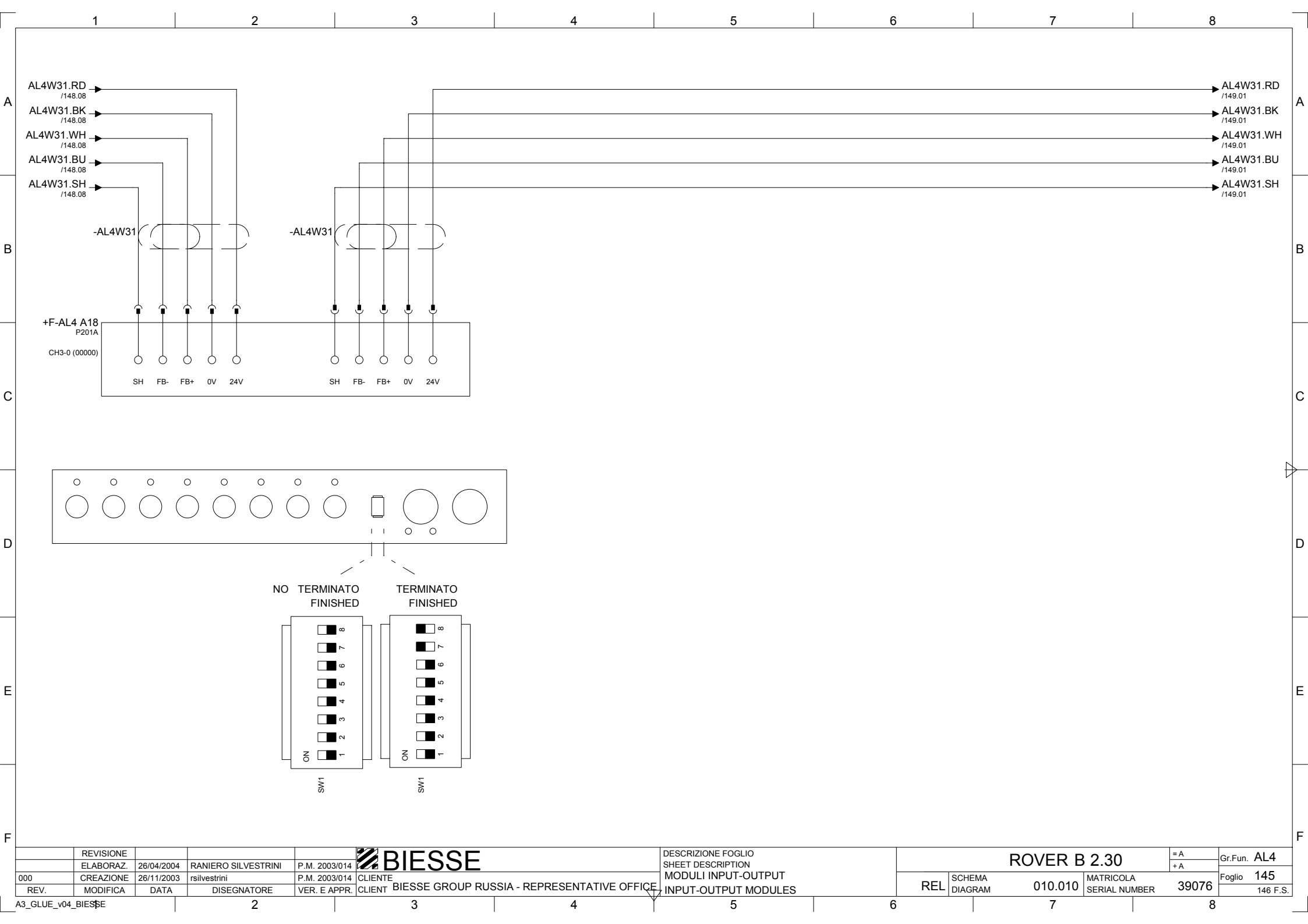


REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.

BIESSE
 CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOGLIO
 SHEET DESCRIPTION
 MODULI INPUT-OUTPUT
 INPUT-OUTPUT MODULES

ROVER B 2.30				= A	Gr.Fun. AL4
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 143 145 F.S.

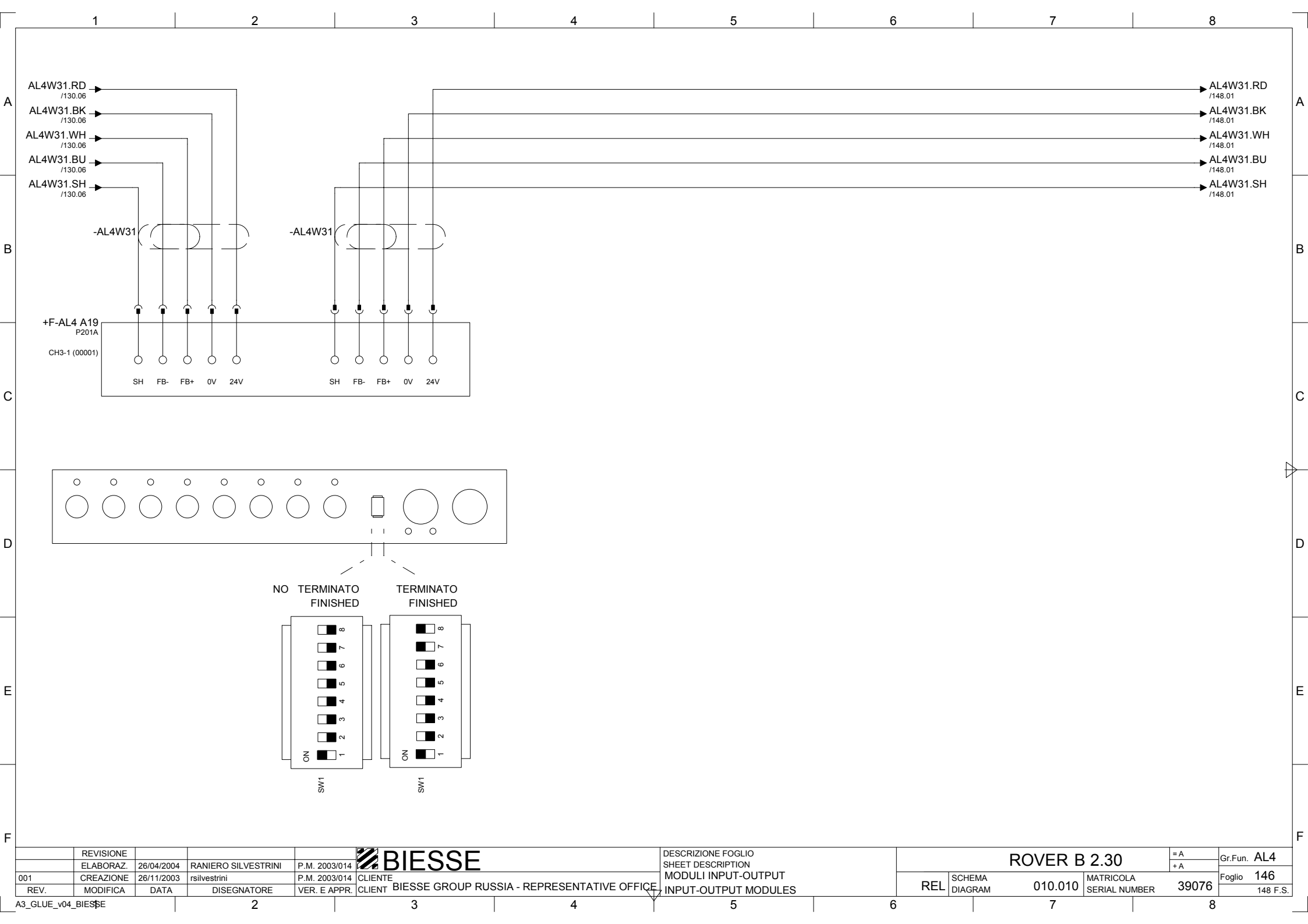


	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014	CLIENTE
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE



DESCRIZIONE FOGLIO
SHEET DESCRIPTION
MODULI INPUT-OUTPUT
INPUT-OUTPUT MODULES

ROVER B 2.30				=A	Gr.Fun. AL4
				+A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 145 146 F.S.

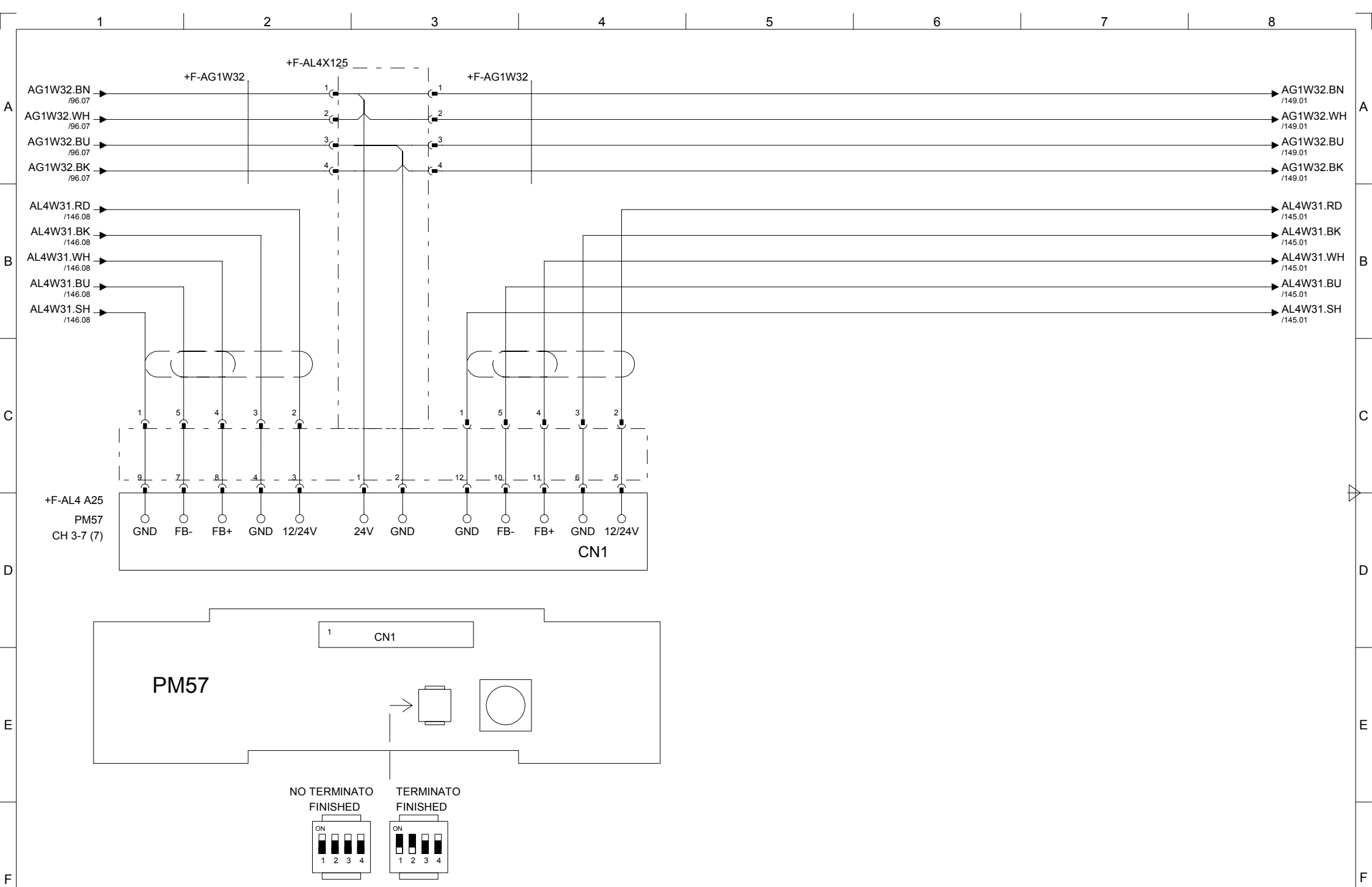


	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
001	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

CLIENTE
 CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOGLIO
 SHEET DESCRIPTION
 MODULI INPUT-OUTPUT
 INPUT-OUTPUT MODULES

ROVER B 2.30				= A	Gr.Fun. AL4
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 146 148 F.S.



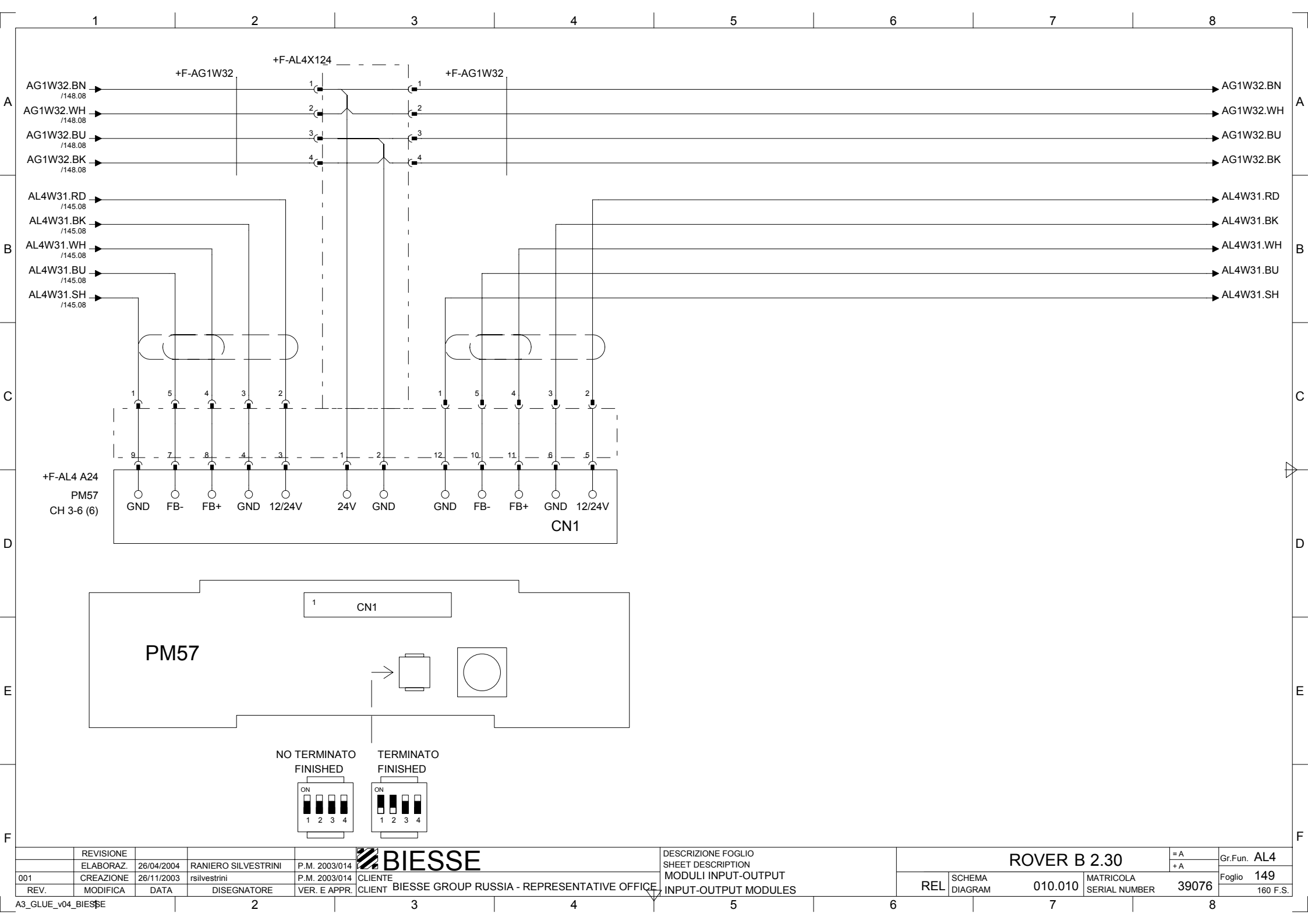
REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014
001	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.

BIESSE

CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOGLIO
SHEET DESCRIPTION
MODULI INPUT-OUTPUT
INPUT-OUTPUT MODULES

ROVER B 2.30				= A	Gr.Fun. AL4
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 148 149 F.S.

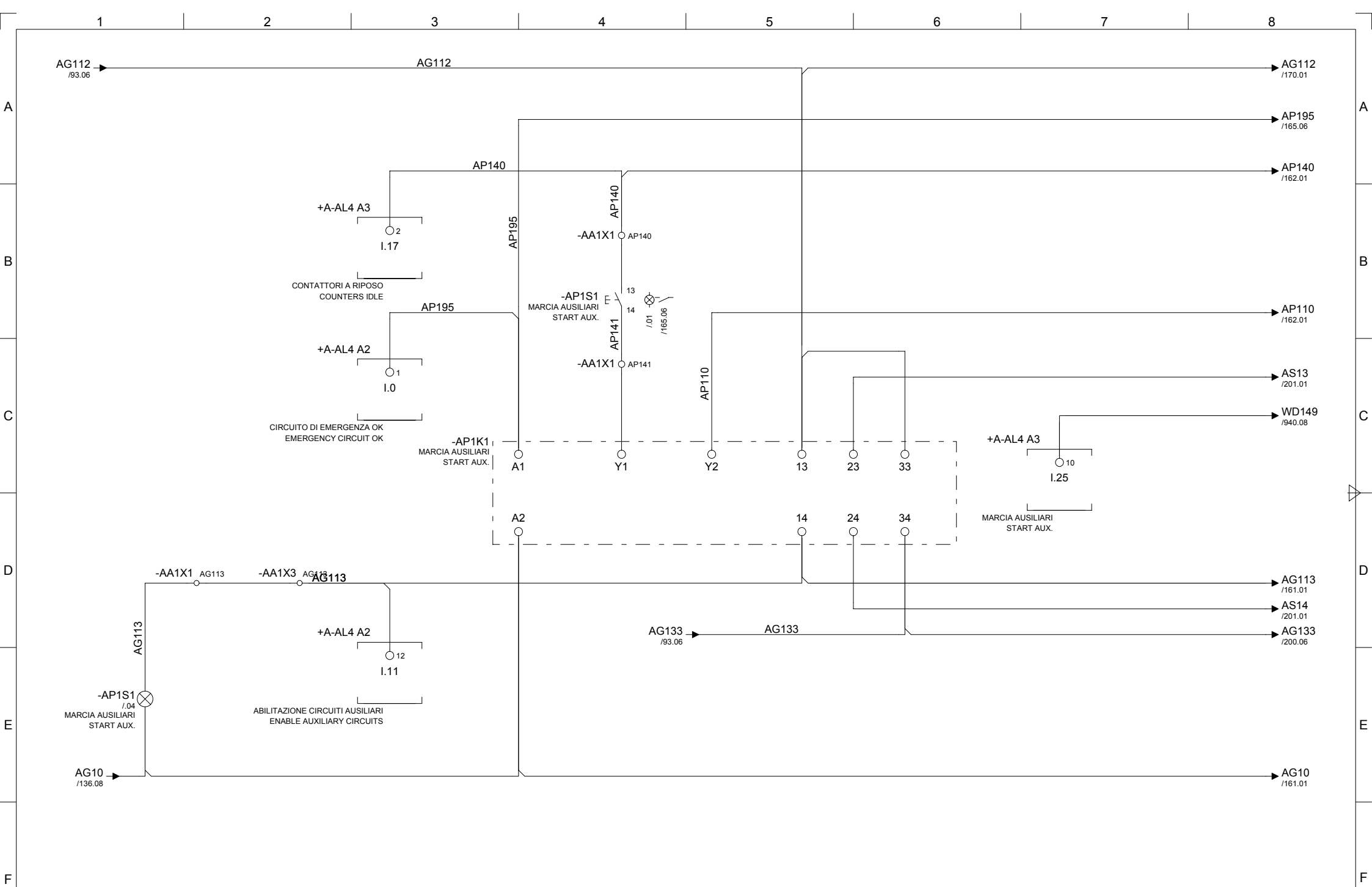


	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
001	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

DESCRIZIONE FOGLIO
SHEET DESCRIPTION
MODULI INPUT-OUTPUT
INPUT-OUTPUT MODULES

CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

ROVER B 2.30				= A	Gr.Fun. AL4
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 149 160 F.S.



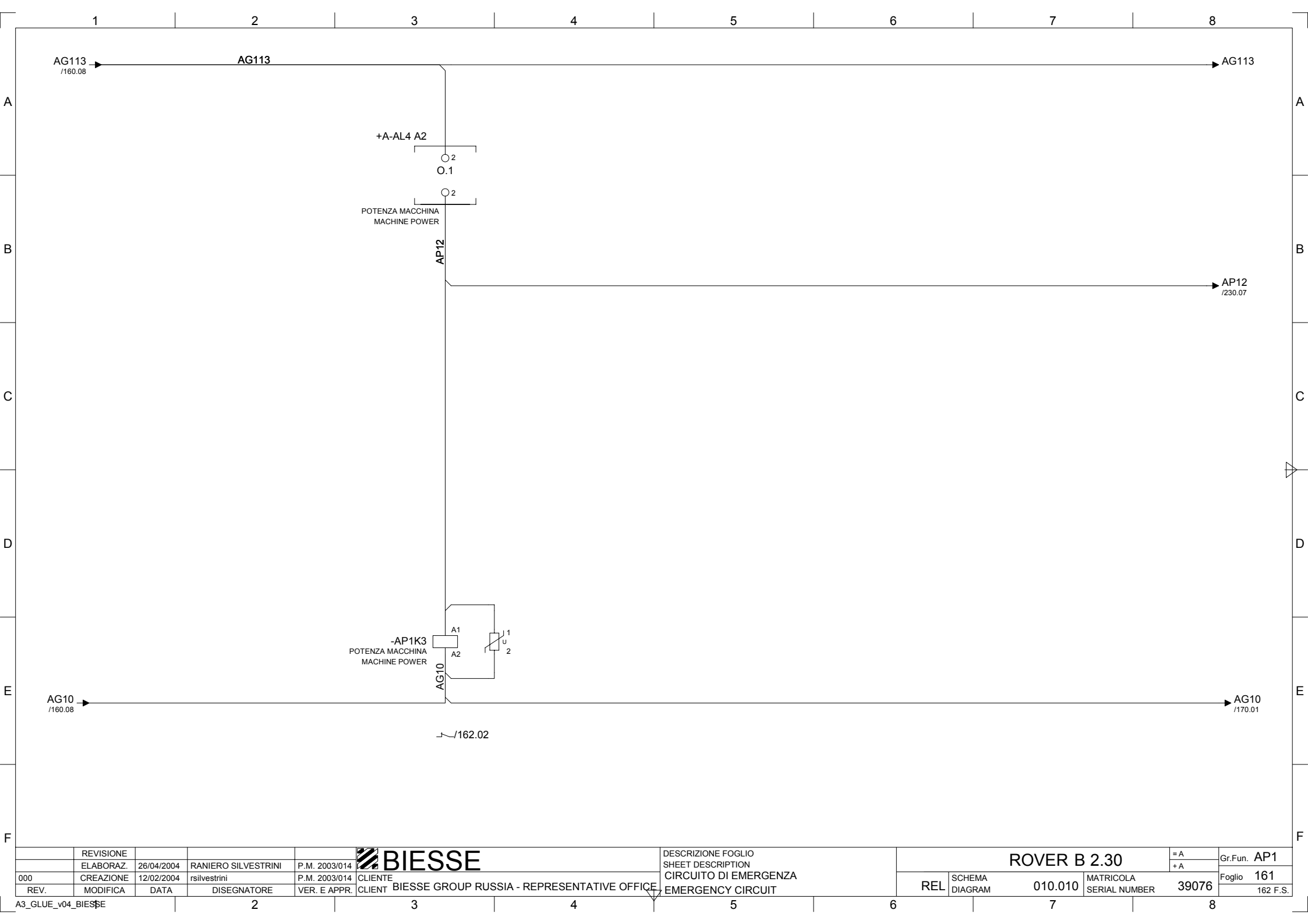
REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014
000	CREAZIONE	12/02/2004	rsilvestrini	P.M. 2003/014
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.


BIESSE

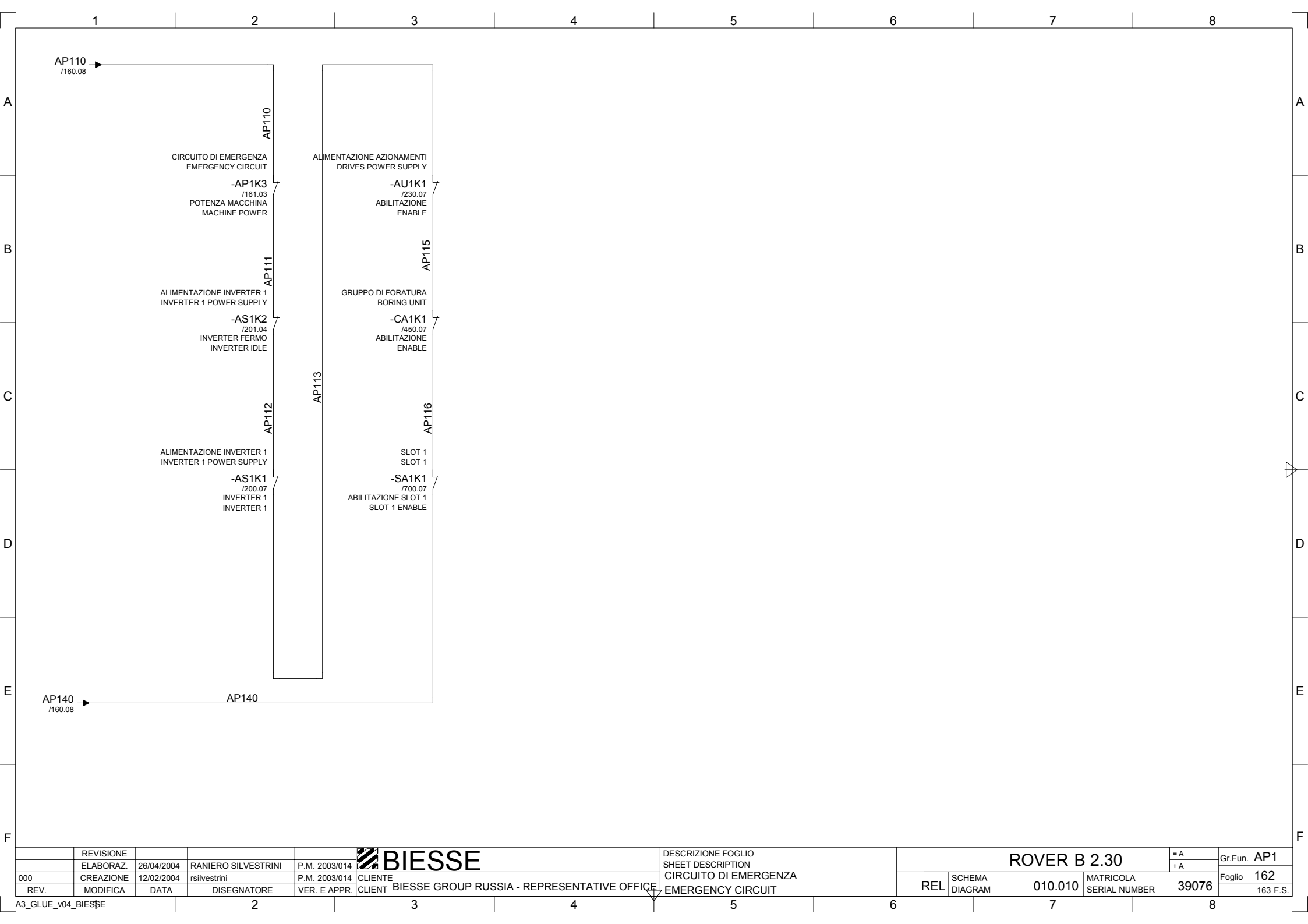
CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE


DESCRIZIONE FOLGIO
SHEET DESCRIPTION
CIRCUITO DI EMERGENZA
EMERGENCY CIRCUIT

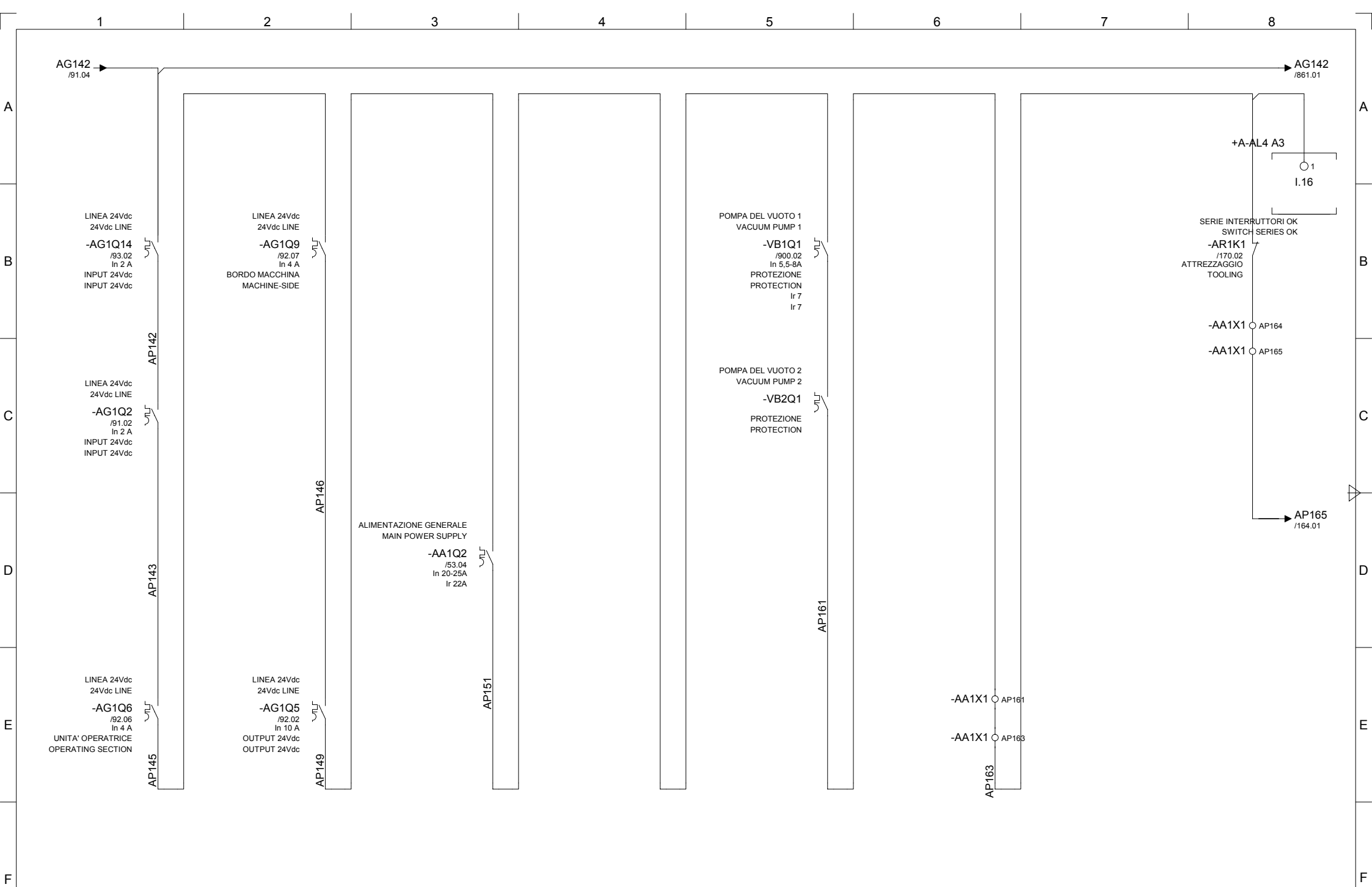
ROVER B 2.30				= A	Gr.Fun. AP1
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 160
				+ A	161 F.S.



REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	 BIESSE DESCRIZIONE FOGLIO SHEET DESCRIPTION CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT	ROVER B 2.30 = A + A Gr.Fun. AP1				
000	CREAZIONE	12/02/2004	rsilvestrini	P.M. 2003/014					REL	SCHEMA DIAGRAM
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE					



	REVISIONE				 BIESSE	DESCRIZIONE FOGLIO SHEET DESCRIPTION CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT	ROVER B 2.30			= A	Gr.Fun. AP1	
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014						+ A		
000	CREAZIONE	12/02/2004	rsilvestrini	P.M. 2003/014								Foglio 162
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.						CLIENTE CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		Foglio 163 F.S.



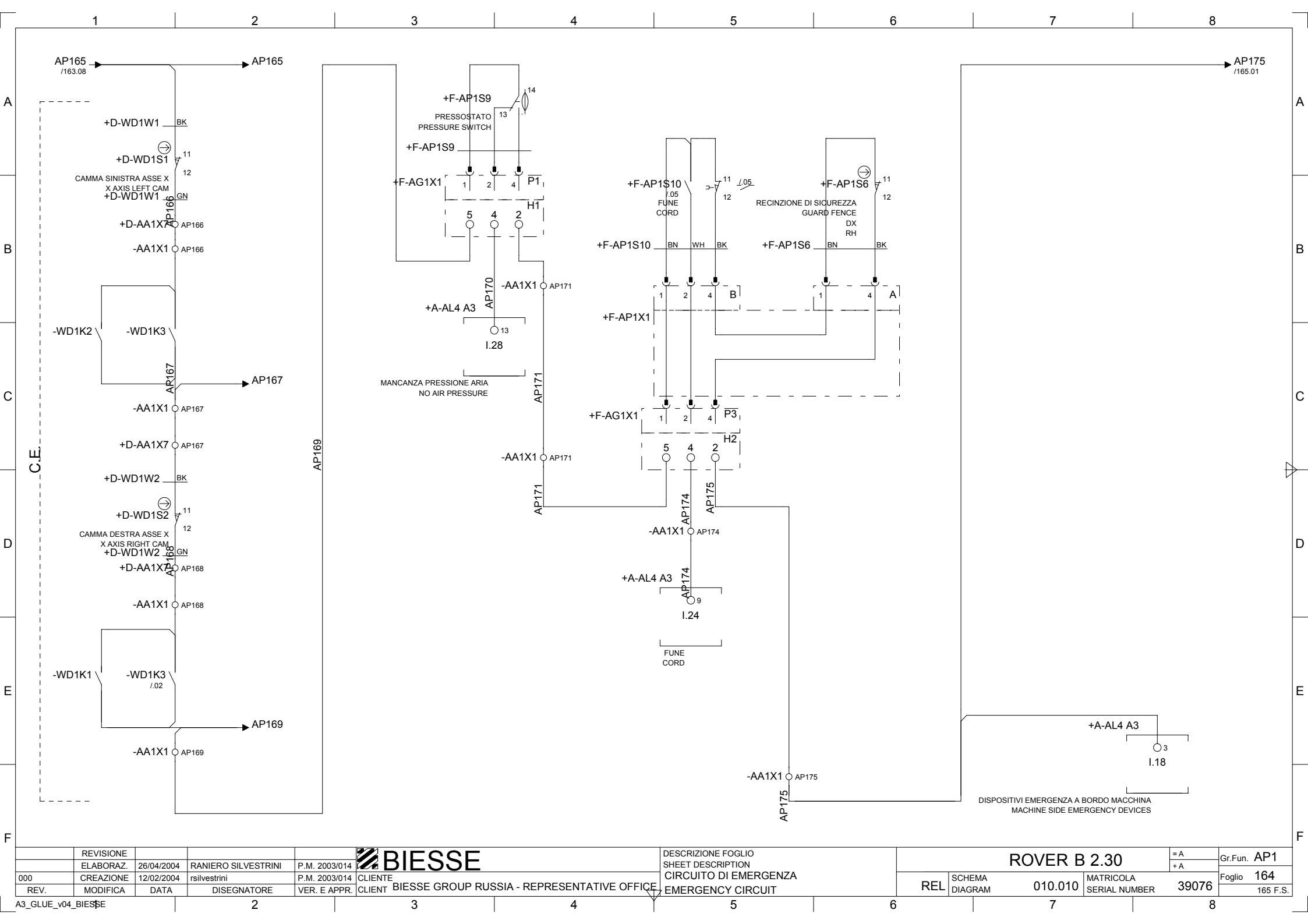
	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	12/02/2004	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

CLIENTE
 CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOGLIO
 SHEET DESCRIPTION
 CIRCUITO DI EMERGENZA
 EMERGENCY CIRCUIT

ROVER B 2.30
 REL SCHEMA DIAGRAM 010.010

= A
 + A
 Gr.Fun. AP1
 Foglio 163
 164 F.S.



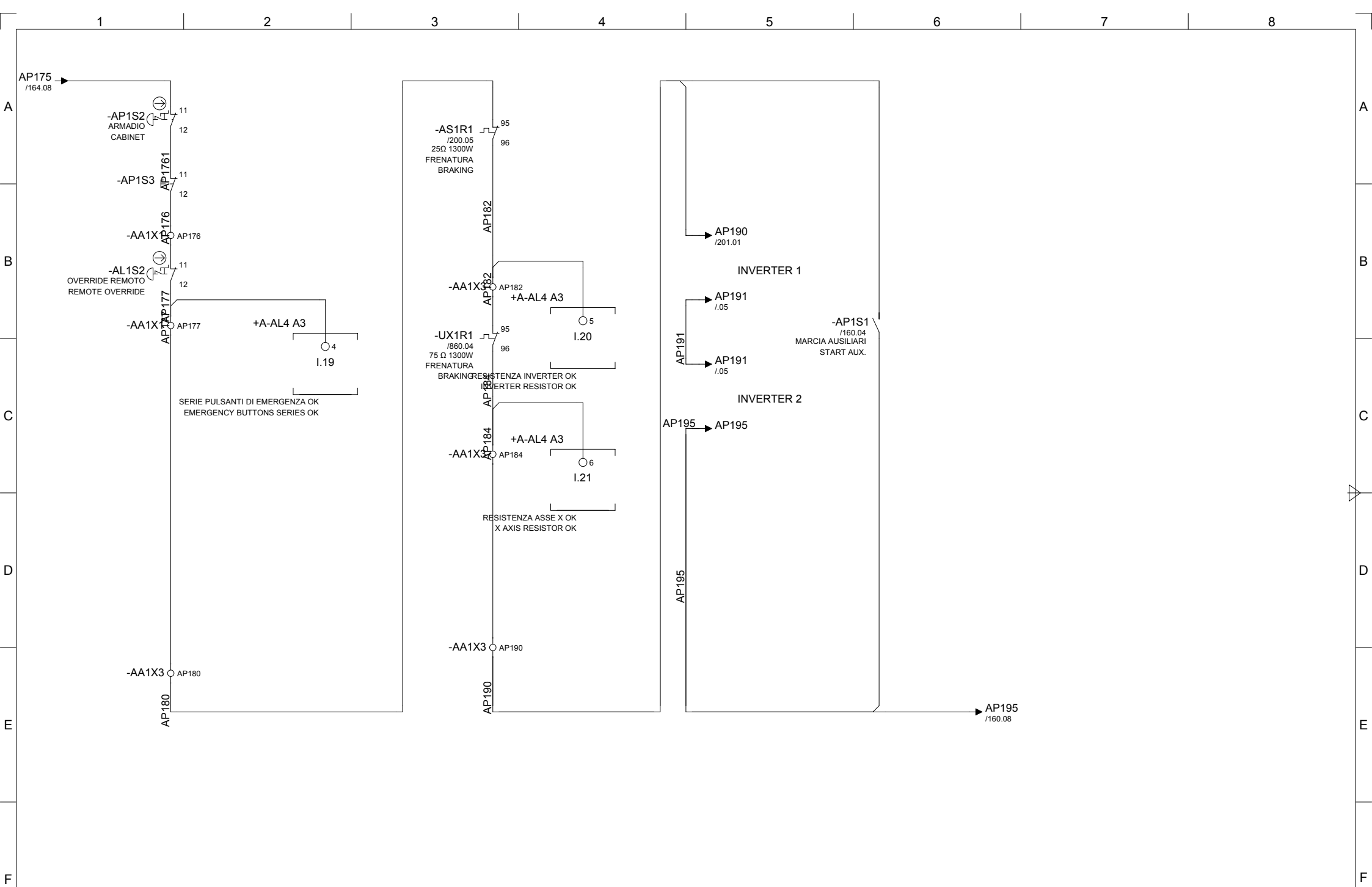
REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014
000	CREAZIONE	12/02/2004	rsilvestrini	P.M. 2003/014
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.

BIESSE
 CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

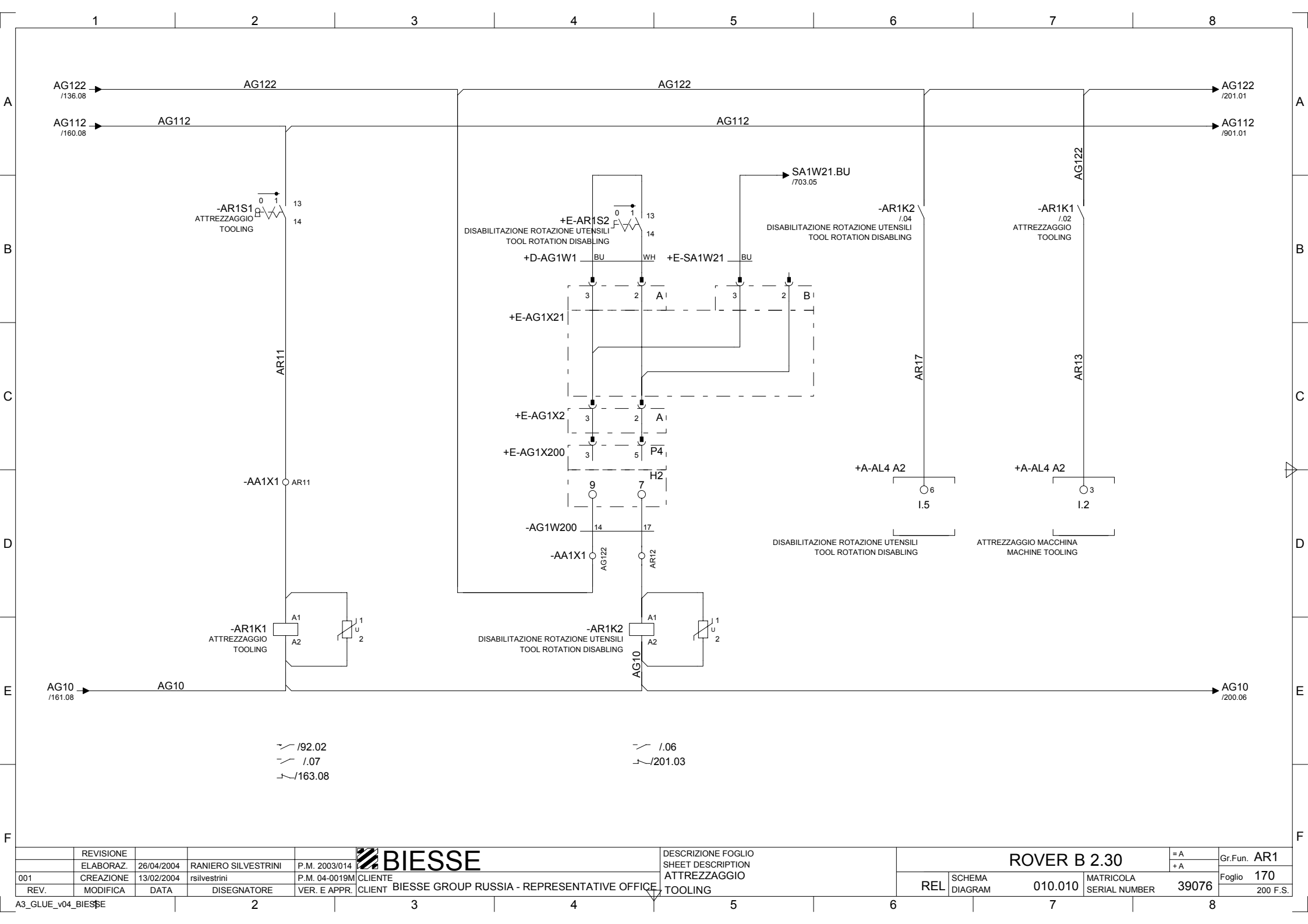
DESCRIZIONE FOGLIO
 SHEET DESCRIPTION
CIRCUITO DI EMERGENZA
 EMERGENCY CIRCUIT

ROVER B 2.30
 REL SCHEMA DIAGRAM 010.010
 MATRICOLA SERIAL NUMBER 39076

= A Gr.Fun. AP1
 + A Foglio 164
 165 F.S.



						DESCRIZIONE FOLGIO SHEET DESCRIPTION CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT		ROVER B 2.30			= A	Gr.Fun. AP1	
											+ A	Foglio 165	
REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014				REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	170 F.S.
000	CREAZIONE	12/02/2004	rsilvestrini	P.M. 2003/014	CLIENTE	BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE							
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	CLIENT								

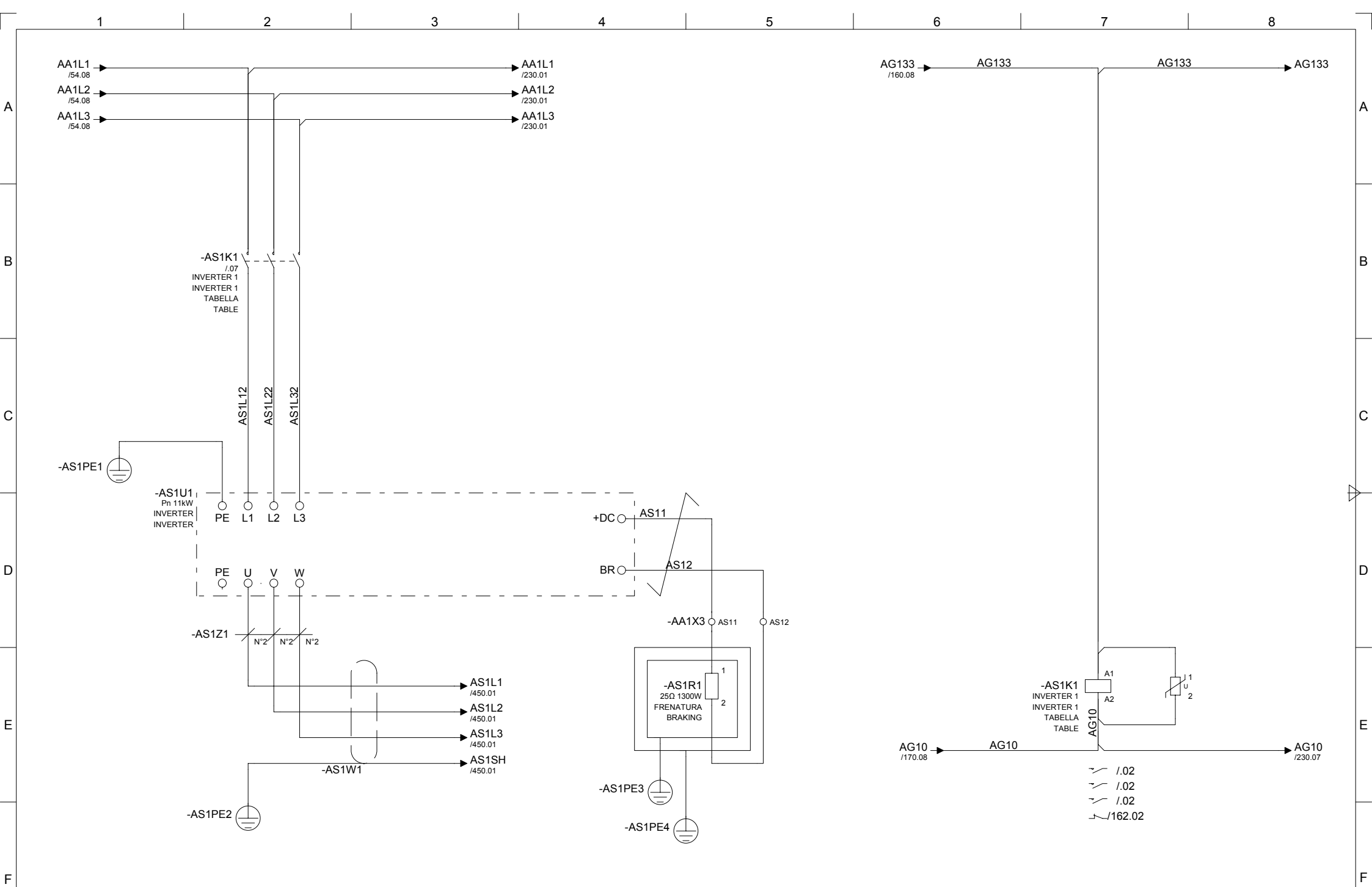


REVISIONE	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014
001 CREAZIONE	13/02/2004	rsilvestrini	P.M. 04-0019M
REV. MODIFICA	DATA	DISEGNATORE	VER. E APPR.

BIESSE
 CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
 SHEET DESCRIPTION
 ATTREZZAGGIO
 TOOLING

ROVER B 2.30				= A	Gr.Fun. AR1
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 170 200 F.S.

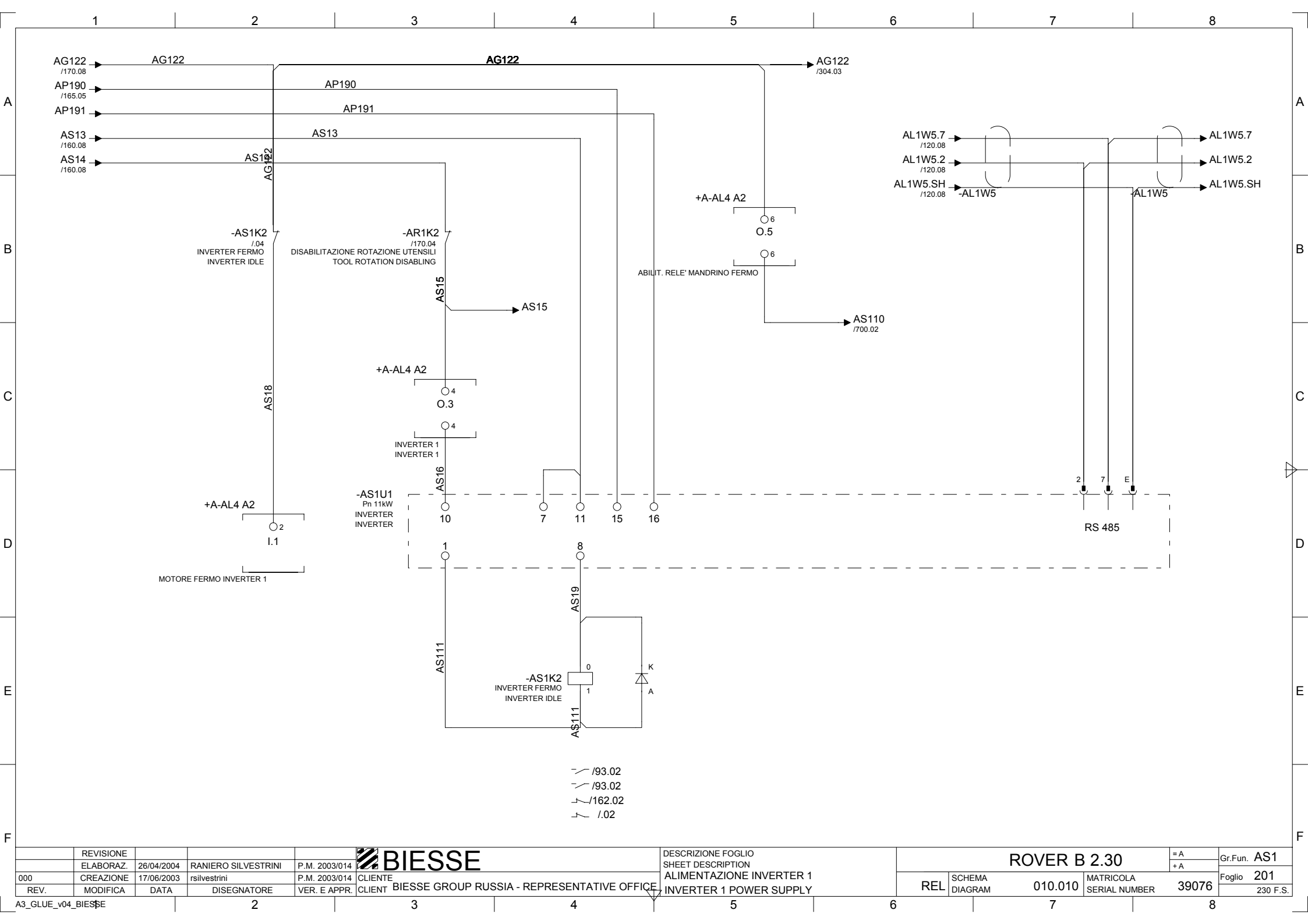


REVISIONE	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014
ELABORAZ.	17/06/2003	rsilvestrini	P.M. 2003/014
000 CREAZIONE			
REV. MODIFICA	DATA	DISEGNATORE	VER. E APPR.

BIESSE
 CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
 SHEET DESCRIPTION
ALIMENTAZIONE INVERTER 1
 INVERTER 1 POWER SUPPLY

ROVER B 2.30				= A	Gr.Fun. AS1
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 200
				201 F.S.	

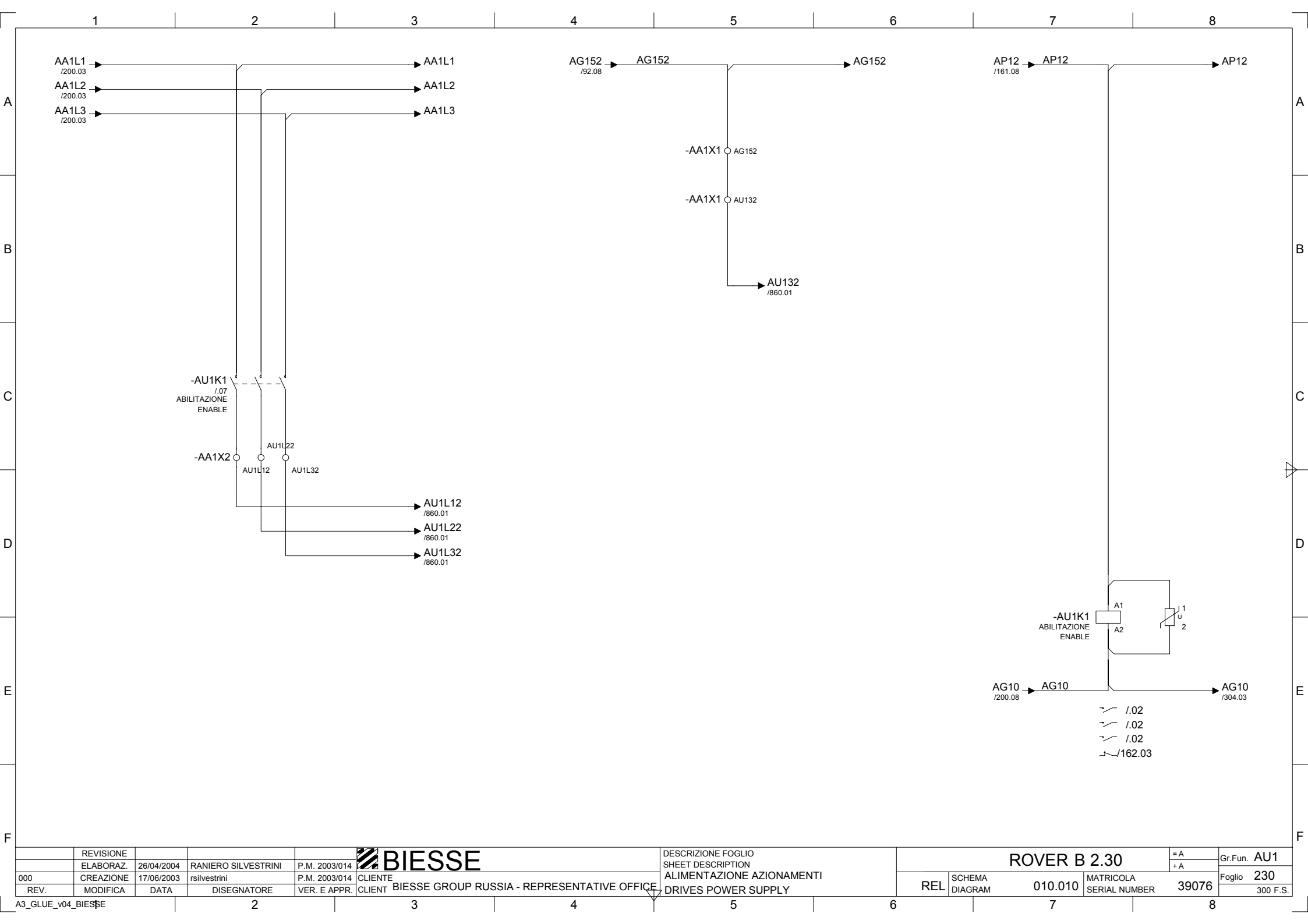


	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
SHEET DESCRIPTION
ALIMENTAZIONE INVERTER 1
INVERTER 1 POWER SUPPLY

ROVER B 2.30				= A	Gr.Fun. AS1
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 201 230 F.S.



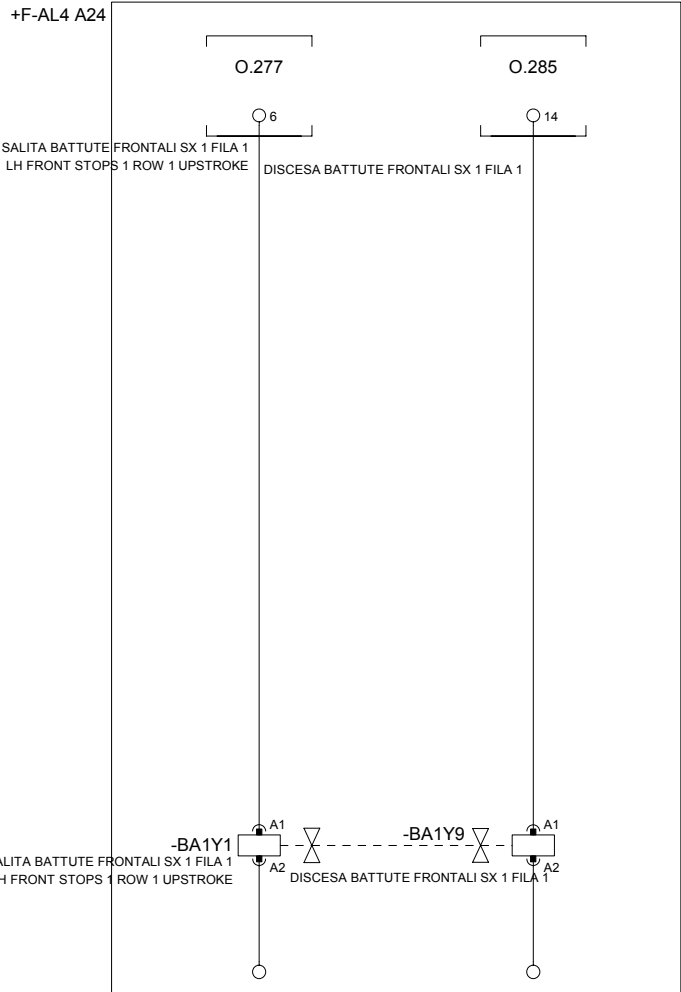
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.
	REVISIONE			
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014

BIESSE
 CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
 SHEET DESCRIPTION
 ALIMENTAZIONE AZIONAMENTI
 DRIVES POWER SUPPLY

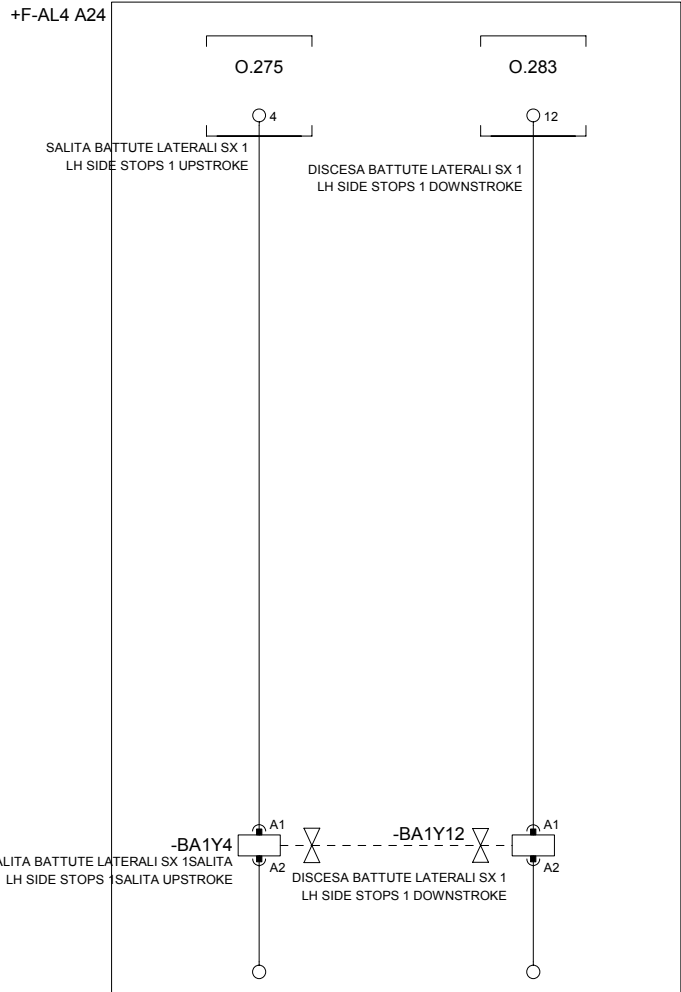
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	= A
					+ A

Gr.Fun.	AU1
Foglio	230
	300 F.S.



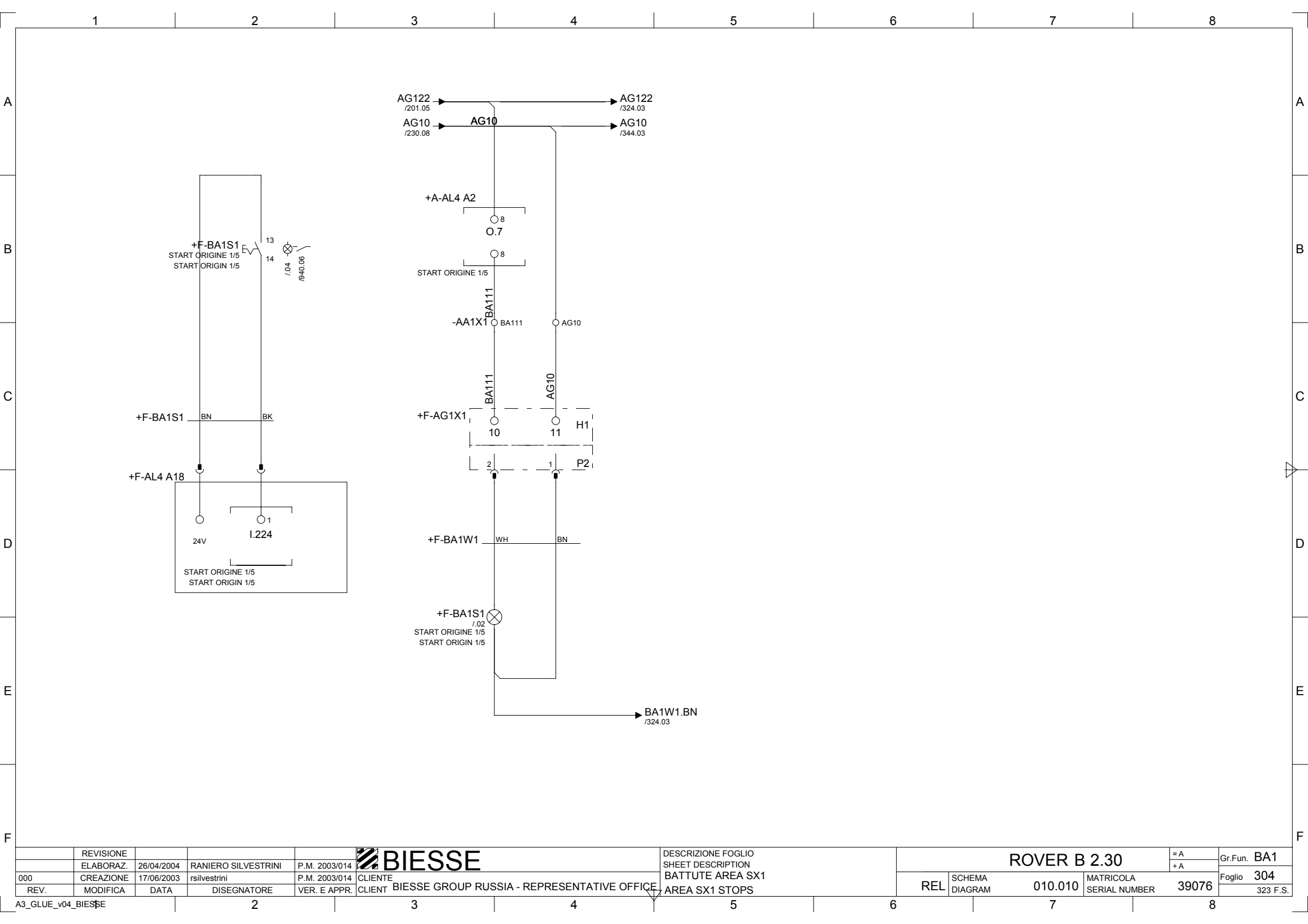
REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014		DESCRIZIONE FOGLIO SHEET DESCRIPTION BATTUTE AREA SX1 AREA SX1 STOPS
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014		
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.		

ROVER B 2.30				= A	Gr.Fun. BA1
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 300
					303 F.S.



REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014		DESCRIZIONE FOGLIO	ROVER B 2.30	= A	Gr.Fun. BA1	
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014		CLIENTE		+		Foglio 303
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.		CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		AREA SX1 STOPS		

REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 303
					304 F.S.

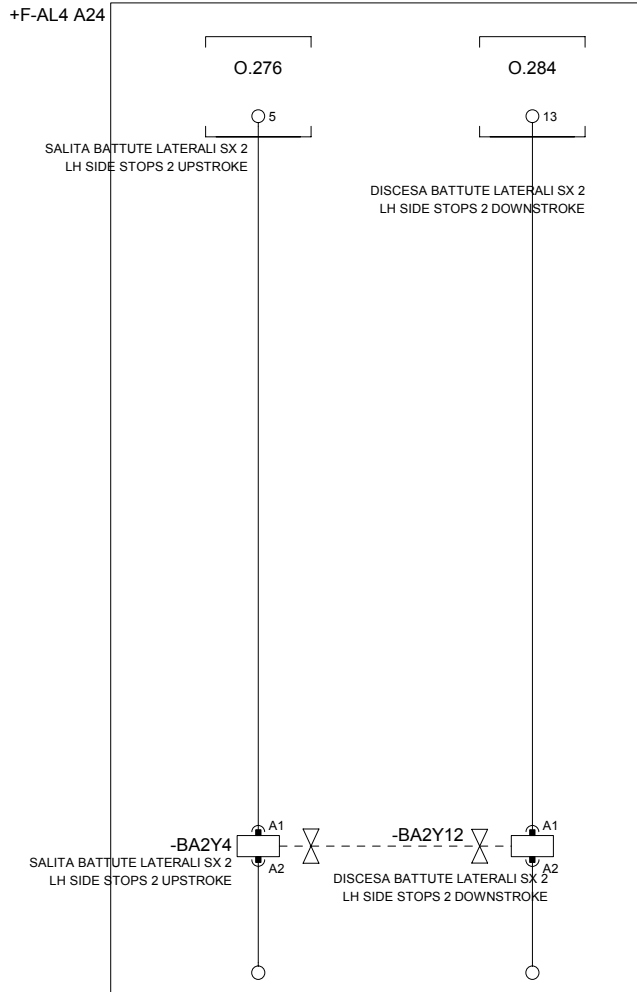


	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014	CLIENTE
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

BIESSE

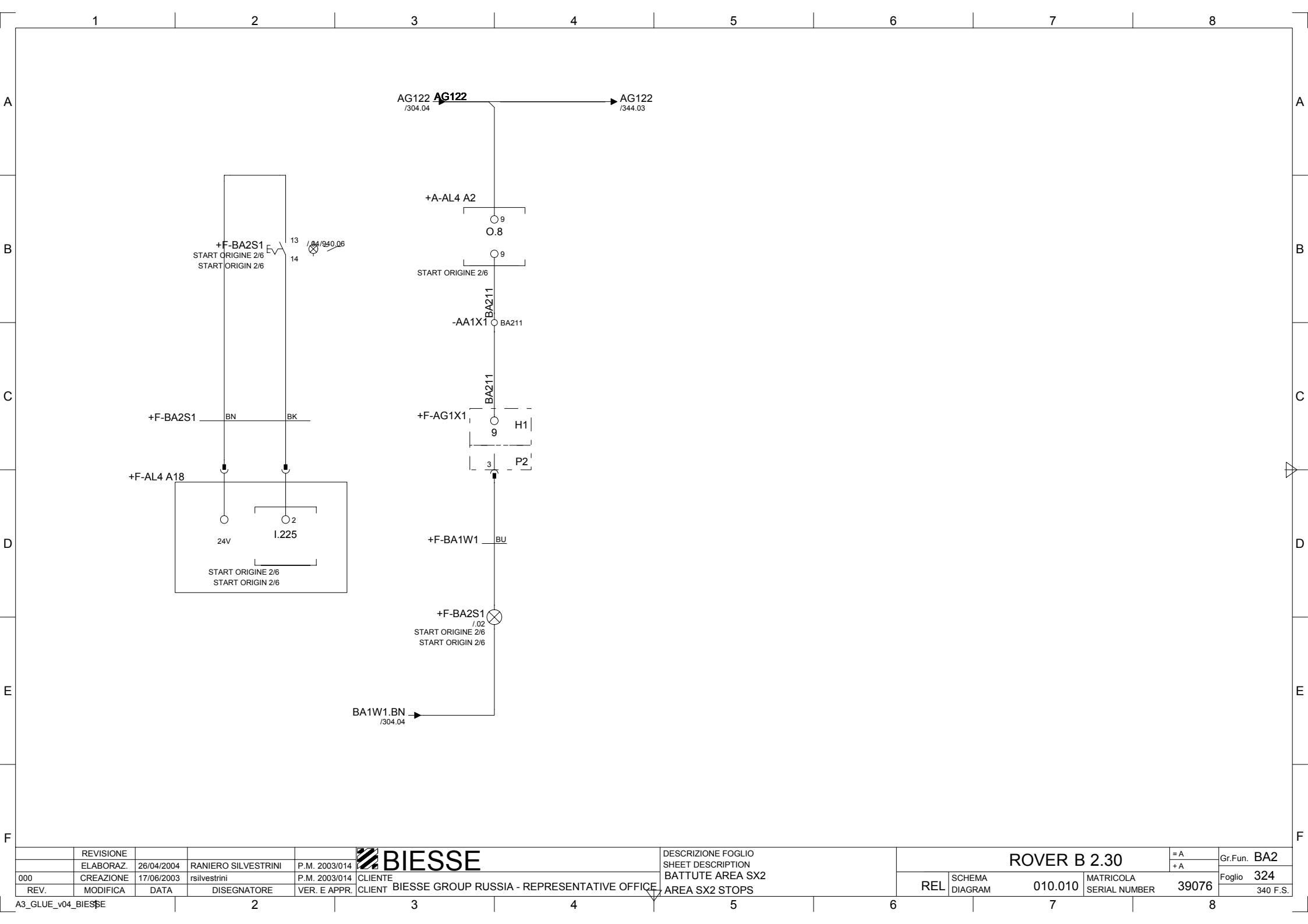
DESCRIZIONE FOGLIO
SHEET DESCRIPTION
BATTUTE AREA SX1
AREA SX1 STOPS


ROVER B 2.30				=A	Gr.Fun. BA1
				+A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 304
					323 F.S.



REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014		DESCRIZIONE FOGLIO SHEET DESCRIPTION BATTUTE AREA SX2 AREA SX2 STOPS
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014		
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.		

ROVER B 2.30				= A	Gr.Fun. BA2
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 323
					324 F.S.

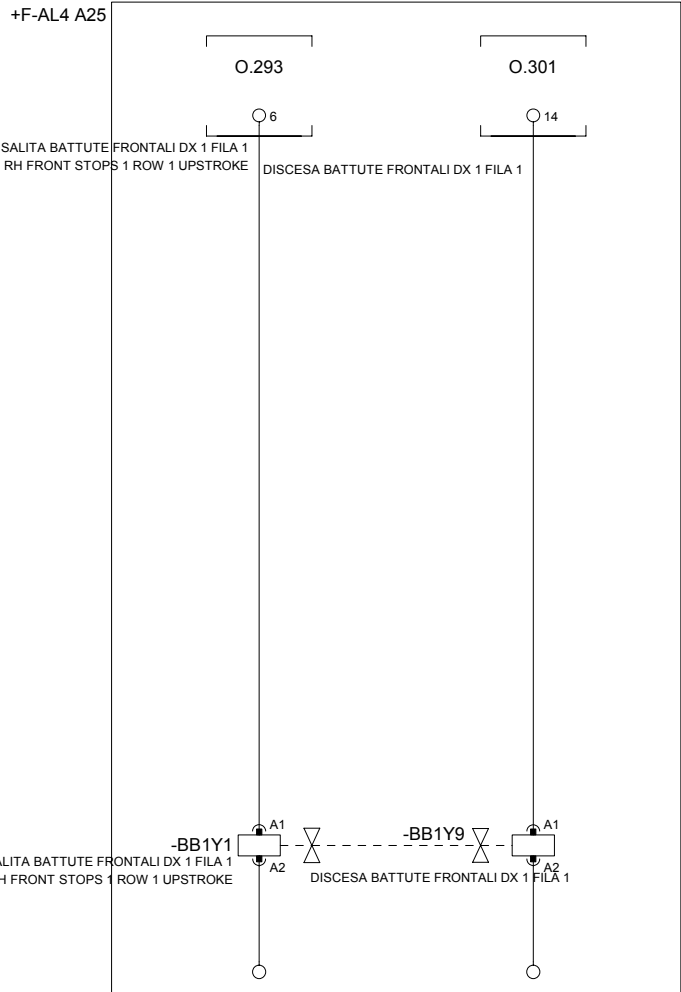


	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE
 CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

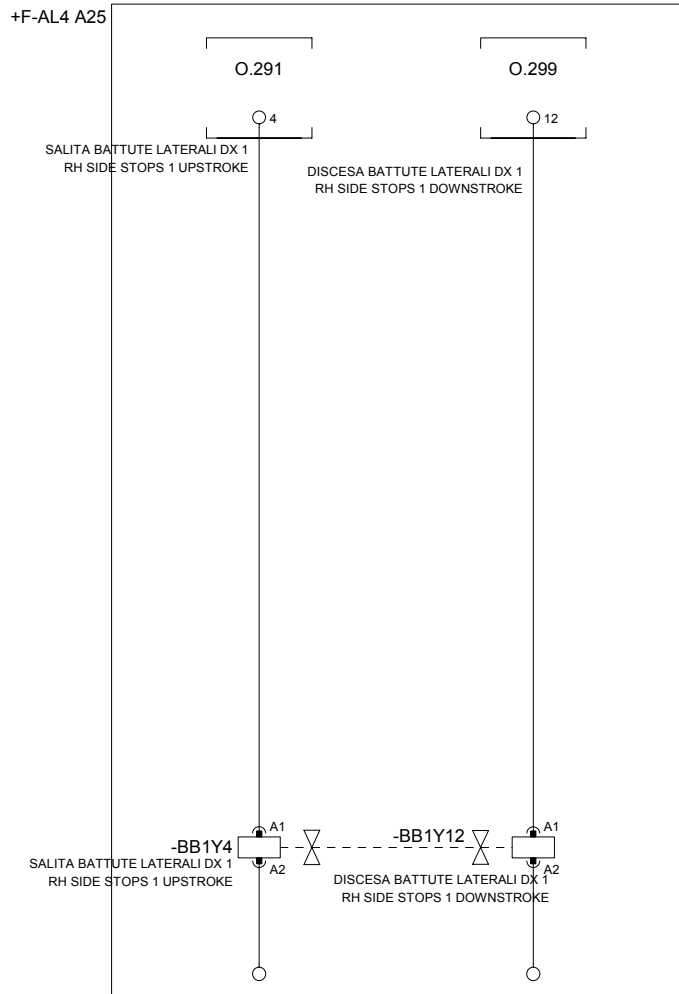
DESCRIZIONE FOGLIO
 SHEET DESCRIPTION
 BATTUTE AREA SX2
 AREA SX2 STOPS

ROVER B 2.30				= A	Gr.Fun. BA2
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 324
					340 F.S.



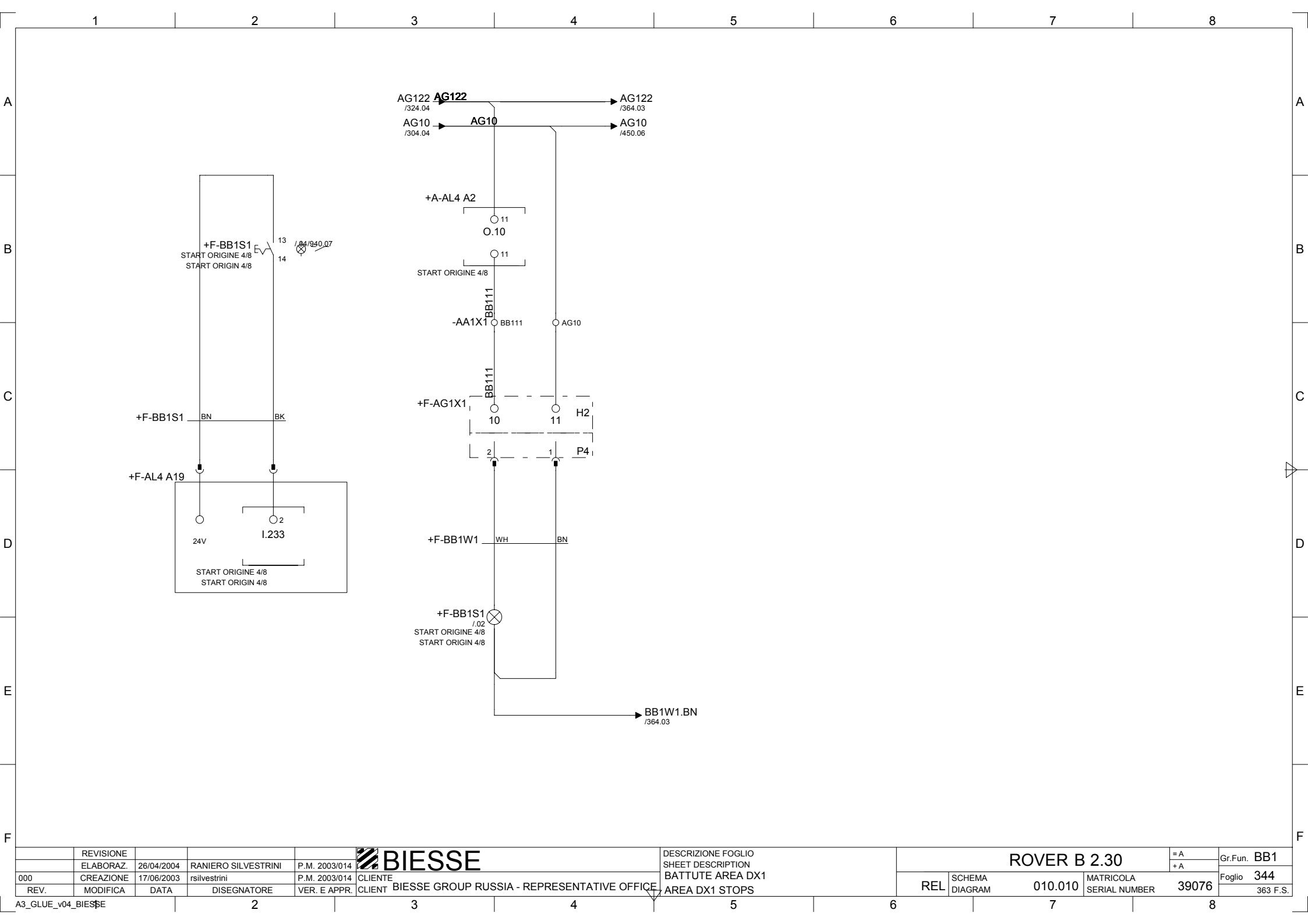
REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014		DESCRIZIONE FOGLIO SHEET DESCRIPTION BATTUTE AREA DX1 AREA DX1 STOPS
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014		
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.		

ROVER B 2.30				= A + A	Gr.Fun. BB1	
						REL
						343 F.S.



	REVISIONE					DESCRIZIONE FOGLIO SHEET DESCRIPTION BATTUTE AREA DX1 AREA DX1 STOPS	
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014			
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014			CLIENTE
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.			CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

ROVER B 2.30				= A	Gr.Fun. BB1
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 343
					344 F.S.

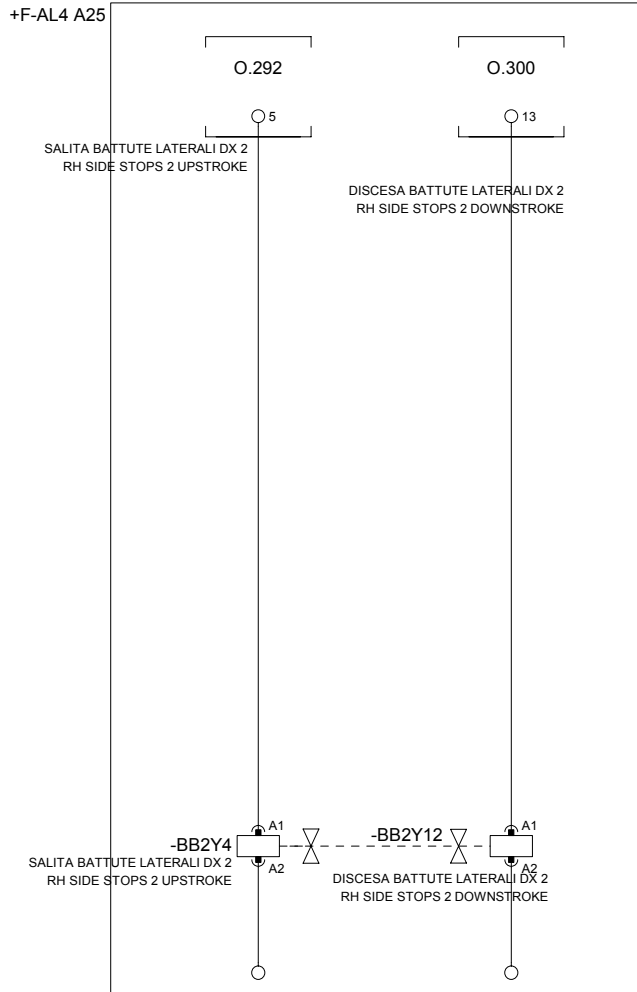


	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE
 CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

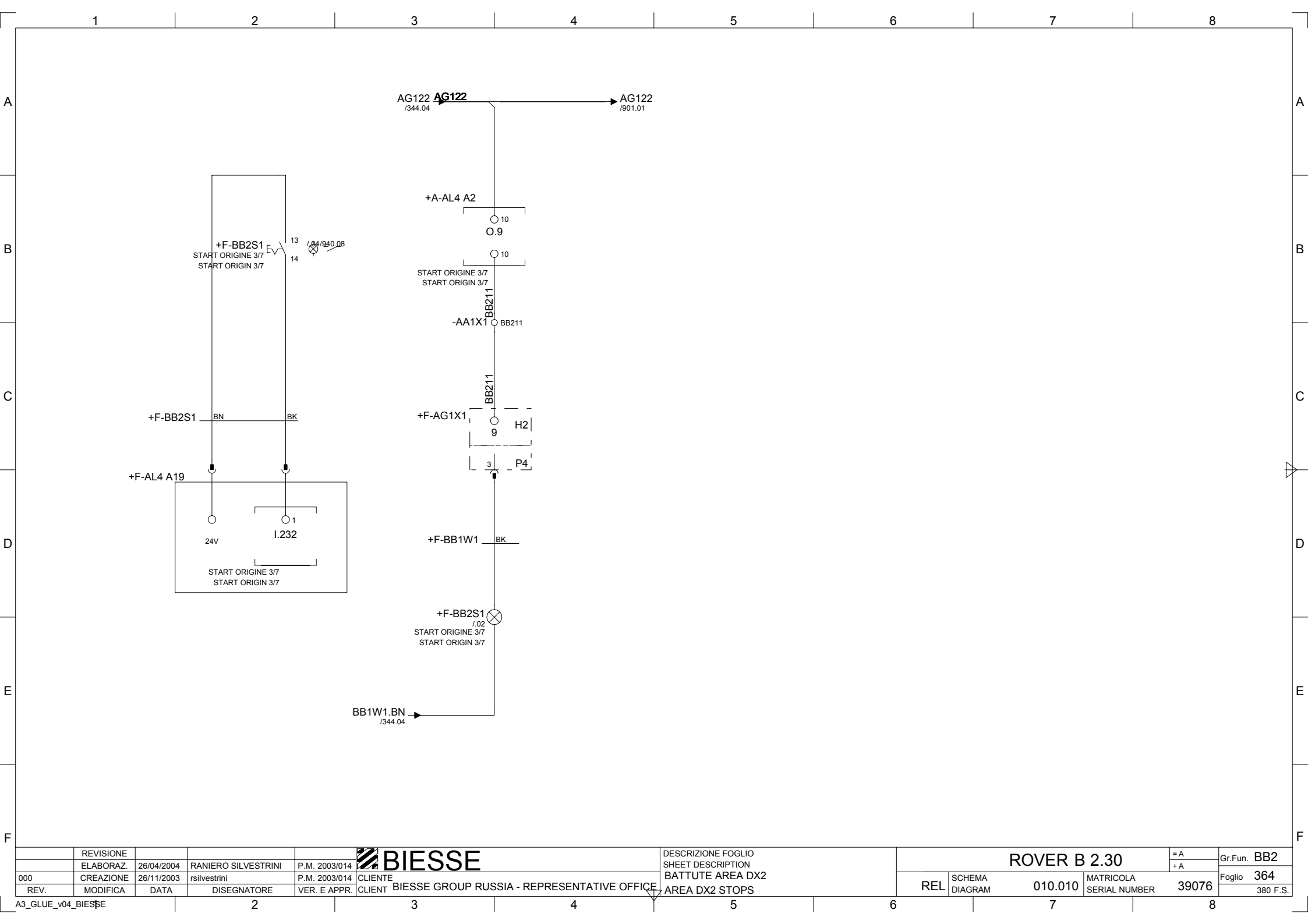
DESCRIZIONE FOLGIO
 SHEET DESCRIPTION
 BATTUTE AREA DX1
 AREA DX1 STOPS


ROVER B 2.30				=A	Gr.Fun. BB1
				+A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 344
					363 F.S.



	REVISIONE					DESCRIZIONE FOLGIO			= A	Gr.Fun. BB2	
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014		BATTUTE AREA DX2	ROVER B 2.30		+ A		
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014		CLIENTE	REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.		CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE	AREA DX2 STOPS				Foglio 363

										Foglio 363
										364 F.S.

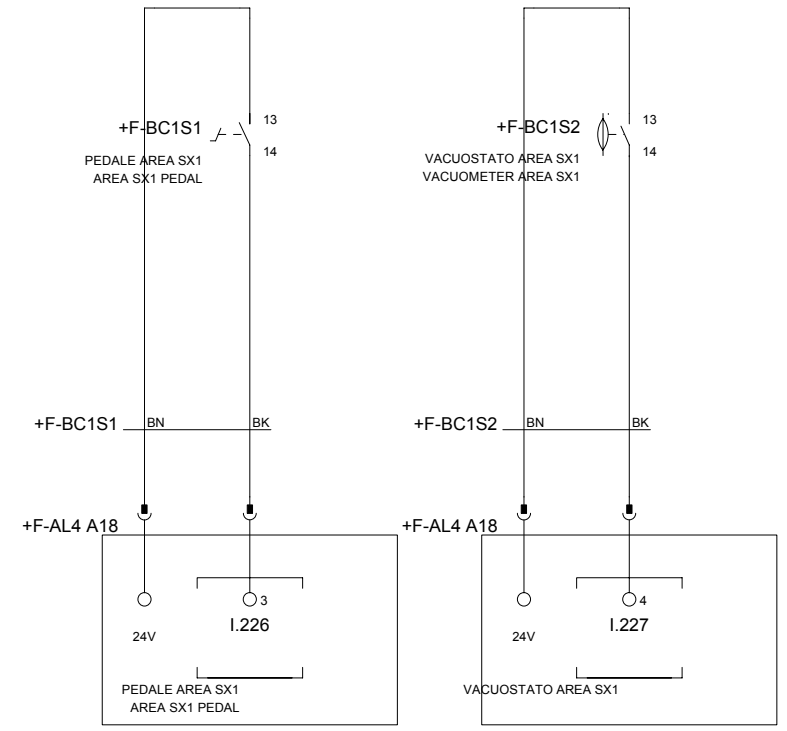
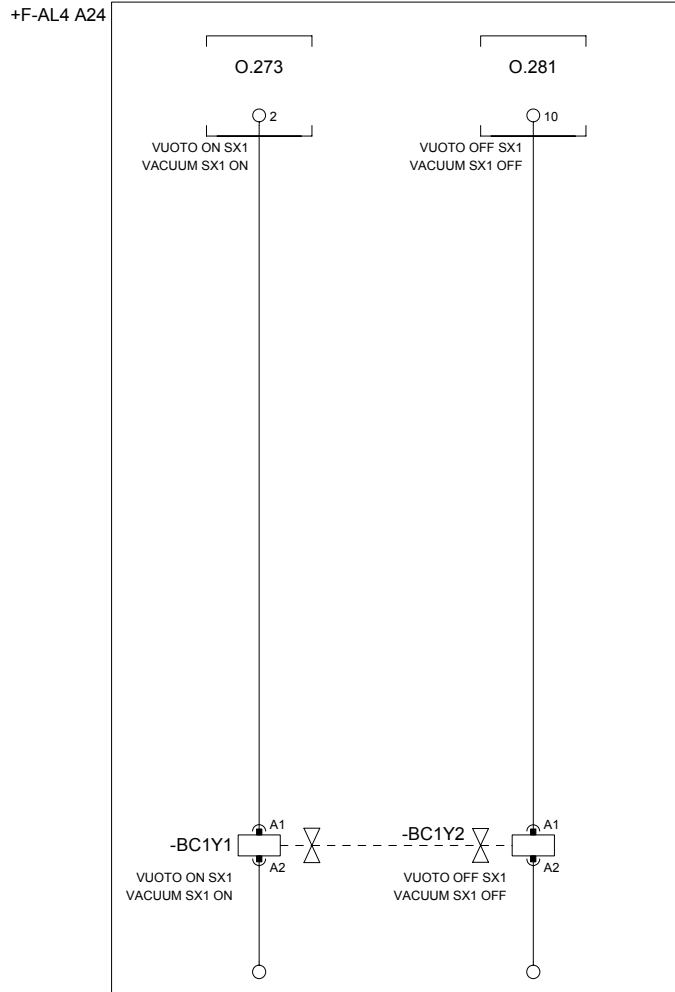


	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE
 CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

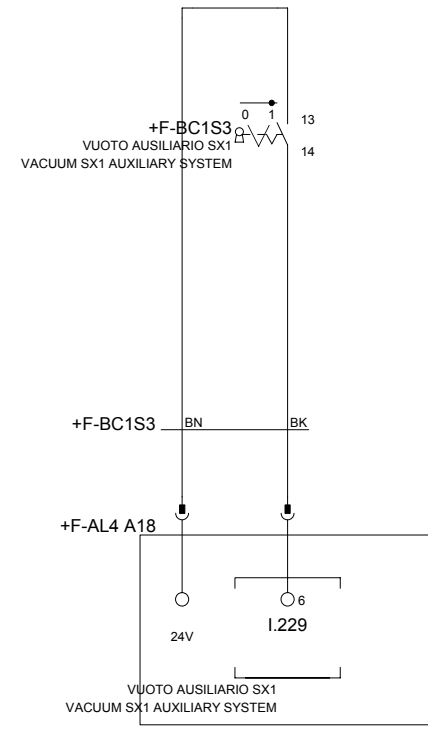
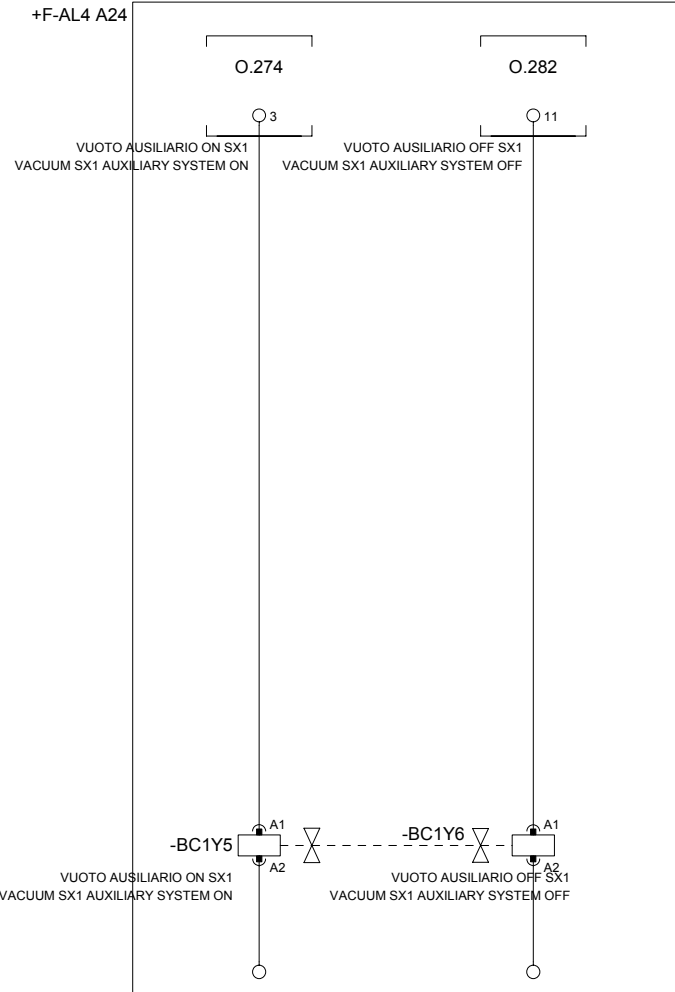
DESCRIZIONE FOGLIO
 SHEET DESCRIPTION
 BATTUTE AREA DX2
 AREA DX2 STOPS

ROVER B 2.30				=A	Gr.Fun. BB2
				+A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 364
					380 F.S.



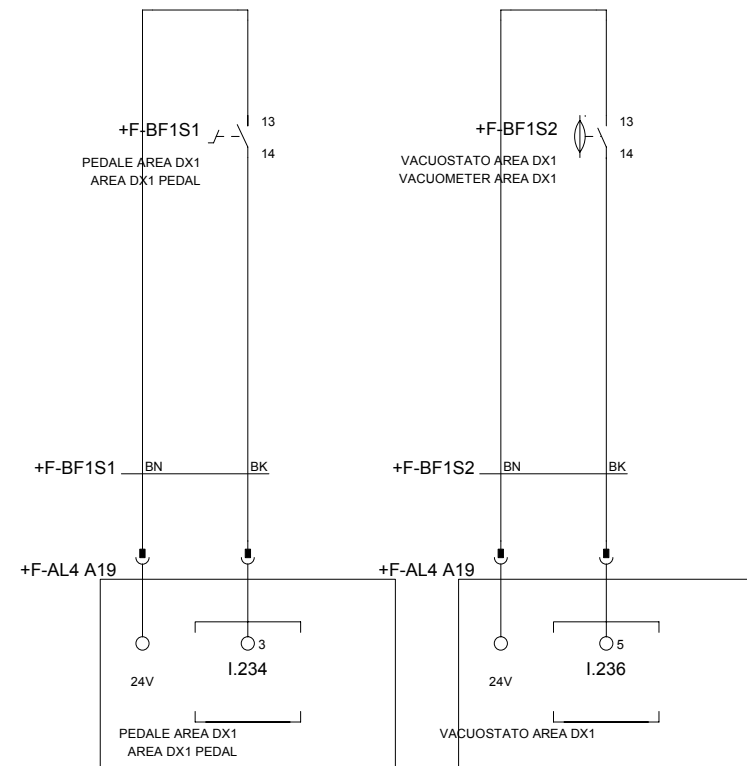
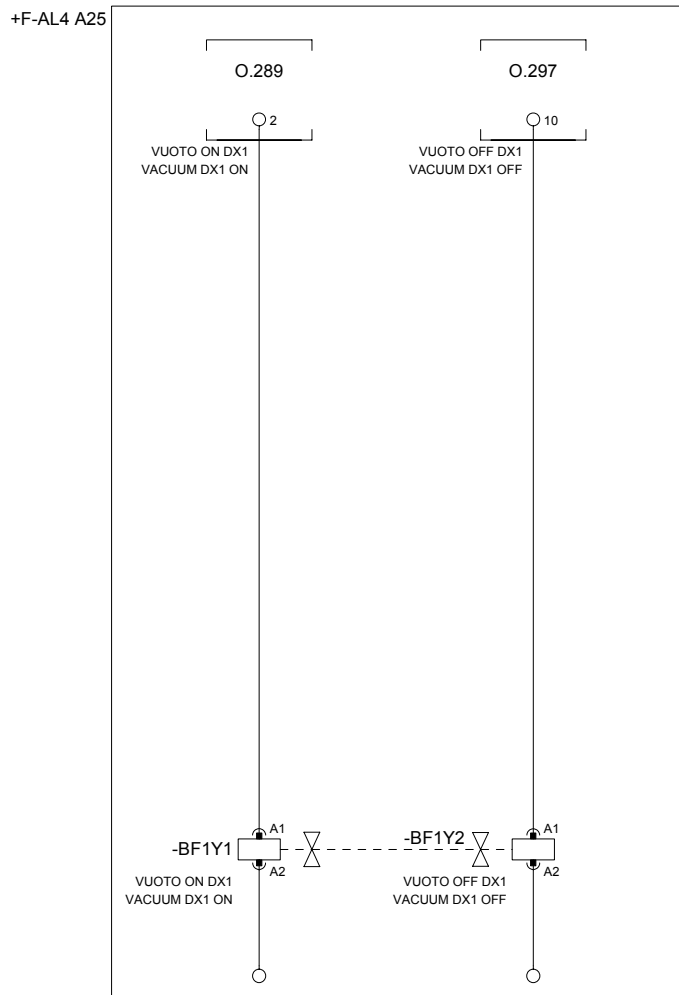
REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014		DESCRIZIONE FOLGIO	ROVER B 2.30 BLOCCAGGIO PEZZO AREA SX1 AREA SX1 PIECE LOCKING	= A	Gr.Fun. BC1				
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014		CLIENTE		REL		SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.		CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE							

VER. E APPR.	CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE	AREA SX1 PIECE LOCKING	REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	= A	Gr.Fun. BC1
								+ A	Foglio 380
									381 F.S.

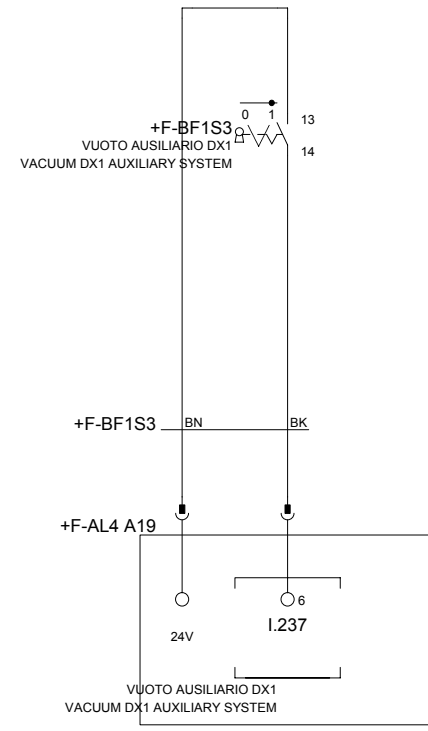
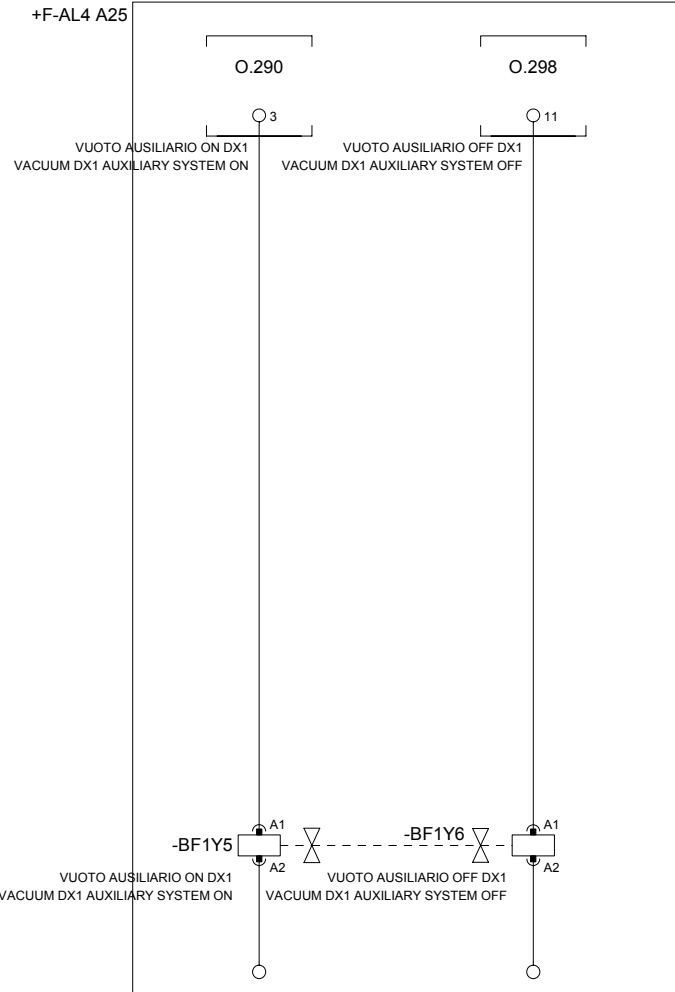


REVISIONE		26/04/2004		RANIERO SILVESTRINI		P.M. 2003/014				DESCRIZIONE FOGLIO SHEET DESCRIPTION BLOCCAGGIO PEZZO AREA SX1 AREA SX1 PIECE LOCKING		ROVER B 2.30 = A + A Gr.Fun. BC1	
000 CREAZIONE		26/11/2003		rsilvestrini		P.M. 2003/014							
REV. MODIFICA		DATA		DISEGNATORE		VER. E APPR.							

CLIENTE		BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		REL		SCHEMA DIAGRAM		010.010		MATRICOLA SERIAL NUMBER		39076		Foglio 381	
CLIENT		BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		REL		SCHEMA DIAGRAM		010.010		MATRICOLA SERIAL NUMBER		39076		400 F.S.	

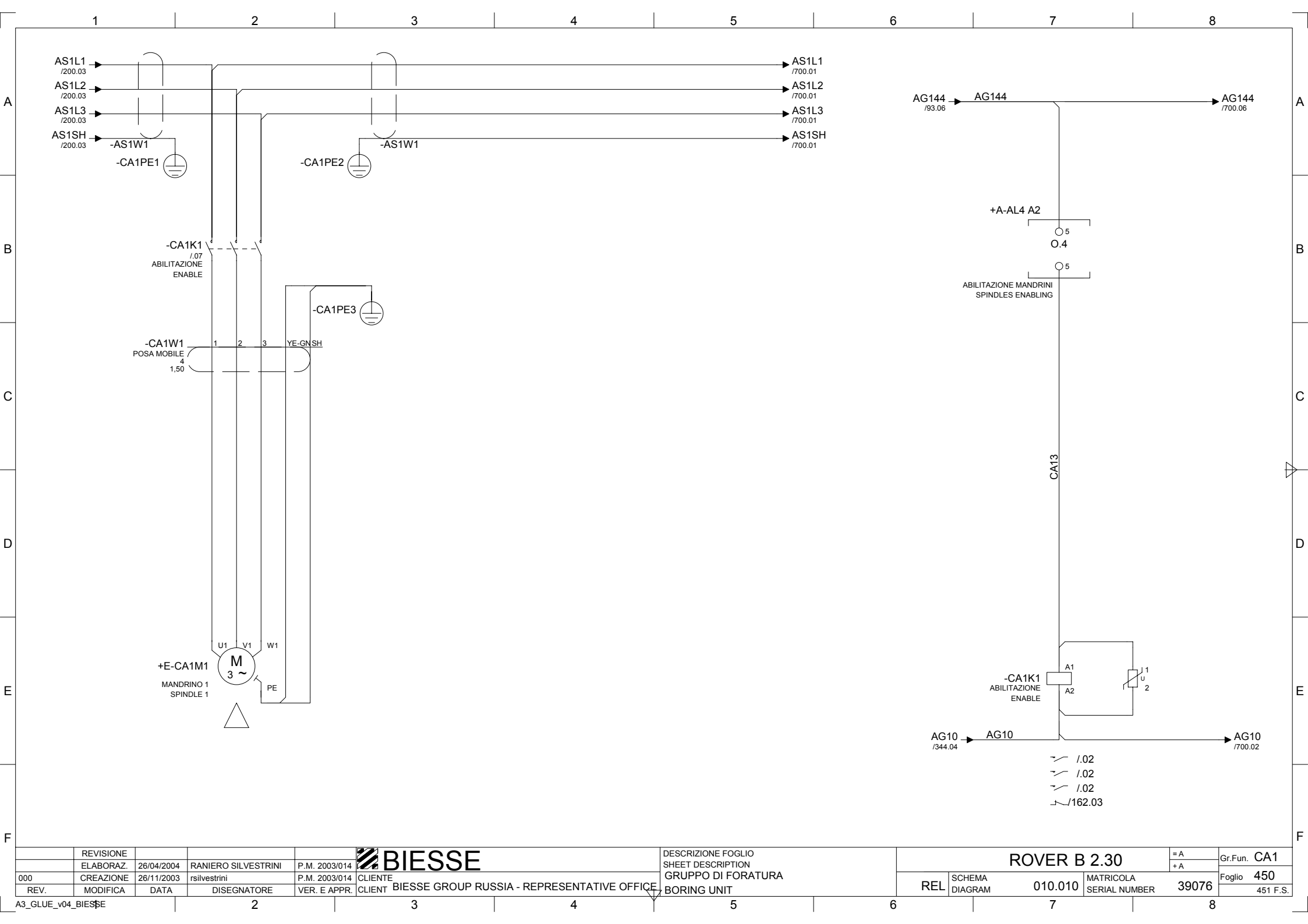


						DESCRIZIONE FOGLIO SHEET DESCRIPTION BLOCCAGGIO PEZZO AREA DX1 AREA DX1 PIECE LOCKING		ROVER B 2.30		= A		Gr.Fun. BF1	
REVISIONE ELABORAZ. 26/04/2004 RANIERO SILVESTRINI P.M. 2003/014 000 CREAZIONE 26/11/2003 rsilvestrini P.M. 2003/014 REV. MODIFICA DATA DISEGNATORE VER. E APPR.										+ A		Foglio 400	
				CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE CLIENT		REL SCHEMA DIAGRAM		010.010		MATRICOLA SERIAL NUMBER 39076		Foglio 401 F.S.	



REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014		DESCRIZIONE FOLGIO	ROVER B 2.30	= A	Gr.Fun. BF1	
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014		CLIENTE		SCHEMA		+ A
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.		CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		DIAGRAM		

AREA DX1 PIECE LOCKING	REL	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 401
				450 F.S.	



	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014	CLIENTE
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

BIESSE
 DESCRIZIONE FOLGIO
 SHEET DESCRIPTION
 GRUPPO DI FORATURA
 BORING UNIT

ROVER B 2.30				= A	Gr.Fun. CA1
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 450 451 F.S.

1 2 3 4 5 6 7 8

A

A

B

B

C

C

D

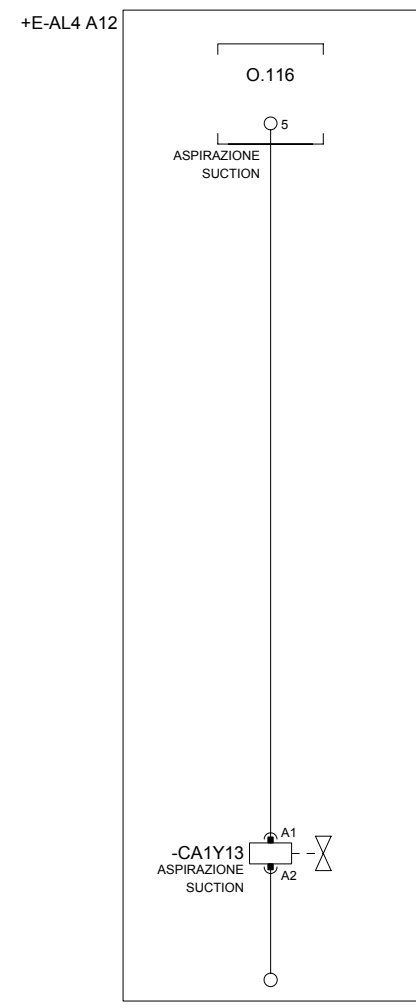
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E

E

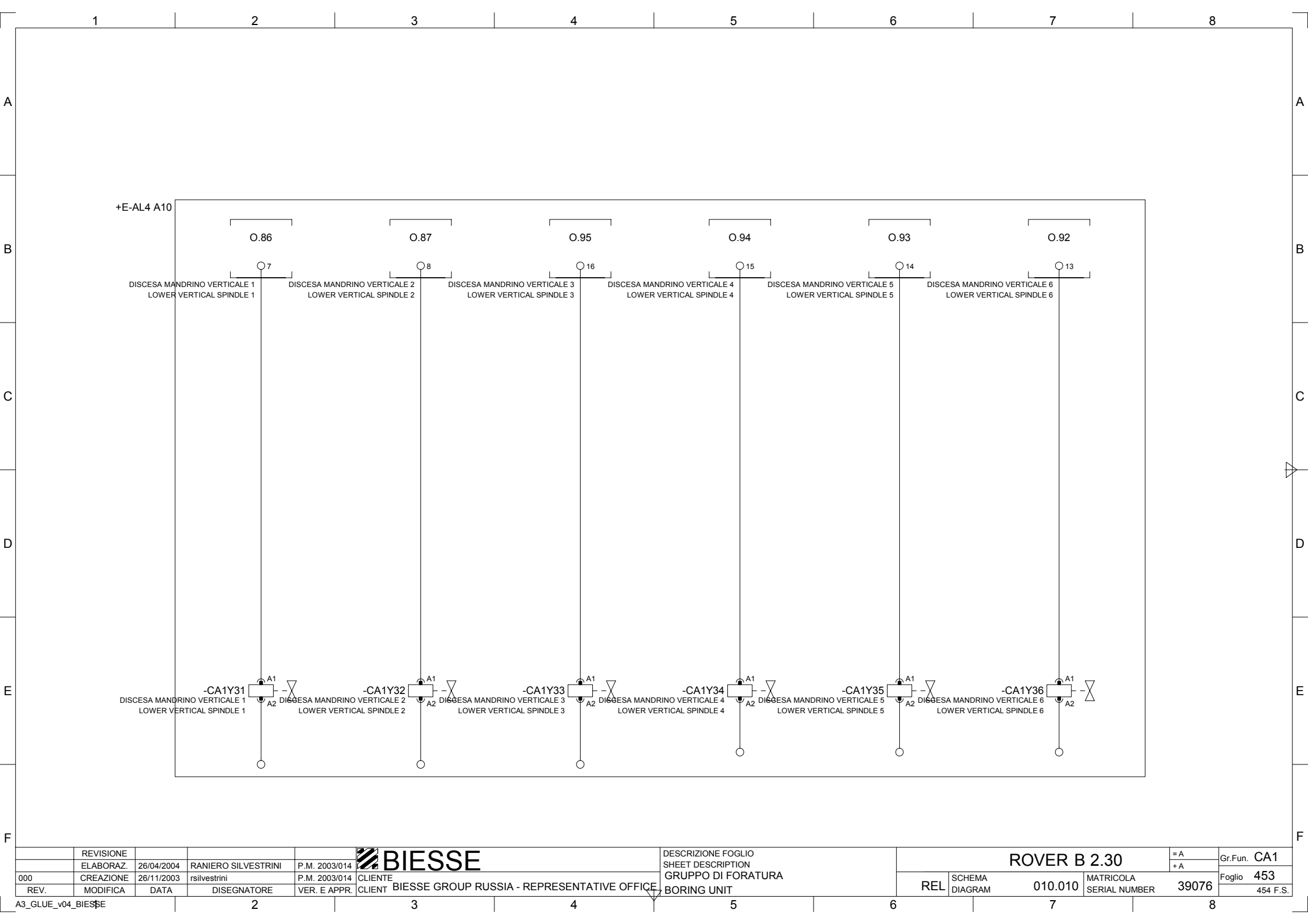
F

F



	REVISIONE				 BIESSE	DESCRIZIONE FOGLIO SHEET DESCRIPTION GRUPPO DI FORATURA BORING UNIT
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014		
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014		
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.		

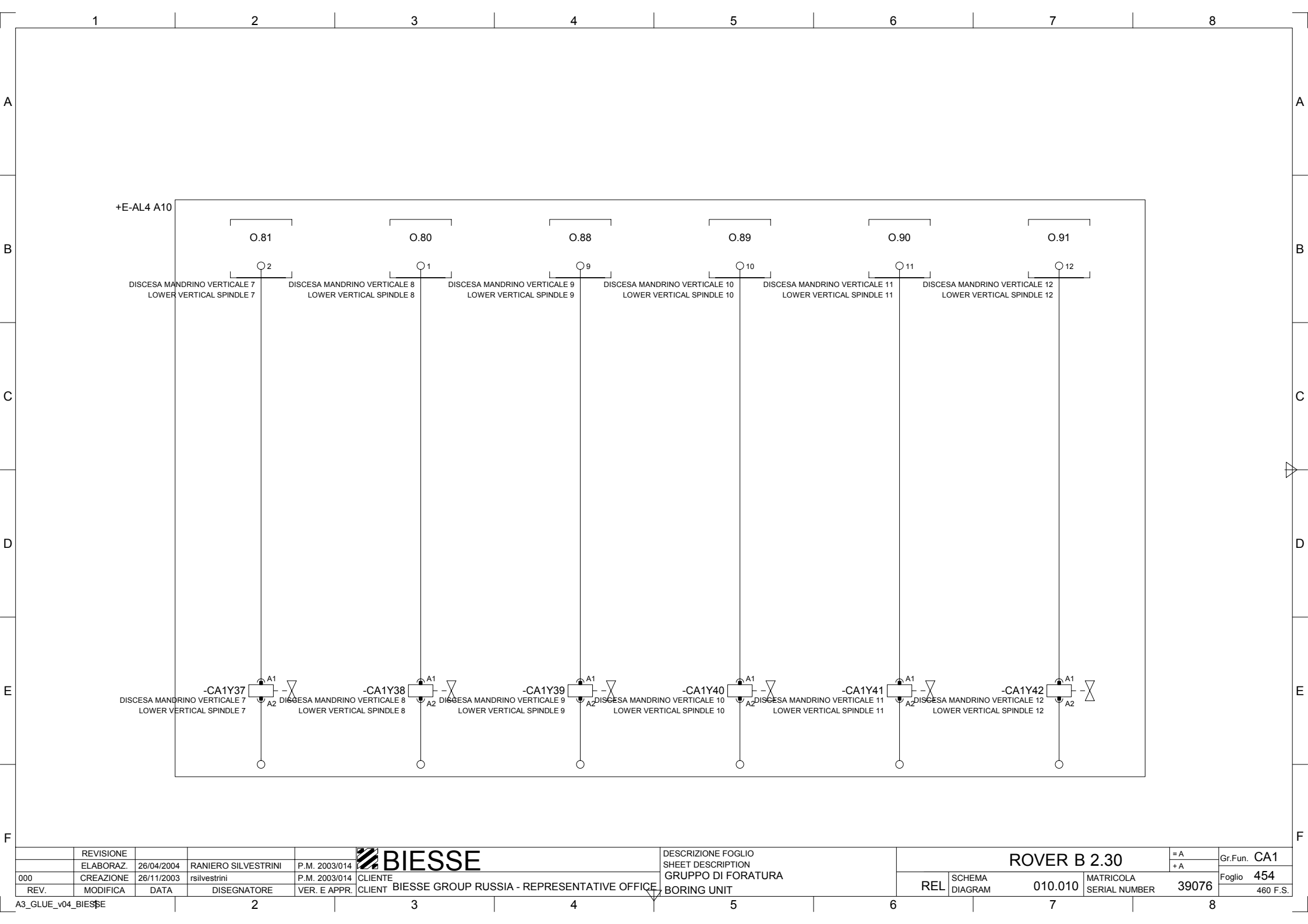
				ROVER B 2.30		= A	Gr.Fun. CA1
						+ A	Foglio 451
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076			
						453 F.S.	



	REVISIONE				 BIESSE CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

DESCRIZIONE FOLGIO
 SHEET DESCRIPTION
 GRUPPO DI FORATURA
 BORING UNIT

		ROVER B 2.30		= A	Gr.Fun. CA1
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 453
				8	454 F.S.



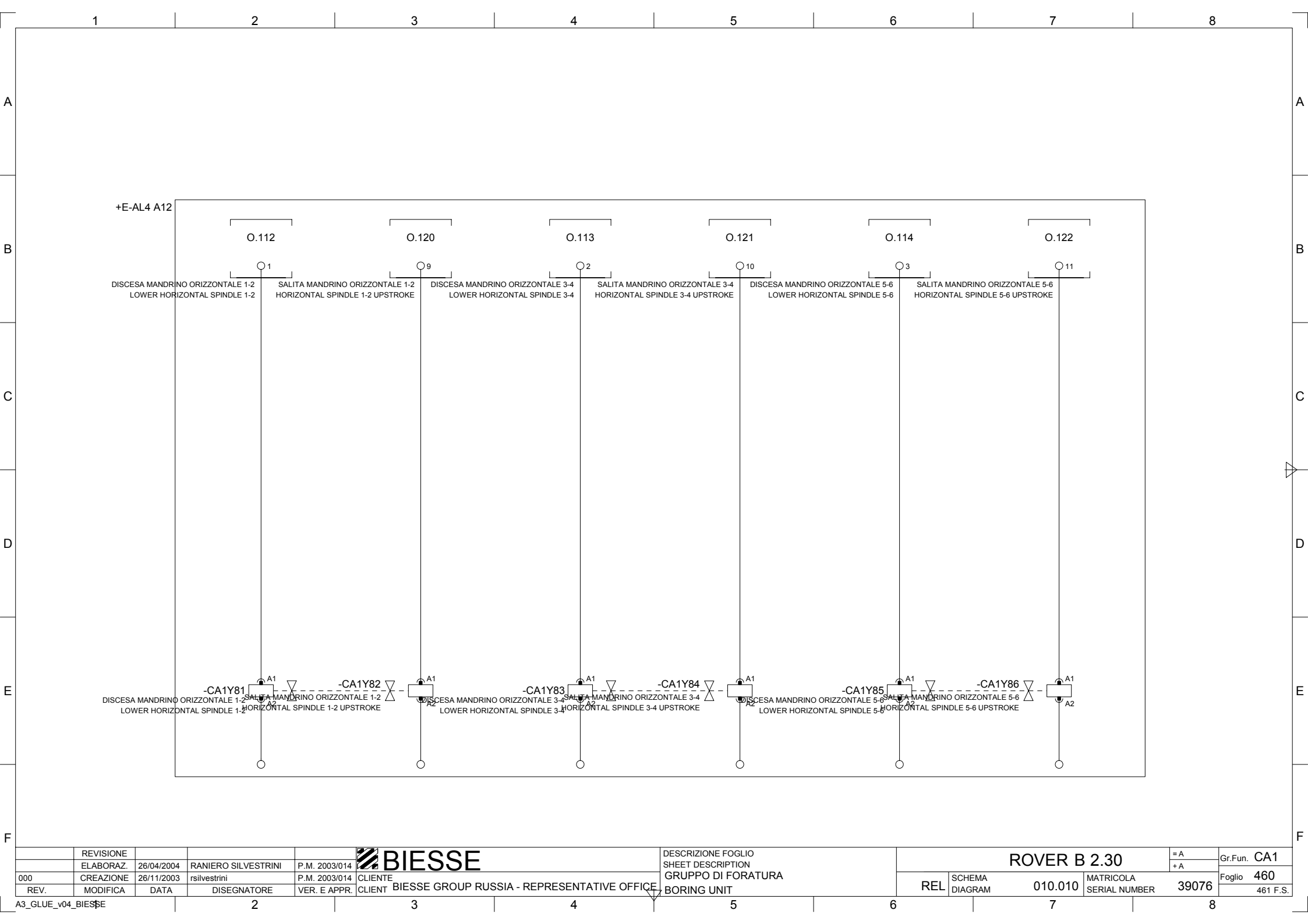
	REVISIONE				 BIESSE DESCRIZIONE FOLGIO SHEET DESCRIPTION GRUPPO DI FORATURA BORING UNIT
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

CLIENTE
 CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
 SHEET DESCRIPTION
GRUPPO DI FORATURA
 BORING UNIT

REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	= A	Gr.Fun. CA1
					+ A	

Foglio	454
	460 F.S.



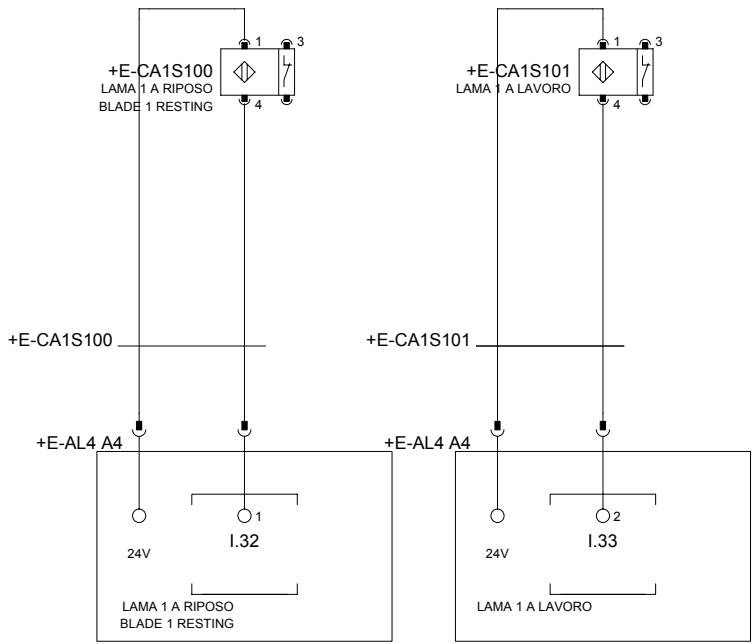
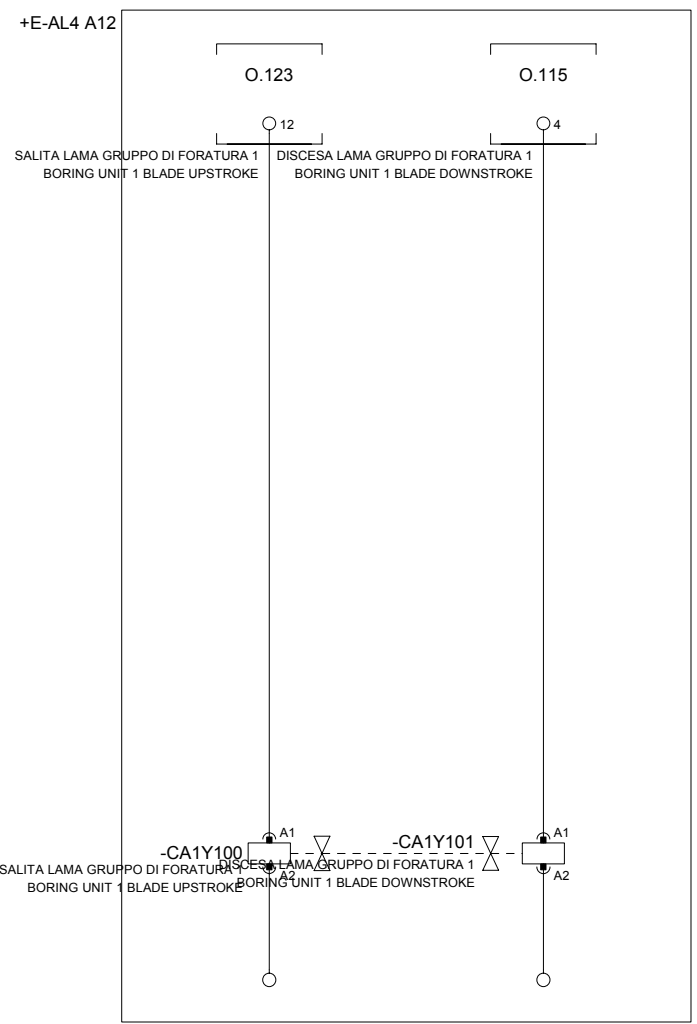
+E-AL4 A12

O.112 O.120 O.113 O.121 O.114 O.122

DISCESA MANDRINO ORIZZONTALE 1-2 SALITA MANDRINO ORIZZONTALE 1-2 DISCESA MANDRINO ORIZZONTALE 3-4 SALITA MANDRINO ORIZZONTALE 3-4 DISCESA MANDRINO ORIZZONTALE 5-6 SALITA MANDRINO ORIZZONTALE 5-6
 LOWER HORIZONTAL SPINDLE 1-2 HORIZONTAL SPINDLE 1-2 UPSTROKE LOWER HORIZONTAL SPINDLE 3-4 HORIZONTAL SPINDLE 3-4 UPSTROKE LOWER HORIZONTAL SPINDLE 5-6 HORIZONTAL SPINDLE 5-6 UPSTROKE

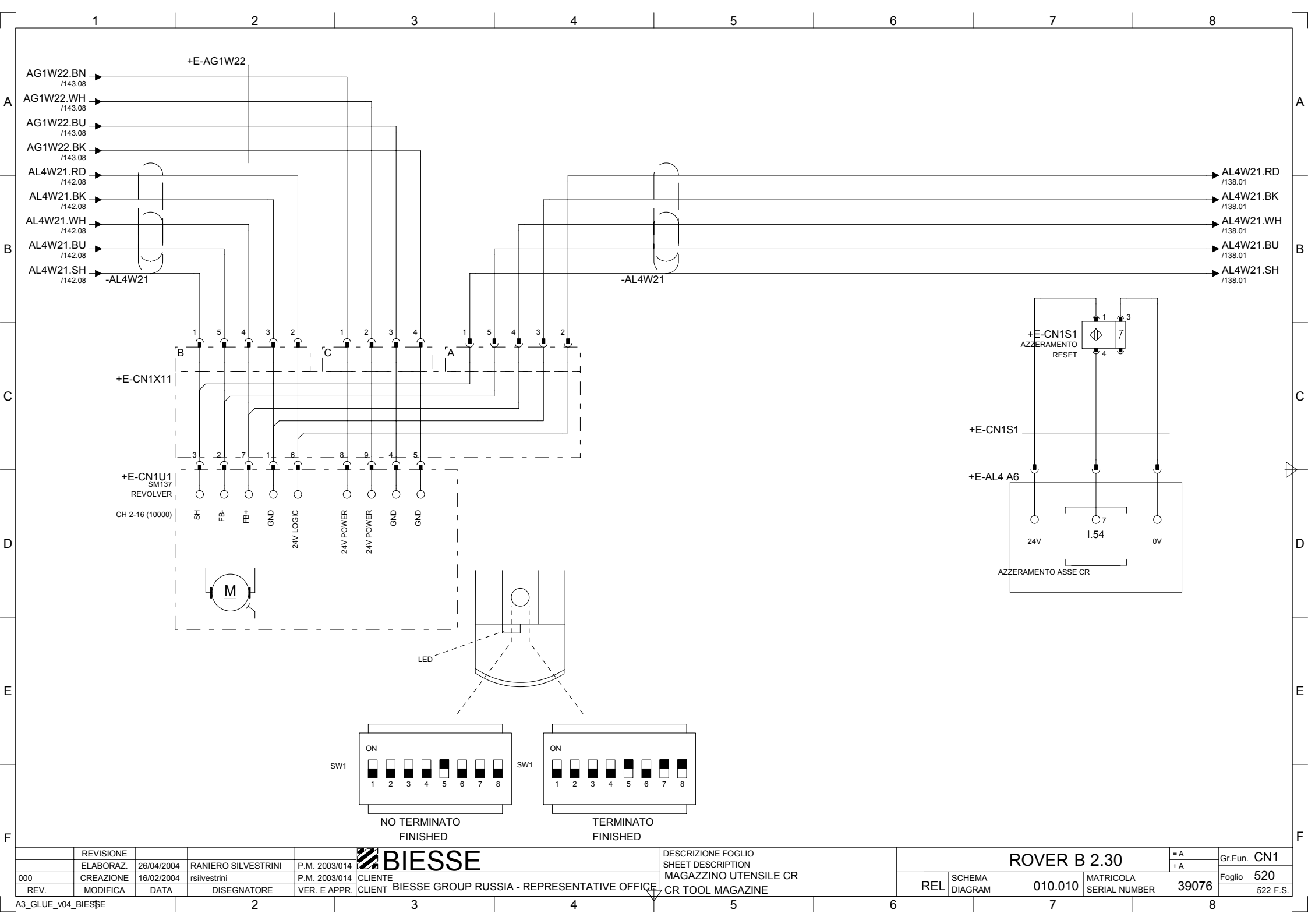
-CA1Y81 -CA1Y82 -CA1Y83 -CA1Y84 -CA1Y85 -CA1Y86
 DISCESA MANDRINO ORIZZONTALE 1-2 SALITA MANDRINO ORIZZONTALE 1-2 DISCESA MANDRINO ORIZZONTALE 3-4 SALITA MANDRINO ORIZZONTALE 3-4 DISCESA MANDRINO ORIZZONTALE 5-6 SALITA MANDRINO ORIZZONTALE 5-6
 LOWER HORIZONTAL SPINDLE 1-2 HORIZONTAL SPINDLE 1-2 UPSTROKE LOWER HORIZONTAL SPINDLE 3-4 HORIZONTAL SPINDLE 3-4 UPSTROKE LOWER HORIZONTAL SPINDLE 5-6 HORIZONTAL SPINDLE 5-6 UPSTROKE

						DESCRIZIONE FOLGIO SHEET DESCRIPTION GRUPPO DI FORATURA BORING UNIT		ROVER B 2.30		= A		Gr.Fun. CA1		
												+ A		
000	REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014									
	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014	CLIENTE							Foglio 460		
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	CLIENT	BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		REL		SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	461 F.S.



REVISIONE		26/04/2004		RANIERO SILVESTRINI		P.M. 2003/014			DESCRIZIONE FOLGIO SHEET DESCRIPTION GRUPPO DI FORATURA BORING UNIT
000 CREAZIONE		17/06/2003		rsilvestrini		P.M. 2003/014			
REV. MODIFICA		DATA		DISEGNATORE		VER. E APPR.			
				CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE					

				ROVER B 2.30				= A + A		Gr.Fun. CA1	
REL		SCHEMA DIAGRAM		010.010		MATRICOLA SERIAL NUMBER		39076		Foglio 461	
										520 F.S.	



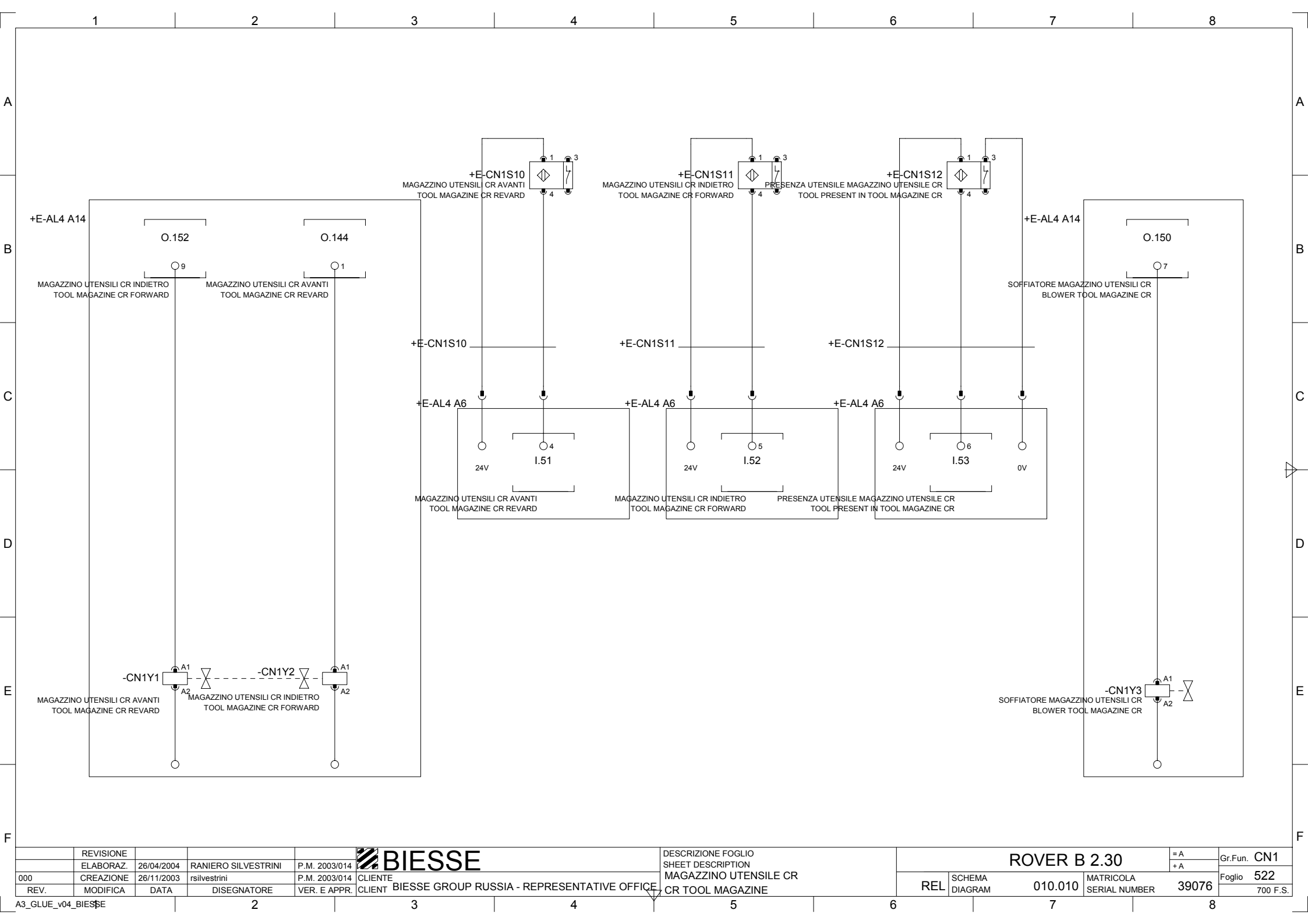
REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014
000	CREAZIONE	16/02/2004	rsilvestrini	P.M. 2003/014
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.

BIESSE

CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOGLIO
SHEET DESCRIPTION
MAGAZZINO UTENSILE CR
CR TOOL MAGAZINE

ROVER B 2.30			= A	Gr.Fun. CN1
REL	SCHEMA DIAGRAM	010.010	+ A	Foglio 520
			MATRICOLA SERIAL NUMBER	39076
				522 F.S.



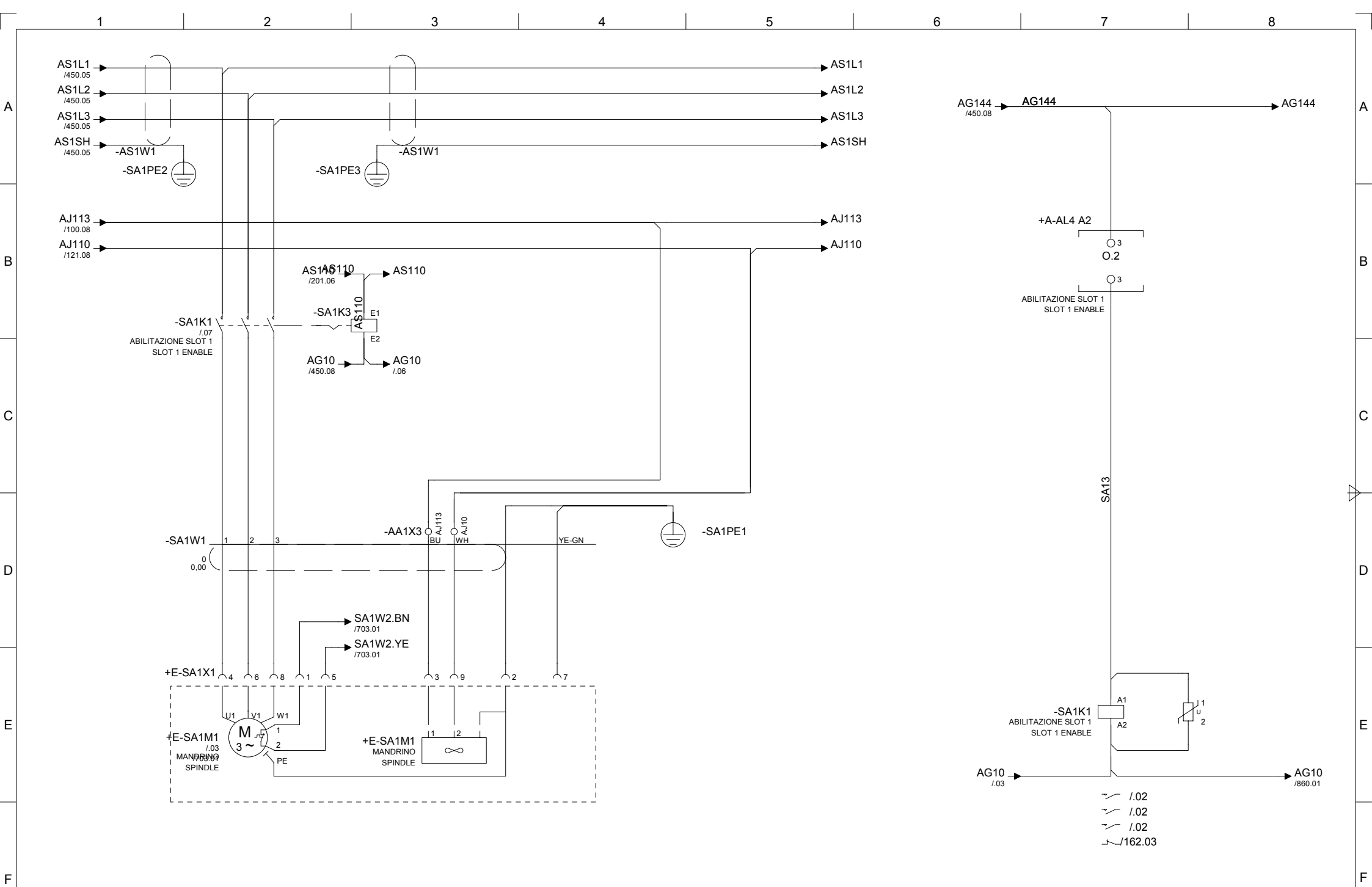
REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.

BIESSE
 CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
 SHEET DESCRIPTION
 MAGAZZINO UTENSILE CR
 CR TOOL MAGAZINE

ROVER B 2.30
 REL SCHEMA DIAGRAM 010.010
 MATRICOLA SERIAL NUMBER 39076

Gr.Fun. CN1
 Foglio 522
 700 F.S.

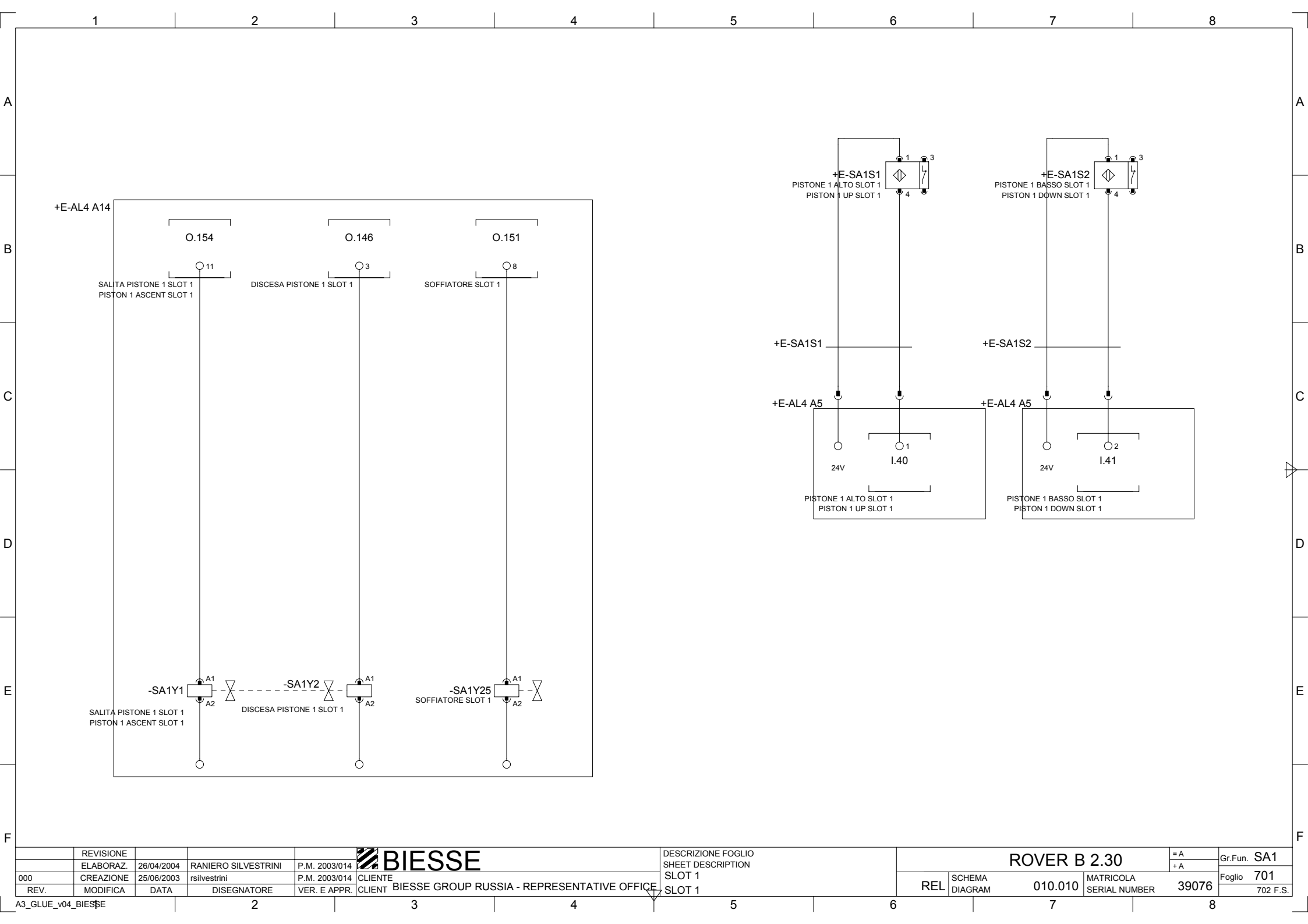


REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014
000	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.

BIESSE
 CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

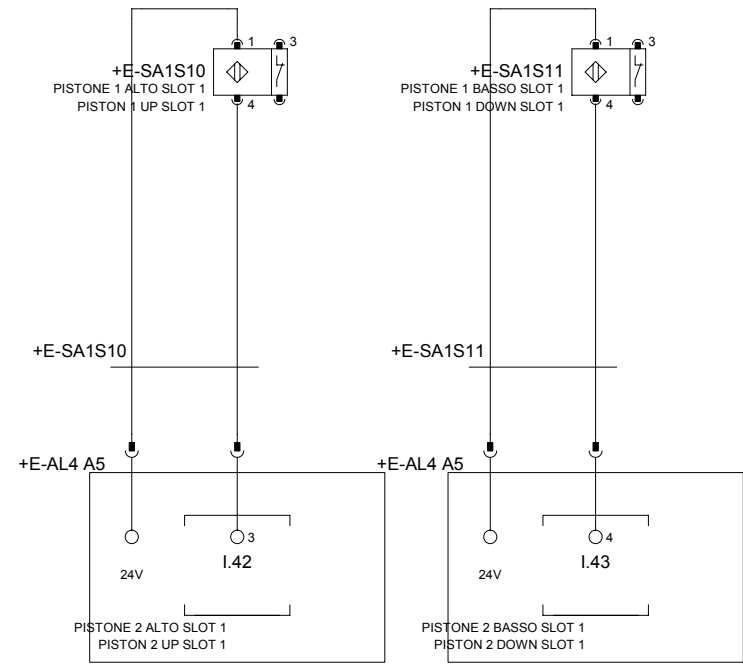
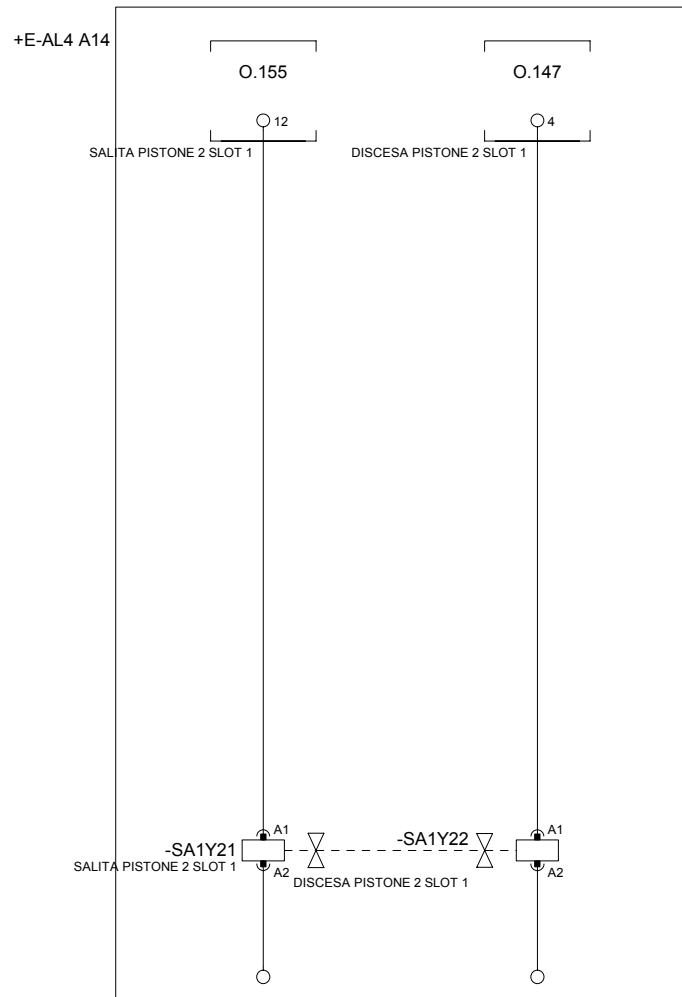
DESCRIZIONE FOLGIO
 SHEET DESCRIPTION
 SLOT 1
 SLOT 1

ROVER B 2.30				= A	Gr.Fun. SA1
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 700 701 F.S.



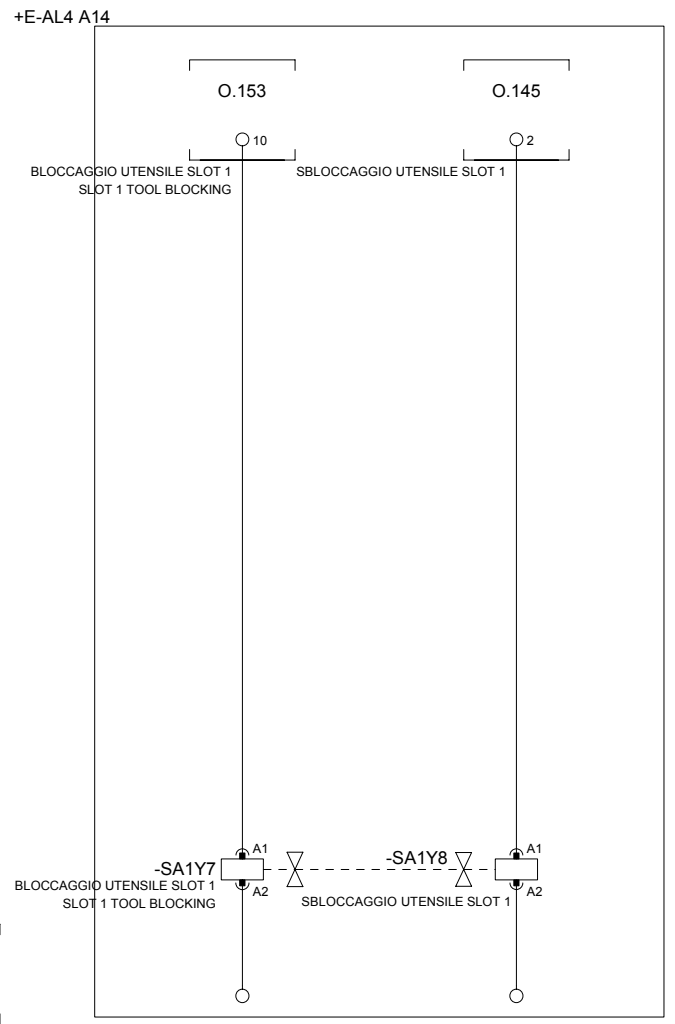
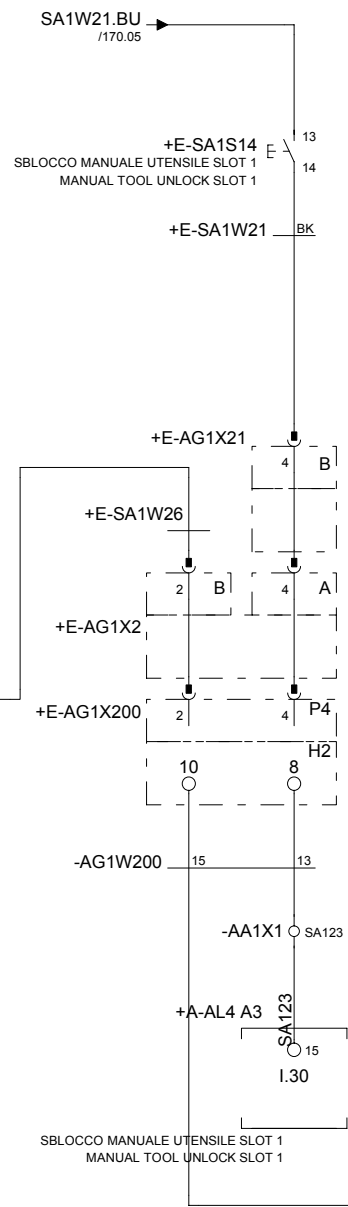
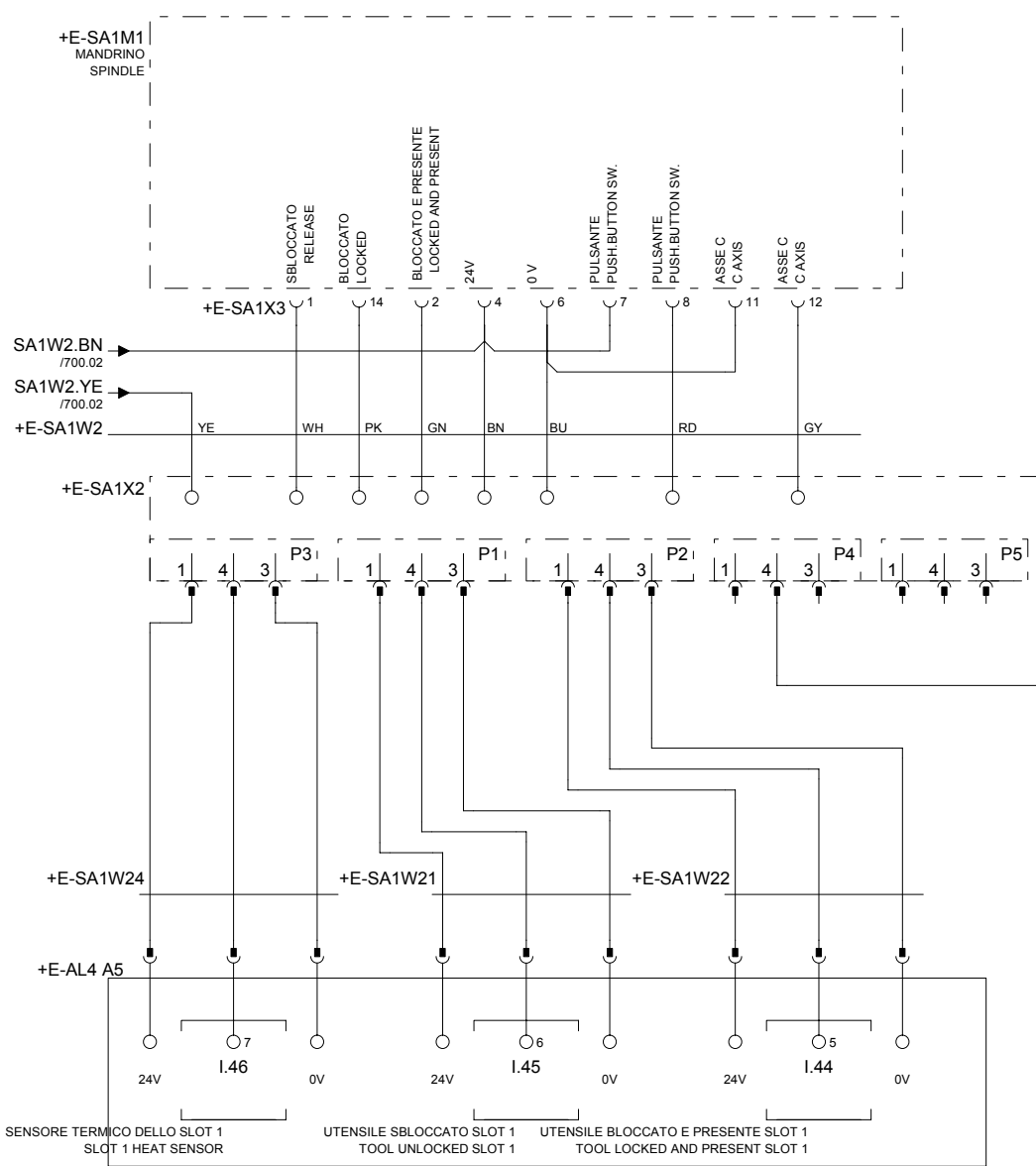
REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	 BIESSE CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE
000	CREAZIONE	25/06/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

DESCRIZIONE FOLGIO			ROVER B 2.30		= A	Gr.Fun. SA1
SHEET DESCRIPTION			SLOT 1		+ A	Foglio 701
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	702 F.S.	



REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014		DESCRIZIONE FOGLIO	ROVER B 2.30		= A	Gr.Fun. SA1		
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014		CLIENTE	SHEET DESCRIPTION			+ A	Foglio 702	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.		CLIENT	SLOT 1	REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076

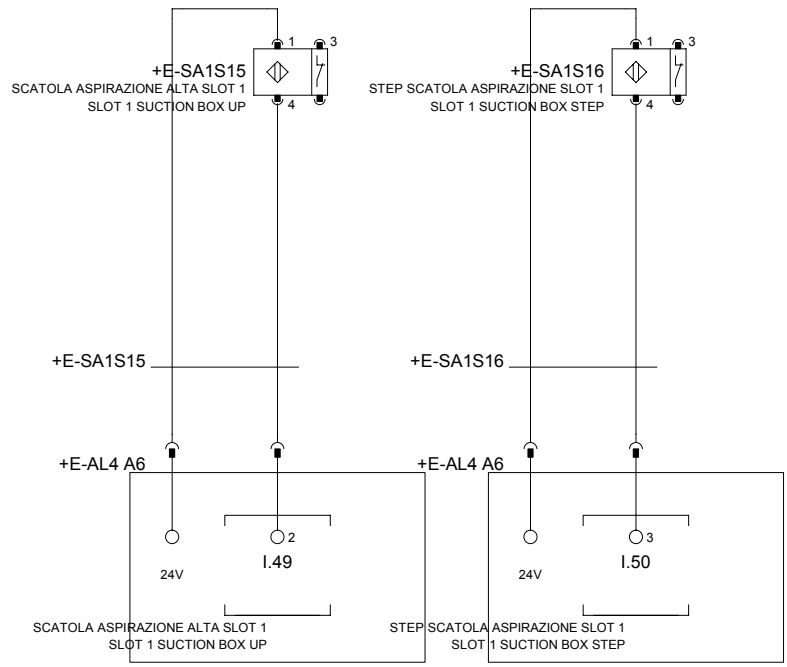
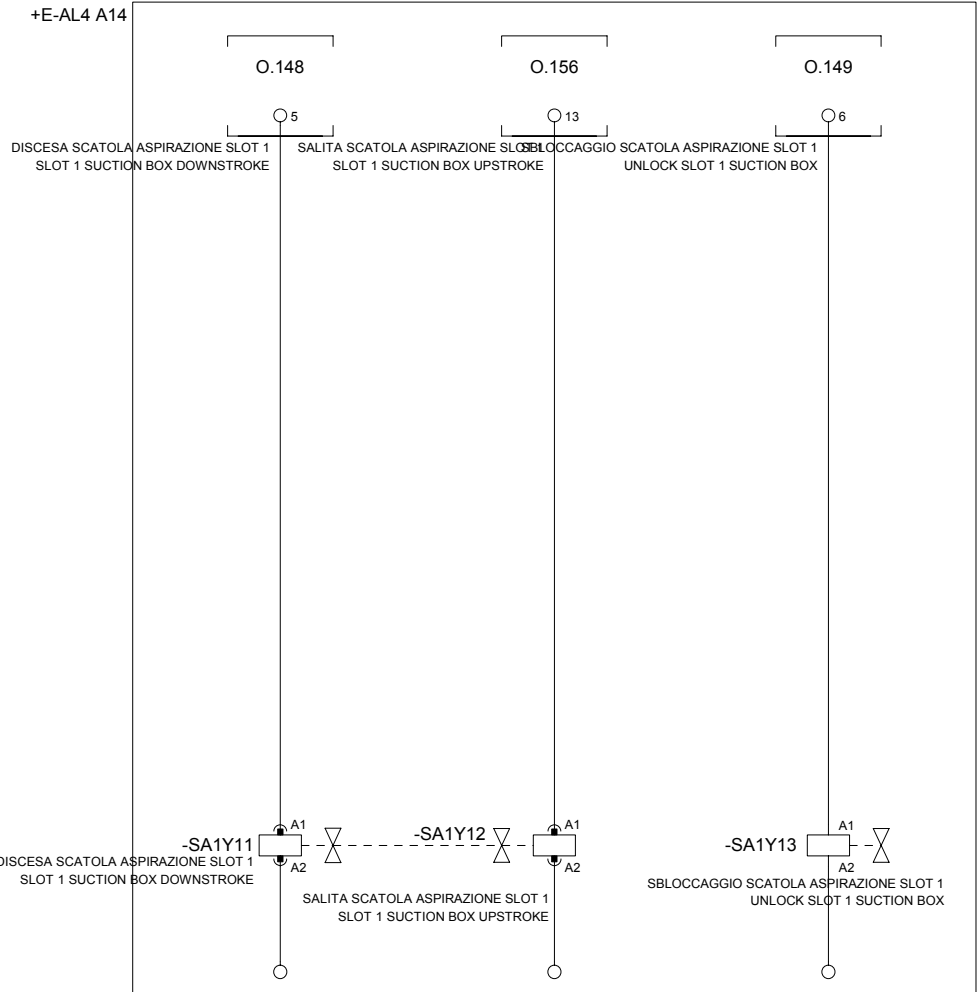
BIESSE						DESCRIZIONE FOGLIO	ROVER B 2.30		= A	Gr.Fun. SA1		
						SHEET DESCRIPTION			+ A	Foglio 702		
CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE						SLOT 1	REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	703 F.S.



REVISIONE	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	 DESCRIZIONE FOGLIO SHEET DESCRIPTION SLOT 1 SLOT 1
002 CREAZIONE	13/02/2004	rsilvestrini	P.M. 04-0019M	
REV. MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

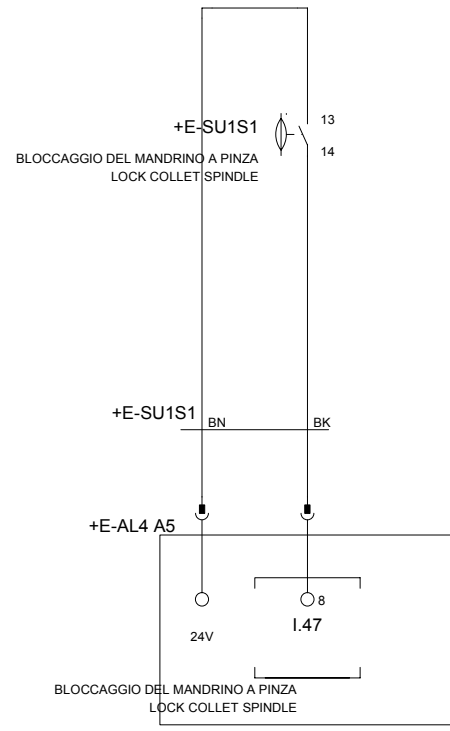
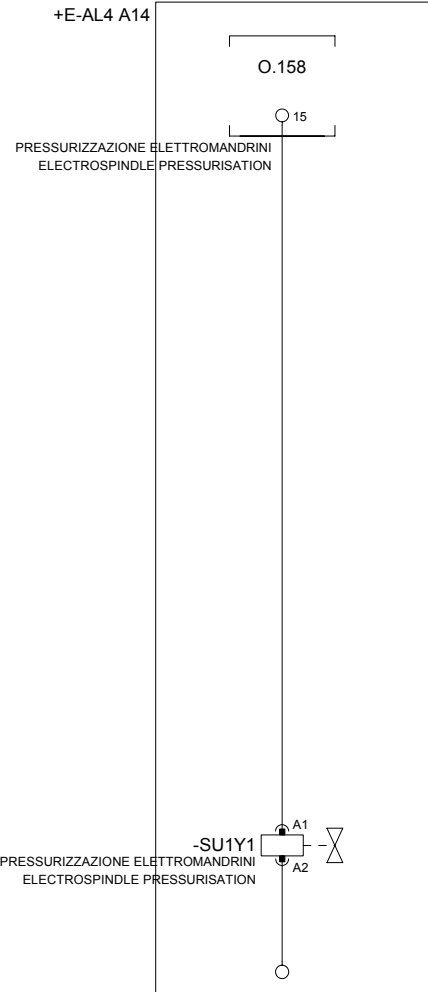
CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

ROVER B 2.30				= A	Gr.Fun. SA1
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	+ A	
				39076	Foglio 703
					704 F.S.

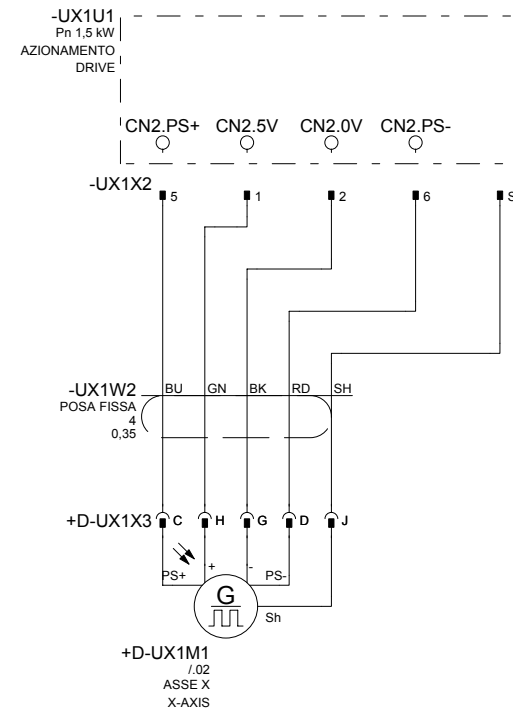
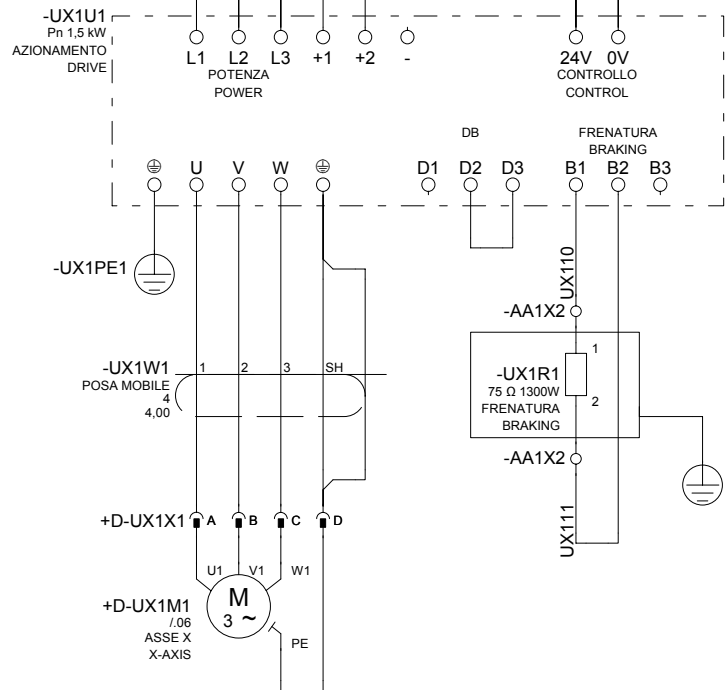
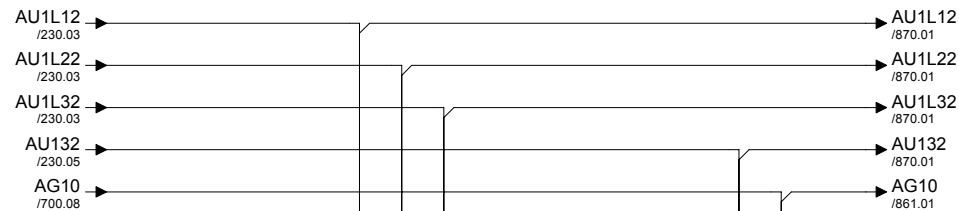


REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014		DESCRIZIONE FOLGIO	ROVER B 2.30	= A	Gr.Fun. SA1	
000	CREAZIONE	28/11/2003	rsilvestrini	P.M. 2003/014		CLIENTE		SCHEMA		+ A
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.		CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		DIAGRAM		

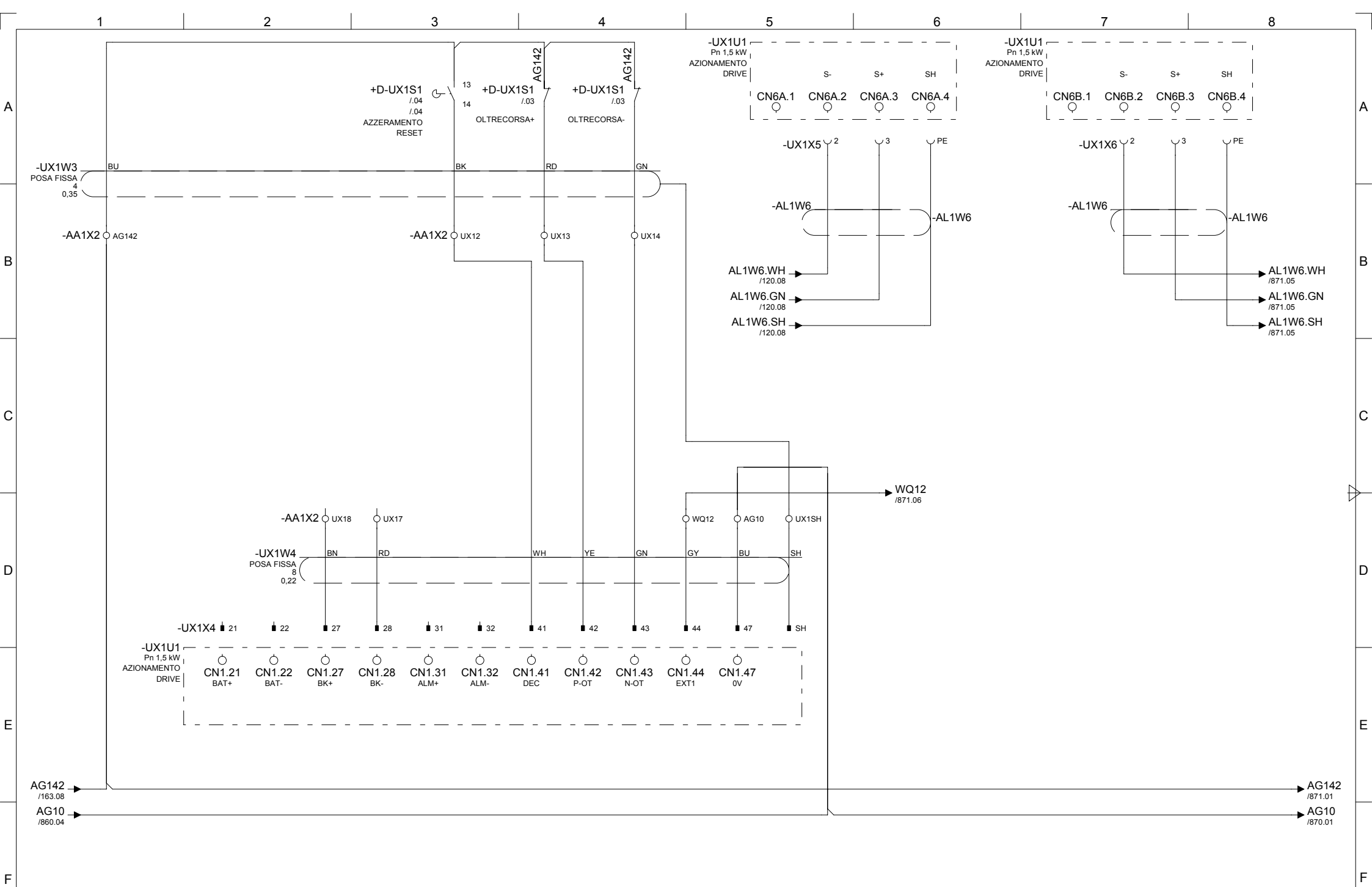
010.010	MATRICOLA	39076	Foglio	704
REL	DIAGRAM	010.010	SERIAL NUMBER	790 F.S.



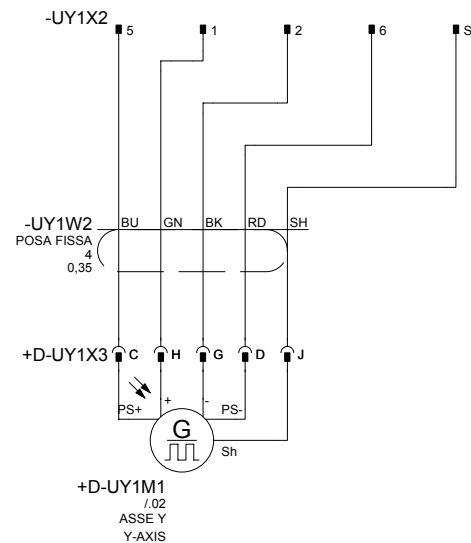
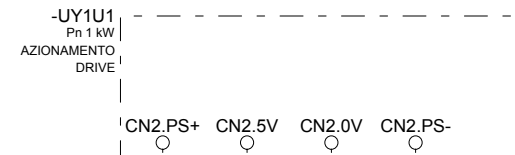
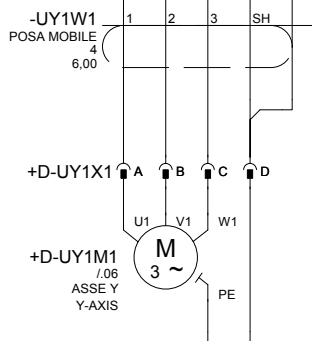
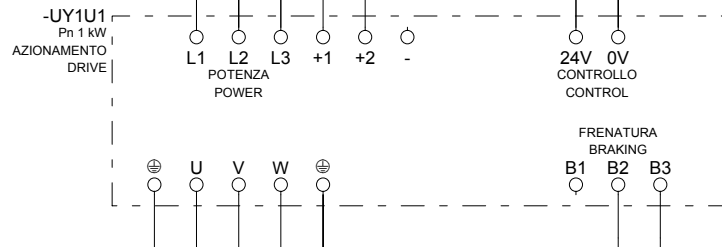
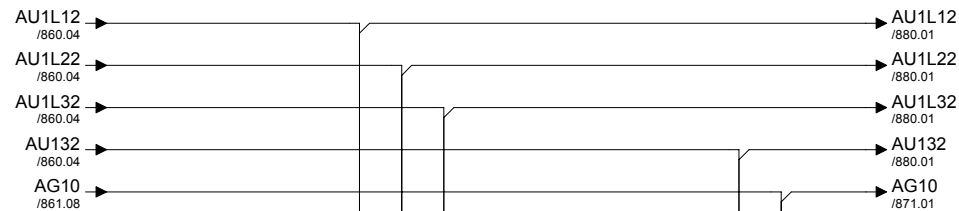
	REVISIONE					DESCRIZIONE FOGLIO	ROVER B 2.30		= A	Gr.Fun. SU1	
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014			SHEET DESCRIPTION			+ A	
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014		CLIENTE	PRESSURIZZAZIONE				Foglio 790
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.		CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE	PRESSURISATION	REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER 39076



						DESCRIZIONE FOLGIO SHEET DESCRIPTION ASSE X X-AXIS		ROVER B 2.30 = A Gr.Fun. UX1 + A						
REVISIONE	ELABORAZ.	DATA	DISEGNATORE							VER. E APPR.	CLIENTE	CLIENT	REL	SCHEMA DIAGRAM
000	CREAZIONE	24/07/2003	rsilvestrini	P.M. 2003/014	P.M. 2003/014	CLIENTE	CLIENT							
	REVISIONE	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014										



						DESCRIZIONE FOLGIO SHEET DESCRIPTION ASSE X X-AXIS		ROVER B 2.30		= A		Gr.Fun. UX1	
REVISIONE ELABORAZ. 26/04/2004 RANIERO SILVESTRINI P.M. 2003/014 001 CREAZIONE 13/02/2004 rsilvestrini P.M. 2003/014 REV. MODIFICA DATA DISEGNATORE VER. E APPR.										CLIENTE CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		MATRICOLA SERIAL NUMBER 010.010 39076	



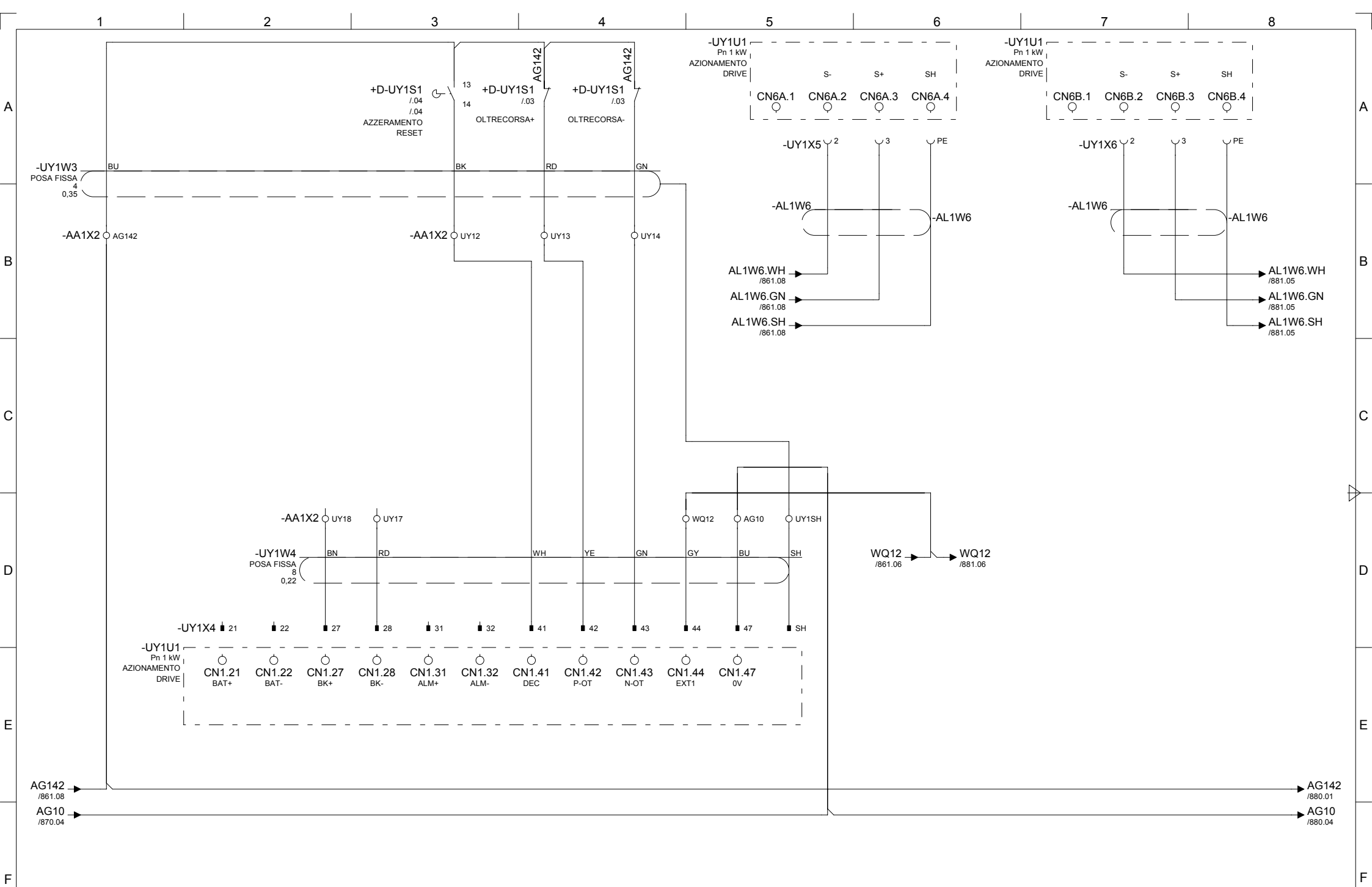
REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014
000	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.

BIESSE
 CLIENTE
 CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

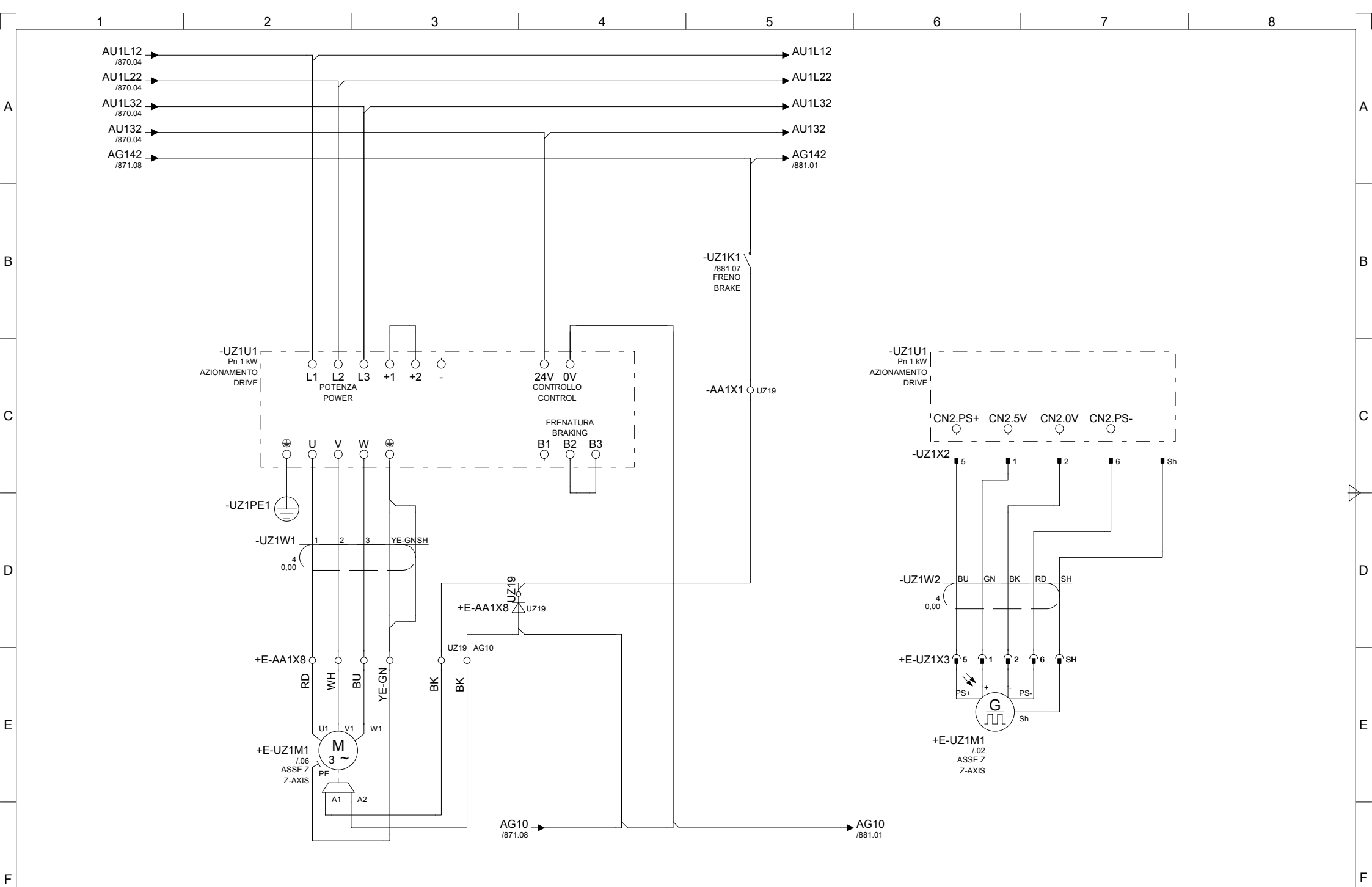
DESCRIZIONE FOLGIO
 SHEET DESCRIPTION
 ASSE Y
 Y-AXIS

ROVER B 2.30			= A	Gr.Fun. UY1
REL	SCHEMA DIAGRAM	010.010	+ A	Foglio 870
			MATRICOLA SERIAL NUMBER	39076

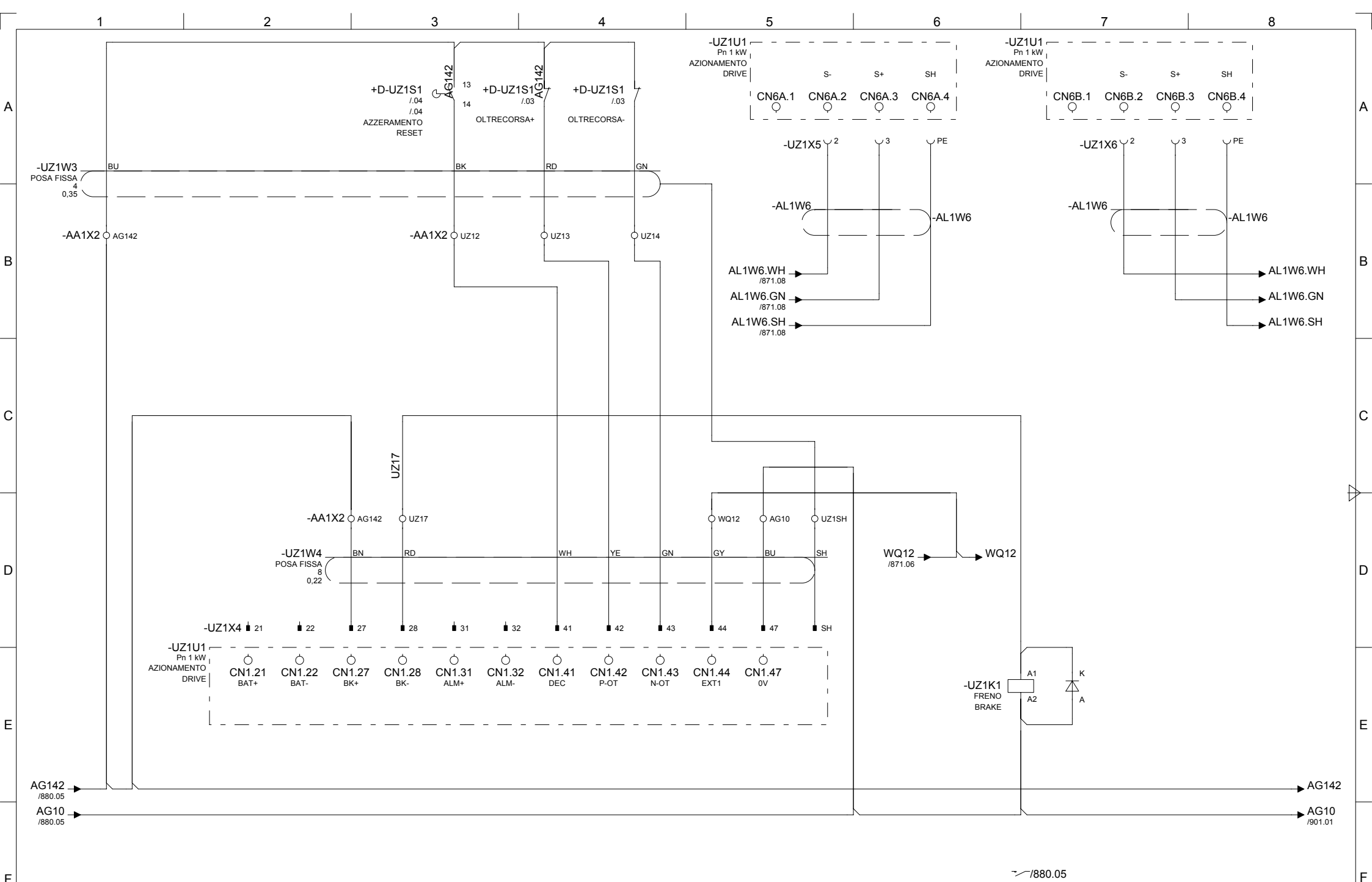
871 F.S.



						DESCRIZIONE FOLGIO SHEET DESCRIPTION ASSE Y Y-AXIS		ROVER B 2.30		= A		Gr.Fun. UY1	
001										P.M. 2003/014		P.M. 2003/014	
REVISIONE		ELABORAZ.		RANIERO SILVESTRINI		P.M. 2003/014							
REV.		MODIFICA		DATA		VER. E APPR.		CLIENTE		BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		REL SCHEMA DIAGRAM	
										010.010		MATRICOLA SERIAL NUMBER 39076	
												880 F.S.	



						DESCRIZIONE FOGLIO SHEET DESCRIPTION ASSE Z Z-AXIS		ROVER B 2.30		= A		Gr.Fun. UZ1	
001										P.M. 2003/014		P.M. 2003/014	
REV. MODIFICA DATA				VER. E APPR.		CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		REL SCHEMA DIAGRAM 010.010		MATRICOLA SERIAL NUMBER 39076		881 F.S.	



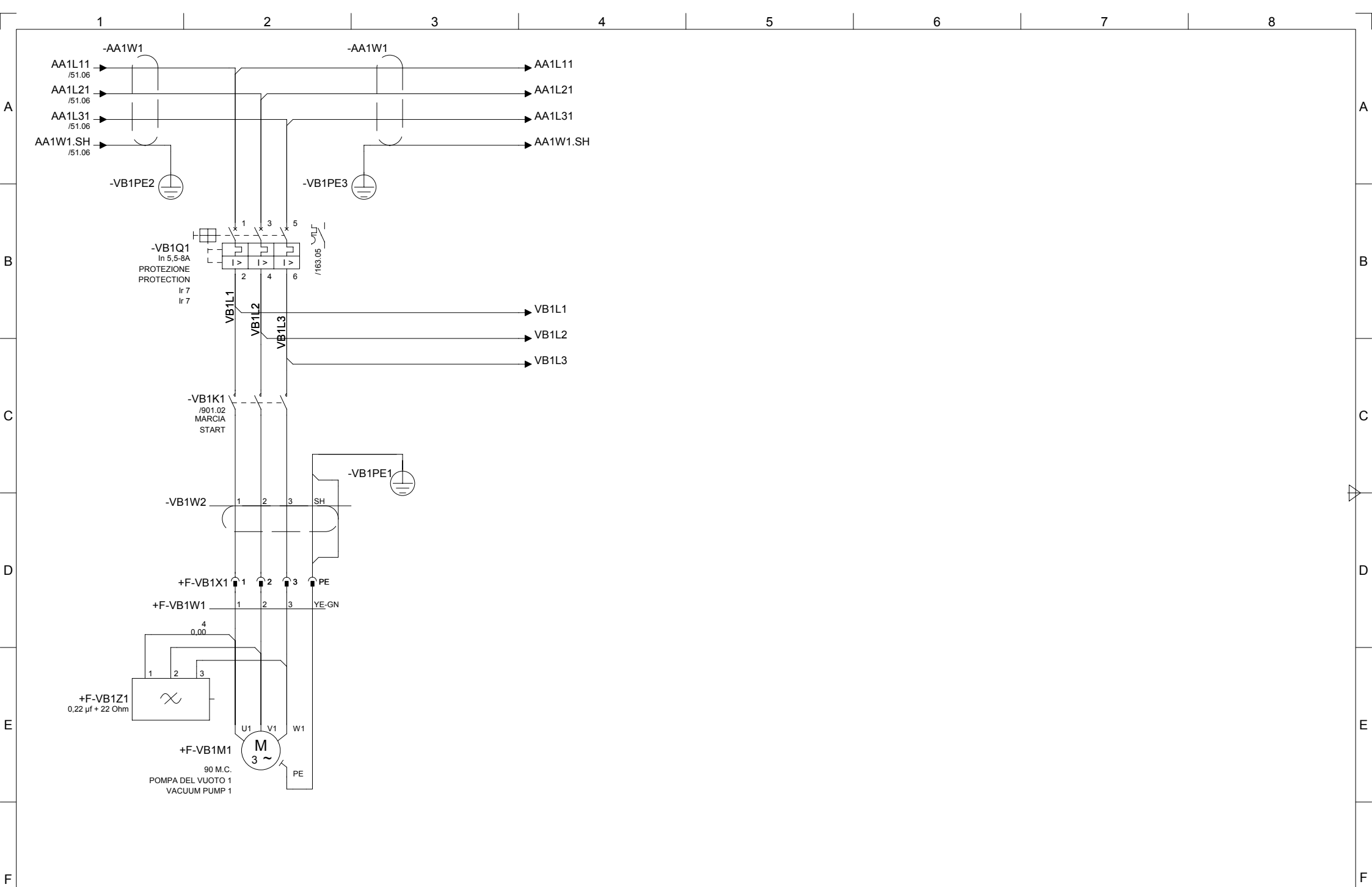
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REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.

BIESSE

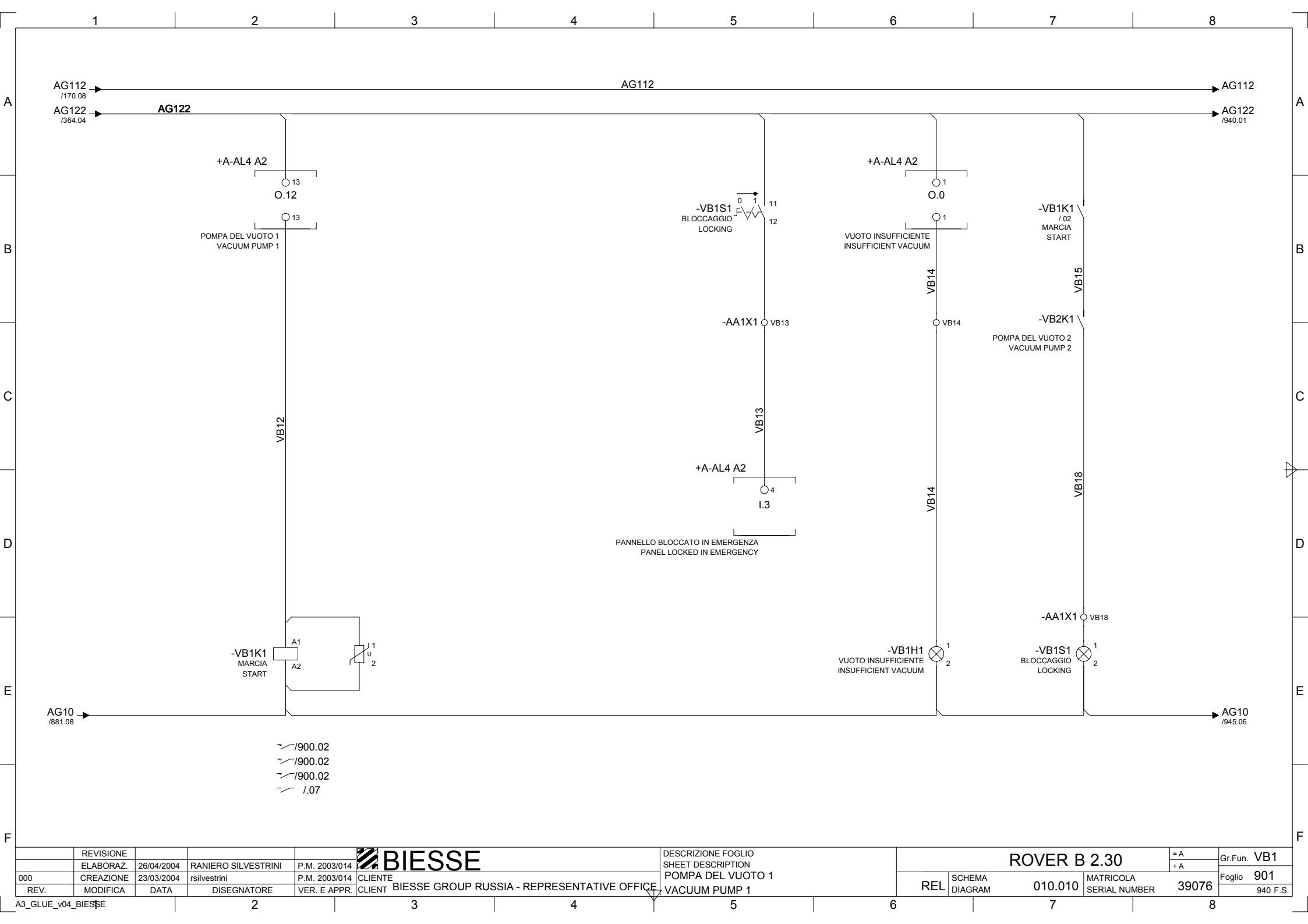
CLIENTE
CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
SHEET DESCRIPTION
ASSE Z
Z-AXIS

REL SCHEMA DIAGRAM 010.010				MATRICOLA SERIAL NUMBER 39076		= A	Gr.Fun. UZ1
				+ A		Foglio 881	
						900 F.S.	



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REVISIONE	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014																				
000	29/01/2004	rsilvestrini	P.M. 2003/014																				
REV.	MODIFICA	DATA	DISEGNATORE																				
				CLIENTE CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE	REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 900 901 F.S.													

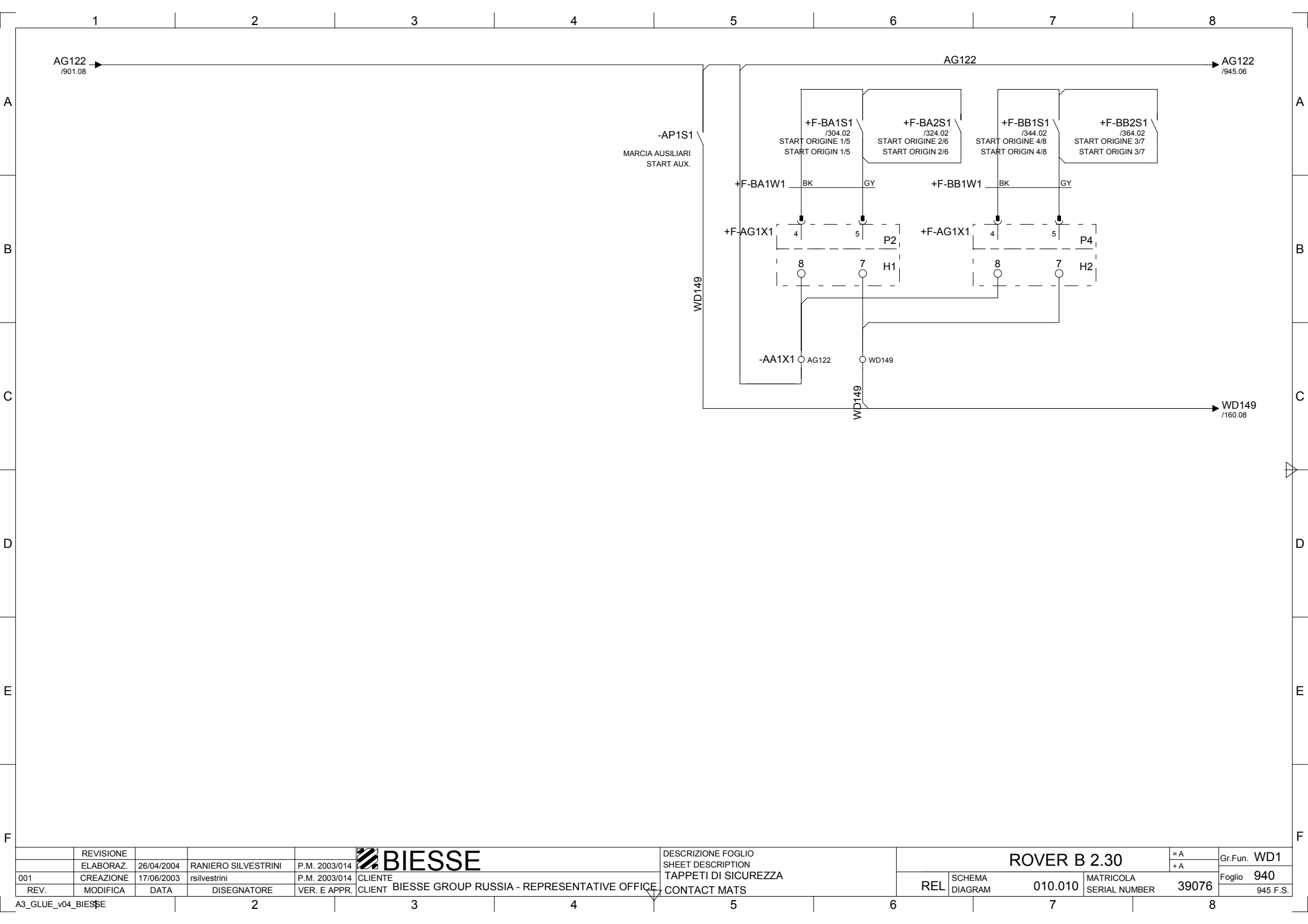


REVISIONE	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014
000	CREAZIONE	23/03/2004	rsilvestrini	P.M. 2003/014
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.

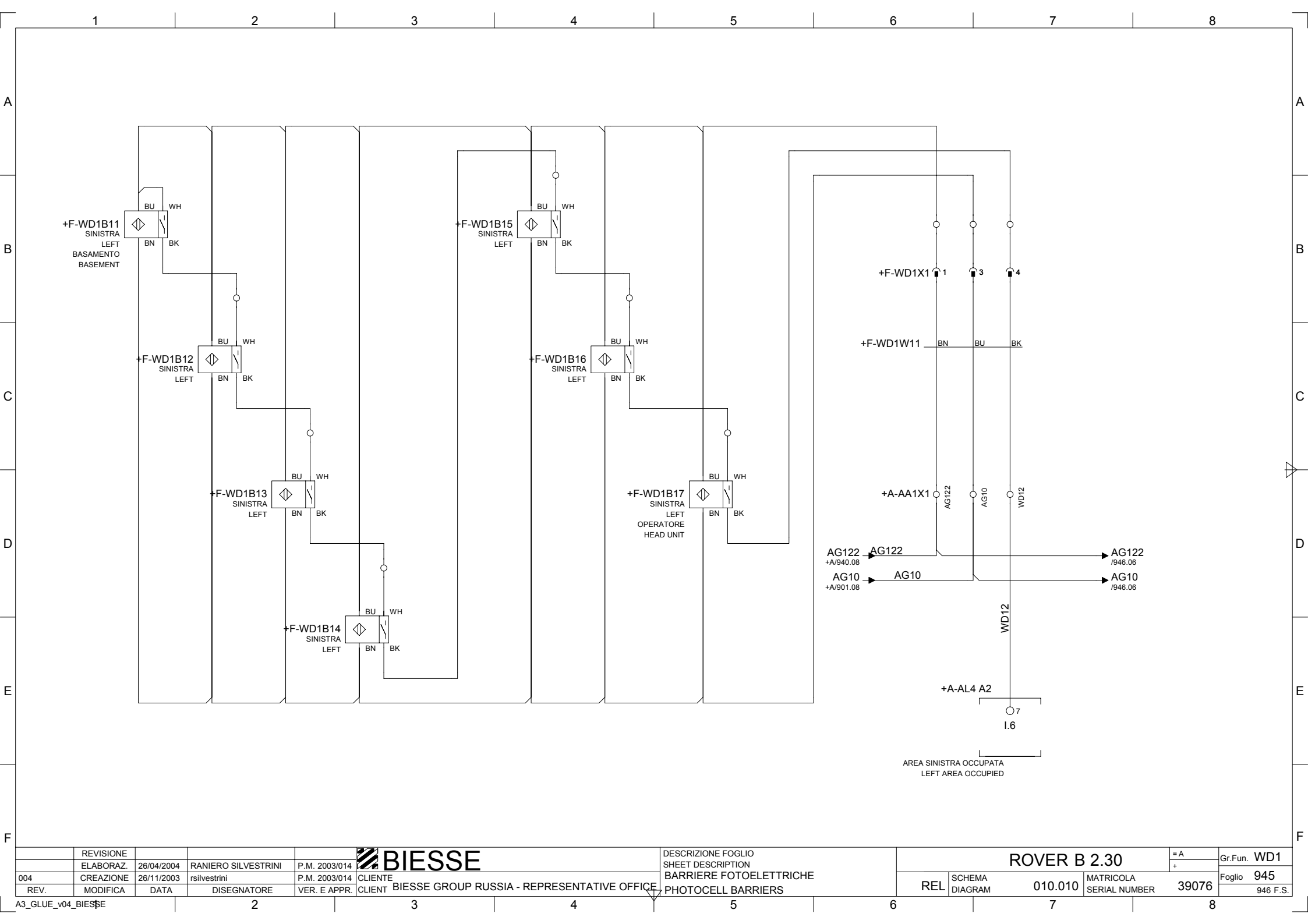
BIESSE
 CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
 SHEET DESCRIPTION
 POMPA DEL VUOTO 1
 VACUUM PUMP 1

ROVER B 2.30				= A	Gr.Fun. VB1
				+ A	
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 901 940 F.S.



						DESCRIZIONE FOLGIO			ROVER B 2.30		= A	Gr.Fun. WD1	
						SHEET DESCRIPTION					+ A		
001	REVISIONE	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE			REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 940
	CREAZIONE	17/06/2003	rsilvestrini	P.M. 2003/014	CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE								945 F.S.
	MODIFICA			VER. E APPR.									



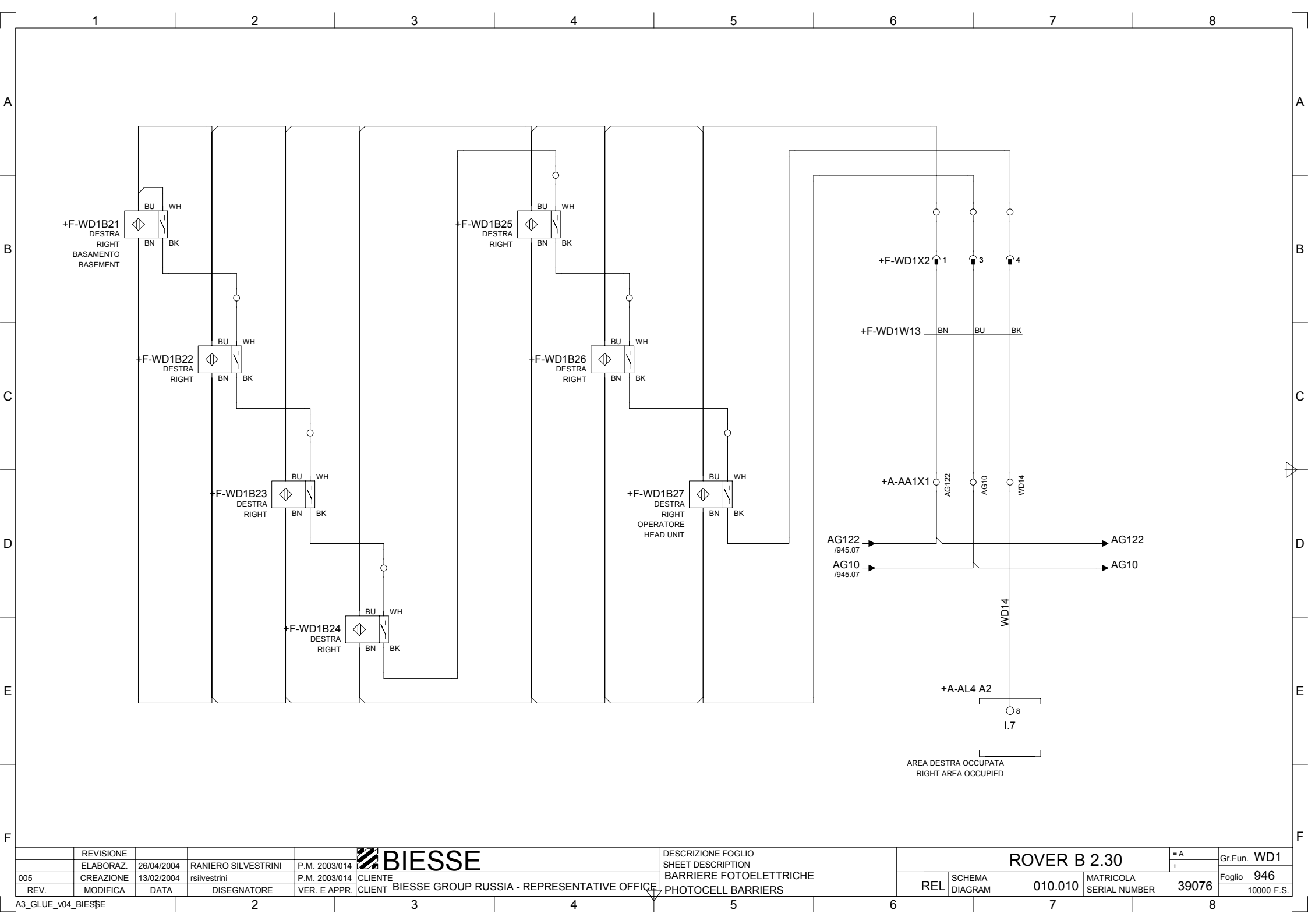
	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
004	CREAZIONE	26/11/2003	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

CLIENTE
 CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOGLIO
 SHEET DESCRIPTION
 BARRIERE FOTOELETTRICHE
 PHOTOCELL BARRIERS

ROVER B 2.30
 REL SCHEMA DIAGRAM 010.010

MATRICOLA SERIAL NUMBER 39076
 Gr.Fun. WD1
 Foglio 945
 946 F.S.



	REVISIONE				
	ELABORAZ.	26/04/2004	RANIERO SILVESTRINI	P.M. 2003/014	
005	CREAZIONE	13/02/2004	rsilvestrini	P.M. 2003/014	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	

CLIENTE
 CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOGLIO
 SHEET DESCRIPTION
 BARRIERE FOTOELETTRICHE
 PHOTOCELL BARRIERS

ROVER B 2.30				= A	Gr.Fun. WD1
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 946
				10000 F.S.	

1	2		3		4		5		6		7		8	
SCHEMA CARD	+A-AL4 A2		Modulo Module		REGOLAZIONE ADJUSTMENT		CH 1-1 (1)		Codice Code		P260		Lista I-O_v03	
TIPO MODEL	INDIRIZZO ADDRESS	FGL.COL SHE.COL	PIN PIN	COND. COND.	COLORE COLOUR	GRUPPO UNIT	FUNZIONE FUNCTION	MNEMONICO MNEMONIC						
Digital input	I.0	=A+A/160.03	1		AP195	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT	CIRCUITO DI EMERGENZA OK EMERGENCY CIRCUIT OK							
Digital input	I.1	=A+A/201.02	2		AS18	ALIMENTAZIONE INVERTER 1 INVERTER 1 POWER SUPPLY	MOTORE FERMO INVERTER 1							
Digital input	I.2	=A+A/170.07	3		AR13	ATTREZZAGGIO TOOLING	ATTREZZAGGIO MACCHINA MACHINE TOOLING							
Digital input	I.3	=A+A/901.05	4		VB13	POMPA DEL VUOTO 1 VACUUM PUMP 1	PANNELLO BLOCCATO IN EMERGENZA PANEL LOCKED IN EMERGENCY							
Digital input	I.5	=A+A/170.06	6		AR17	ATTREZZAGGIO TOOLING	DISABILITAZIONE ROTAZIONE UTENSILI TOOL ROTATION DISABLING							
Digital input	I.6	=A/945.07	7		WD12	BARRIERE FOTOELETTRICHE PHOTOCELL BARRIERS	AREA SINISTRA OCCUPATA LEFT AREA OCCUPIED							
Digital input	I.7	=A/946.07	8		WD14	BARRIERE FOTOELETTRICHE PHOTOCELL BARRIERS	AREA DESTRA OCCUPATA RIGHT AREA OCCUPIED							
Digital input	I.11	=A+A/160.03	12		AG113	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT	ABILITAZIONE CIRCUITI AUSILIARI ENABLE AUXILIARY CIRCUITS							
Digital input	I.12	=A+A/126.02	13		+A-AL1W16	BN	CONTROLLO NUMERICO NUMERICAL CONTROL	VERRIDE ASSI (BIT 0) AXES OVERRIDE (BIT 0)						
Digital input	I.13	=A+A/126.03	14		+A-AL1W16	GN	CONTROLLO NUMERICO NUMERICAL CONTROL	VERRIDE ASSI (BIT 1) AXES OVERRIDE (BIT 1)						
Digital input	I.14	=A+A/126.04	15		+A-AL1W16	BK	CONTROLLO NUMERICO NUMERICAL CONTROL	VERRIDE ASSI (BIT 2) AXES OVERRIDE (BIT 2)						
Digital input	I.15	=A+A/126.05	16		+A-AL1W16	OG	CONTROLLO NUMERICO NUMERICAL CONTROL	VERRIDE ASSI (BIT 3) AXES OVERRIDE (BIT 3)						
Digital output	O.0	=A+A/901.06	1		AG122		POMPA DEL VUOTO 1 VACUUM PUMP 1	VUOTO INSUFFICIENTE INSUFFICIENT VACUUM						
Digital output	O.1	=A+A/161.03	2		AG113		CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT	POTENZA MACCHINA MACHINE POWER						
Digital input	O.2	=A+A/700.07	3		AG144		SLOT 1 SLOT 1	ABILITAZIONE SLOT 1 SLOT 1 ENABLE						
Digital output	O.3	=A+A/201.03	4		AS15		ALIMENTAZIONE INVERTER 1 INVERTER 1 POWER SUPPLY	INVERTER 1 INVERTER 1						
Digital output	O.4	=A+A/450.07	5		AG144		GRUPPO DI FORATURA BORING UNIT	ABILITAZIONE MANDRINI SPINDLES ENABLING						
Digital output	O.5	=A+A/201.05	6		AG122		ALIMENTAZIONE INVERTER 1 INVERTER 1 POWER SUPPLY	ABILIT. RELE' MANDRINO FERMO						
Digital output	O.7	=A+A/304.04	8		AG122		BATTUTE AREA SX1 AREA SX1 STOPS	START ORIGINE 1/5						
Digital output	O.8	=A+A/324.04	9		AG122		BATTUTE AREA SX2 AREA SX2 STOPS	START ORIGINE 2/6						

REVISIONE		ELABORAZ. 27/04/2004		rsilvestrini				DESCRIZIONE FOLGIO SHEET DESCRIPTION		ROVER B 2.30		Gr.Fun.			
CREAZIONE 18/01/2000		Cicchetti		CLIENTE				Lista I/O: +A-AL4 A2		REL SCHEMA DIAGRAM		010.010		Foglio 10000	
REV. MODIFICA		DATA		DISEGNATORE		VER. E APPR.		CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		MATRICOLA SERIAL NUMBER		39076			
A3_GLUE_v04_BIESSE		2		3		4		5		6		7		8	

SCHEDA CARD **+A-AL4 A2** Modulo Module REGOLAZIONE ADJUSTMENT CH 1-1 (1)

Codice Code **P260** Lista I-O_v03

TIPO MODEL	INDIRIZZO ADDRESS	FGL.COL SHE.COL	PIN PIN	COND. COND.	COLORE COLOUR	GRUPPO UNIT	FUNZIONE FUNCTION	MNEMONICO MNEMONIC
------------	-------------------	-----------------	---------	-------------	---------------	-------------	-------------------	--------------------

Digital output	O.9	=A+A/364.04	10 10	AG122 BB211		BATTUTE AREA DX2 AREA DX2 STOPS	START ORIGINE 3/7 START ORIGIN 3/7	
Digital output	O.10	=A+A/344.04	11 11	AG122 BB111		BATTUTE AREA DX1 AREA DX1 STOPS	START ORIGINE 4/8	
Digital output	O.12	=A+A/901.02	13 13	AG122 VB12		POMPA DEL VUOTO 1 VACUUM PUMP 1	POMPA DEL VUOTO 1 VACUUM PUMP 1	

1	2			3		4		5		6		7		8	
SCHEDA CARD	+A-AL4 A3			Modulo Module		REGOLAZIONE ADJUSTMENT		CH 1-2 (2)		Codice Code		P261			
A	TIPO MODEL	INDIRIZZO ADDRESS	FGL.COL SHE.COL	PIN PIN	COND. COND.	COLORE COLOUR	GRUPPO UNIT		FUNZIONE FUNCTION		MNEMONICO MNEMONIC				
	Digital input	I.16	=A+A/163.08	1		AP163	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT		SERIE INTERRUTTORI OK SWITCH SERIES OK						
	Digital input	I.17	=A+A/160.03	2		AP140	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT		CONTATTORI A RIPOSO COUNTERS IDLE						
	Digital input	I.18	=A+A/164.08	3		AP175	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT		DISPOSITIVI EMERGENZA A BORDO MACCHINA MACHINE SIDE EMERGENCY DEVICES						
B	Digital input	I.19	=A+A/165.02	4		AP177	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT		SERIE PULSANTI DI EMERGENZA OK EMERGENCY BUTTONS SERIES OK						
	Digital input	I.20	=A+A/165.04	5		AP182	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT		RESISTENZA INVERTER OK INVERTER RESISTOR OK						
	Digital input	I.21	=A+A/165.04	6		AP184	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT		RESISTENZA ASSE X OK X AXIS RESISTOR OK						
	Digital input	I.24	=A+A/164.05	9		AP174	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT		FUNE CORD						
C	Digital input	I.25	=A+A/160.07	10		WD149 WD149	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT		MARCIA AUSILIARI START AUX.						
	Digital input	I.28	=A+A/164.04	13		AP170	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT		MANCANZA PRESSIONE ARIA NO AIR PRESSURE						
	Digital input	I.30	=A+A/703.06	15		SA123	SLOT 1 SLOT 1		SBLOCCO MANUALE UTENSILE SLOT 1 MANUAL TOOL UNLOCK SLOT 1						
D															
E															
F															

Lista I-O_v03



CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE


DESCRIZIONE FOLGIO
SHEET DESCRIPTION
Lista I/O: +A-AL4 A3

ROVER B 2.30

REL SCHEMA DIAGRAM 010.010 MATRICOLA SERIAL NUMBER 39076

Gr.Fun. 10002
Foglio 10003 F.S.

1	2		3		4		5		6		7	8
SCHEDA CARD	+E-AL4 A5		Modulo Module		REGOLAZIONE ADJUSTMENT		CH2-1 (00001)		Codice Code		CE201	
TIPO MODEL	INDIRIZZO ADDRESS	FGL.COL SHE.COL	PIN PIN	COND. COND.	COLORE COLOUR	GRUPPO UNIT		FUNZIONE FUNCTION			MNEMONICO MNEMONIC	
A	Digital input	I.40	=A+A/701.06	1	+E-SA1S1	SLOT 1 SLOT 1		PISTONE 1 ALTO SLOT 1 PISTON 1 UP SLOT 1				
	Digital input	I.41	=A+A/701.07	2	+E-SA1S2	SLOT 1 SLOT 1		PISTONE 1 BASSO SLOT 1 PISTON 1 DOWN SLOT 1				
	Digital input	I.42	=A+A/702.06	3	+E-SA1S10	SLOT 1 SLOT 1		PISTONE 2 ALTO SLOT 1 PISTON 2 UP SLOT 1				
	Digital input	I.43	=A+A/702.07	4	+E-SA1S11	SLOT 1 SLOT 1		PISTONE 2 BASSO SLOT 1 PISTON 2 DOWN SLOT 1				
B	Digital input	I.44	=A+A/703.04	5	+E-SA1W22	SLOT 1 SLOT 1		UTENSILE BLOCCATO E PRESENTE SLOT 1 TOOL LOCKED AND PRESENT SLOT 1				
	Digital input	I.45	=A+A/703.03	6	+E-SA1W21	SLOT 1 SLOT 1		UTENSILE SBLOCCATO SLOT 1 TOOL UNLOCKED SLOT 1				
	Digital input	I.46	=A+A/703.01	7	+E-SA1W24	SLOT 1 SLOT 1		SENSORE TERMICO DELLO SLOT 1 SLOT 1 HEAT SENSOR				
C	Digital input	I.47	=A+A/790.05	8	+E-SU1S1	BK	PRESSURIZZAZIONE PRESSURISATION		BLOCCAGGIO DEL MANDRINO A PINZA LOCK COLLET SPINDLE			
D												
E												
F												


REVISIONE	ELABORAZ.	27/04/2004	rsilvestrini		 BIESSE	DESCRIZIONE FOLGIO SHEET DESCRIPTION Lista I/O: +E-AL4 A5	ROVER B 2.30	= A	Gr.Fun.				
CREAZIONE	27/04/2004	rsilvestrini											
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.									
					CLIENTE CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE		REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 10004	10005 F.S.

1	2		3		4		5		6		7		8	
SCHEMA CARD	+E-AL4 A10		Modulo Module		REGOLAZIONE ADJUSTMENT		CH2-6 (00110)		Codice Code		CE305		Lista I-O_v03	
TIPO MODEL	INDIRIZZO ADDRESS	FGL.COL SHE.COL	PIN PIN	COND. COND.	COLORE COLOUR	GRUPPO UNIT	GRUPPO UNIT	GRUPPO UNIT	GRUPPO UNIT	GRUPPO UNIT	GRUPPO UNIT	GRUPPO UNIT	GRUPPO UNIT	GRUPPO UNIT
										FUNZIONE FUNCTION	MNEMONICO MNEMONIC			
Digital output	O.80	=A+A/454.03	1			GRUPPO DI FORATURA BORING UNIT					DISCESA MANDRINO VERTICALE 8 LOWER VERTICAL SPINDLE 8			
Digital output	O.81	=A+A/454.02	2			GRUPPO DI FORATURA BORING UNIT					DISCESA MANDRINO VERTICALE 7 LOWER VERTICAL SPINDLE 7			
Digital output	O.86	=A+A/453.02	7			GRUPPO DI FORATURA BORING UNIT					DISCESA MANDRINO VERTICALE 1 LOWER VERTICAL SPINDLE 1			
Digital output	O.87	=A+A/453.03	8			GRUPPO DI FORATURA BORING UNIT					DISCESA MANDRINO VERTICALE 2 LOWER VERTICAL SPINDLE 2			
Digital output	O.88	=A+A/454.04	9			GRUPPO DI FORATURA BORING UNIT					DISCESA MANDRINO VERTICALE 9 LOWER VERTICAL SPINDLE 9			
Digital output	O.89	=A+A/454.05	10			GRUPPO DI FORATURA BORING UNIT					DISCESA MANDRINO VERTICALE 10 LOWER VERTICAL SPINDLE 10			
Digital output	O.90	=A+A/454.06	11			GRUPPO DI FORATURA BORING UNIT					DISCESA MANDRINO VERTICALE 11 LOWER VERTICAL SPINDLE 11			
Digital output	O.91	=A+A/454.07	12			GRUPPO DI FORATURA BORING UNIT					DISCESA MANDRINO VERTICALE 12 LOWER VERTICAL SPINDLE 12			
Digital output	O.92	=A+A/453.07	13			GRUPPO DI FORATURA BORING UNIT					DISCESA MANDRINO VERTICALE 6 LOWER VERTICAL SPINDLE 6			
Digital output	O.93	=A+A/453.06	14			GRUPPO DI FORATURA BORING UNIT					DISCESA MANDRINO VERTICALE 5 LOWER VERTICAL SPINDLE 5			
Digital output	O.94	=A+A/453.05	15			GRUPPO DI FORATURA BORING UNIT					DISCESA MANDRINO VERTICALE 4 LOWER VERTICAL SPINDLE 4			
Digital output	O.95	=A+A/453.04	16			GRUPPO DI FORATURA BORING UNIT					DISCESA MANDRINO VERTICALE 3 LOWER VERTICAL SPINDLE 3			

REVISIONE		ELABORAZ. 27/04/2004		rsilvestrini		DESCRIZIONE FOGGIO SHEET DESCRIPTION		ROVER B 2.30		= A		Gr.Fun.		
CREAZIONE		27/04/2004		rsilvestrini		Lista I/O: +E-AL4 A10				+		Foglio 10006		
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE				REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	10007 F.S.

1	2		3			4		5		6		7	8
SCHEDA CARD	+E-AL4 A14		Modulo Module			REGOLAZIONE ADJUSTMENT		CH 2-10 (A)		Codice Code		PM57	
TIPO MODEL	INDIRIZZO ADDRESS	FGL.COL SHE.COL	PIN PIN	COND. COND.	COLORE COLOUR	GRUPPO UNIT		FUNZIONE FUNCTION		MNEMONICO MNEMONIC			
Digital output	O.144	=A+A/522.03	1			MAGAZZINO UTENSILE CR CR TOOL MAGAZINE		MAGAZZINO UTENSILI CR AVANTI TOOL MAGAZINE CR REWARD					
Digital output	O.145	=A+A/703.08	2			SLOT 1 SLOT 1		SBLOCCAGGIO UTENSILE SLOT 1					
Digital output	O.146	=A+A/701.03	3			SLOT 1 SLOT 1		DISCESA PISTONE 1 SLOT 1					
Digital output	O.147	=A+A/702.03	4			SLOT 1 SLOT 1		DISCESA PISTONE 2 SLOT 1					
Digital output	O.148	=A+A/704.02	5			SLOT 1 SLOT 1		DISCESA SCATOLA ASPIRAZIONE SLOT 1 SLOT 1 SUCTION BOX DOWNSTROKE					
Digital output	O.149	=A+A/704.04	6			SLOT 1 SLOT 1		SBLOCCAGGIO SCATOLA ASPIRAZIONE SLOT 1 UNLOCK SLOT 1 SUCTION BOX					
Digital output	O.150	=A+A/522.08	7			MAGAZZINO UTENSILE CR CR TOOL MAGAZINE		SOFFIATORE MAGAZZINO UTENSILI CR BLOWER TOOL MAGAZINE CR					
Digital output	O.151	=A+A/701.04	8			SLOT 1 SLOT 1		SOFFIATORE SLOT 1					
Digital output	O.152	=A+A/522.02	9			MAGAZZINO UTENSILE CR CR TOOL MAGAZINE		MAGAZZINO UTENSILI CR INDIETRO TOOL MAGAZINE CR FORWARD					
Digital output	O.153	=A+A/703.07	10			SLOT 1 SLOT 1		BLOCCAGGIO UTENSILE SLOT 1 SLOT 1 TOOL BLOCKING					
Digital output	O.154	=A+A/701.02	11			SLOT 1 SLOT 1		SALITA PISTONE 1 SLOT 1 PISTON 1 ASCENT SLOT 1					
Digital output	O.155	=A+A/702.02	12			SLOT 1 SLOT 1		SALITA PISTONE 2 SLOT 1					
Digital output	O.156	=A+A/704.03	13			SLOT 1 SLOT 1		SALITA SCATOLA ASPIRAZIONE SLOT 1 SLOT 1 SUCTION BOX UPSTROKE					
Digital output	O.158	=A+A/790.02	15			PRESSURIZZAZIONE PRESSURISATION		PRESSURIZZAZIONE ELETTRROMANDRINI ELECTROSPINDLE PRESSURISATION					

Lista I-O_v03

REVISIONE	ELABORAZ.	27/04/2004	rsilvestrini			 BIESSE CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE	DESCRIZIONE FOGLIO SHEET DESCRIPTION Lista I/O: +E-AL4 A14	ROVER B 2.30	= A	Gr.Fun.			
CREAZIONE	27/04/2004	rsilvestrini									Foglio 10008		
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.				REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	10009 F.S.

SCHEDA CARD +F-AL4 A24

Modulo Module REGOLAZIONE ADJUSTMENT CH 3-6 (6)

Codice Code PM57

Lista I-O_v03

A	TIPO MODEL	INDIRIZZO ADDRESS	FGL.COL SHE.COL	PIN PIN	COND. COND.	COLORE COLOUR	GRUPPO UNIT	FUNZIONE FUNCTION	MNEMONICO MNEMONIC	A
	Digital output	O.273	=A+A/380.02	2			BLOCCAGGIO PEZZO AREA SX1 AREA SX1 PIECE LOCKING	VUOTO ON SX1 VACUUM SX1 ON		
Digital output	O.274	=A+A/381.02	3			BLOCCAGGIO PEZZO AREA SX1 AREA SX1 PIECE LOCKING	VUOTO AUSILIARIO ON SX1 VACUUM SX1 AUXILIARY SYSTEM ON			
Digital output	O.275	=A+A/303.02	4			BATTUTE AREA SX1 AREA SX1 STOPS	SALITA BATTUTE LATERALI SX 1 LH SIDE STOPS 1 UPSTROKE			
Digital output	O.276	=A+A/323.02	5			BATTUTE AREA SX2 AREA SX2 STOPS	SALITA BATTUTE LATERALI SX 2 LH SIDE STOPS 2 UPSTROKE			
Digital output	O.277	=A+A/300.02	6			BATTUTE AREA SX1 AREA SX1 STOPS	SALITA BATTUTE FRONTALI SX 1 FILA 1 LH FRONT STOPS 1 ROW 1 UPSTROKE			
Digital output	O.281	=A+A/380.03	10			BLOCCAGGIO PEZZO AREA SX1 AREA SX1 PIECE LOCKING	VUOTO OFF SX1 VACUUM SX1 OFF			
Digital output	O.282	=A+A/381.03	11			BLOCCAGGIO PEZZO AREA SX1 AREA SX1 PIECE LOCKING	VUOTO AUSILIARIO OFF SX1 VACUUM SX1 AUXILIARY SYSTEM OFF			
Digital output	O.283	=A+A/303.03	12			BATTUTE AREA SX1 AREA SX1 STOPS	DISCESA BATTUTE LATERALI SX 1 LH SIDE STOPS 1 DOWNSTROKE			
Digital output	O.284	=A+A/323.03	13			BATTUTE AREA SX2 AREA SX2 STOPS	DISCESA BATTUTE LATERALI SX 2 LH SIDE STOPS 2 DOWNSTROKE			
Digital output	O.285	=A+A/300.03	14			BATTUTE AREA SX1 AREA SX1 STOPS	DISCESA BATTUTE FRONTALI SX 1 FILA 1			

REVISIONE	ELABORAZ.	27/04/2004	rsilvestrini		DESCRIZIONE FOGLIO SHEET DESCRIPTION Lista I/O: +F-AL4 A24	ROVER B 2.30			= A	Gr.Fun.	
CREAZIONE	27/04/2004	rsilvestrini	+								
REV.	MODIFICA	DATA	DISEGNATORE			VER. E APPR.	CLIENTE CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE	REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER

1	2		3		4		5		6		7		8	
SCHEDA CARD	+F-AL4 A25		Modulo Module		REGOLAZIONE ADJUSTMENT		CH 3-7 (7)		Codice Code		PM57		Lista I-O_v03	
TIPO MODEL	INDIRIZZO ADDRESS	FGL.COL SHE.COL	PIN PIN	COND. COND.	COLORE COLOUR	GRUPPO UNIT	FUNZIONE FUNCTION		MNEMONICO MNEMONIC					
Digital output	O.289	=A+A/400.02	2			BLOCCAGGIO PEZZO AREA DX1 AREA DX1 PIECE LOCKING	VUOTO ON DX1 VACUUM DX1 ON							
Digital output	O.290	=A+A/401.02	3			BLOCCAGGIO PEZZO AREA DX1 AREA DX1 PIECE LOCKING	VUOTO AUSILIARIO ON DX1 VACUUM DX1 AUXILIARY SYSTEM ON							
Digital output	O.291	=A+A/343.02	4			BATTUTE AREA DX1 AREA DX1 STOPS	SALITA BATTUTE LATERALI DX 1 RH SIDE STOPS 1 UPSTROKE							
Digital output	O.292	=A+A/363.02	5			BATTUTE AREA DX2 AREA DX2 STOPS	SALITA BATTUTE LATERALI DX 2 RH SIDE STOPS 2 UPSTROKE							
Digital output	O.293	=A+A/340.02	6			BATTUTE AREA DX1 AREA DX1 STOPS	SALITA BATTUTE FRONTALI DX 1 FILA 1 RH FRONT STOPS 1 ROW 1 UPSTROKE							
Digital output	O.297	=A+A/400.03	10			BLOCCAGGIO PEZZO AREA DX1 AREA DX1 PIECE LOCKING	VUOTO OFF DX1 VACUUM DX1 OFF							
Digital output	O.298	=A+A/401.03	11			BLOCCAGGIO PEZZO AREA DX1 AREA DX1 PIECE LOCKING	VUOTO AUSILIARIO OFF DX1 VACUUM DX1 AUXILIARY SYSTEM OFF							
Digital output	O.299	=A+A/343.03	12			BATTUTE AREA DX1 AREA DX1 STOPS	DISCESA BATTUTE LATERALI DX 1 RH SIDE STOPS 1 DOWNSTROKE							
Digital output	O.300	=A+A/363.03	13			BATTUTE AREA DX2 AREA DX2 STOPS	DISCESA BATTUTE LATERALI DX 2 RH SIDE STOPS 2 DOWNSTROKE							
Digital output	O.301	=A+A/340.03	14			BATTUTE AREA DX1 AREA DX1 STOPS	DISCESA BATTUTE FRONTALI DX 1 FILA 1							

1	2	3	4	5	6	7	8	
SIGLA CODE	DESCRIZIONE DESCRIPTION	FUNZIONE FUNCTION	GRUPPO UNIT	FGL.COL SHE.COL	CODICI CODES	QNT. QNTY.	DATI DATA	
A	+A-AL1A1	PC600 Modulo PCI di interfaccia Mechatrolink	CN NC	CONTROLLO NUMERICO NUMERICAL CONTROL	120.3	0110D600A0 PC600	1	
	+A-AL1A2	MONITOR 15"(E551) PER PC OPTIPLEX CRT ANTRACITE ITALIANO	MONITOR MONITOR	CONTROLLO NUMERICO NUMERICAL CONTROL	121.1	DIELL 2151A0042	1	
	+A-AL1A3	GR.OPTIPLEX GX60 SD CEL.2.0 1 SCHEDE DI RETE PER SOLUZIONE XP6XX	PC PC	CONTROLLO NUMERICO NUMERICAL CONTROL	121.5	6385A0161	1	
	+A-AL4A1	MODULO P801a TASTIERA 23TASTI+17LED	P801A	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES	135.1	HSD 0102D801A0 P801	1	CH 1-0 (00000)
B	+A-AL4 A2	SCHEDA 16+16R I/O REV.C	P260	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES	136.1	0102D260C P260	1	CH 1-1 (1)
	+A-AL4 A3	SCHEDA P261 REV.A ALIMENTAZIONE 12/24V	P261	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES	136.5	HSD CAMAR 0102D261A P261 HSD4750170	1	CH 1-2 (2)
	+E-AL4 A4	Modulo Integrato CE201a ad 8 Ingressi digitali	CE201A	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES	137.1	HSD 0109DE201A0 CE201	1	CH2-0 (00000)
	+E-AL4 A5	Modulo Integrato CE201a ad 8 Ingressi digitali	CE201A	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES	138.1	HSD 0109DE201A0 CE201	1	CH2-1 (00001)
C	+E-AL4 A6	Modulo Integrato CE201a ad 8 Ingressi digitali	CE201	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES	138.5	HSD 0109DE201A0 CE201	1	CH2-2 (00010)
	+E-AL4 A10	Modulo di pilotaggio elettrovalvole CE305a 16Out Ev	CE305A	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES	141.1	HSD 0109DE305A0 CE305	1	CH2-6 (00110)
	+E-AL4 A12	MODULO PM57 REV.B	PM57	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES	142.1	0103D057B PM57	1	CH 2-8 (8)
	+E-AL4 A14	MODULO PM57 REV.B	PM57	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES	143.1	0103D057B PM57	1	CH 2-10 (A)
D	+F-AL4 A18	Modulo Integrato CE201a ad 8 Ingressi digitali	P201A	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES	145.1	HSD 0109DE201A0 CE201	1	CH3-0 (00000)
	+F-AL4 A19	Modulo Integrato CE201a ad 8 Ingressi digitali	P201A	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES	146.1	HSD 0109DE201A0 CE201	1	CH3-1 (00001)
	+F-AL4 A24	MODULO PM57 REV.B	PM57	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES	149.1	0103D057B PM57	1	CH 3-6 (6)
	+F-AL4 A25	MODULO PM57 REV.B	PM57	MODULI INPUT-OUTPUT INPUT-OUTPUT MODULES	148.1	0103D057B PM57	1	CH 3-7 (7)
E	+A-AP1K3	TELER.3RT10 16-2BB42 1 NC	POTENZA MACCHINA MACHINE POWER	CIRCUITO D'EMERGENZA EMERGENCY CIRCUIT	.	SIEMENS CAMAR 2105A0166 3RT10162BB42 SIE5805606	1	
		VARISTORE 3ZT1916-1BB00 AC 24 fino 48V DC 24 fino 70V			.	SIEMENS CAMAR 2163A0015 3ZT19161BB00 SIE5880120	1	
	+A-AP1K1	MODULO 3TK2821-2CB30 ALIMENTAZIONE 24V AC/DC ALLACCIAMENTO CA	MARCIA AUSILIARI START AUX.	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT	160.3	SIEMENS CAMAR 2105A0182 3TK28212CB30 SIE5802360	1	
	+A-AP1K3	TELER.3RT10 16-2BB42 1 NC	POTENZA MACCHINA MACHINE POWER	CIRCUITO DI EMERGENZA EMERGENCY CIRCUIT	161.3	SIEMENS CAMAR 2105A0166 3RT10162BB42 SIE5805606	1	
F		VARISTORE 3ZT1916-1BB00 AC 24 fino 48V DC 24 fino 70V			.	SIEMENS CAMAR 2163A0015 3ZT19161BB00 SIE5880120	1	

Lista componenti (funzione)_v01



CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOLGIO
SHEET DESCRIPTION
Lista materiali: (+A-AL1A1 - +A-AP1K3)


ROVER B 2.30

REL SCHEMA DIAGRAM 010.010 MATRICOLA SERIAL NUMBER 39076

Gr.Fun.
Foglio 30000
30001 F.S.

1	2	3	4	5	6	7	8
SIGLA CODE	DESCRIZIONE DESCRIPTION	FUNZIONE FUNCTION	GRUPPO UNIT	FGL.COL SHE.COL	CODICI CODES	QNT. QNTY.	DATI DATA
A	+A-AR1K1 TELER.3RT10 16-2BB42 1 NC	ATTREZZAGGIO TOOLING	ATTREZZAGGIO TOOLING	170.2	SIEMENS 2105A0166 3RT10162BB42	CAMAR SIE5805606	1
	VARISTORE 3ZT1916-1BB00 AC 24 fino 48V DC 24 fino 70V				SIEMENS 2163A0015 3ZT19161BB00	CAMAR SIE5880120	1
	+A-AR1K2 TELER.3RT10 16-2BB42 1 NC	DISABILITAZIONE ROTAZIONE UTENSILI TOOL ROTATION DISABLING	ATTREZZAGGIO TOOLING	170.4	SIEMENS 2105A0166 3RT10162BB42	CAMAR SIE5805606	1
	VARISTORE 3ZT1916-1BB00 AC 24 fino 48V DC 24 fino 70V				SIEMENS 2163A0015 3ZT19161BB00	CAMAR SIE5880120	1
B	+A-AS1K1 VARISTORE 3ZT1926-1BB00 AC 24 fino 48V DC 24 fino 70V	INVERTER 1 INVERTER 1	ALIMENTAZIONE INVERTER 1 INVERTER 1 POWER SUPPLY	200.7	SIEMENS 2163A0017 3ZT19261BB00	CAMAR SIE5880103	1
	CONT.AUX.1NC 3RH1921-2CA01				SIEMENS 2123A0013 3RH19212CA01	CAMAR SIE5865362	1
	TELER.3RT10 26-3BB40				SIEMENS 2105A0176 3RT10263BB40	CAMAR SIE5805618	1
	+A-AS1K2 RELE' A CONTATTI FORZATI OMRON	INVERTER FERMO INVERTER IDLE	ALIMENTAZIONE INVERTER 1 INVERTER 1 POWER SUPPLY	201.4	OMRON 2105A0200 G7SA-2A2B		1
C	ZOCOLO PER RELE' CONTATTI FORZATI				OMRON 2109A0008 P7SA-10F-ND		1
	Diodo 1N4007 1000 V					CAMAR EEE4103010	1
	+A-AU1K1 VARISTORE 3ZT1926-1BB00 AC 24 fino 48V DC 24 fino 70V	ABILITAZIONE ENABLE	ALIMENTAZIONE AZIONAMENTI DRIVES POWER SUPPLY	230.7	SIEMENS 2163A0017 3ZT19261BB00	CAMAR SIE5880103	1
	CONT.AUX.1NC 3RH1921-2CA01				SIEMENS 2123A0013 3RH19212CA01	CAMAR SIE5865362	1
D	TELER.3RT10 26-3BB40				SIEMENS 2105A0176 3RT10263BB40	CAMAR SIE5805618	1
	+A-CA1K1 TELER.3RT10 16-2BB42 1 NC	ABILITAZIONE ENABLE	GRUPPO DI FORATURA BORING UNIT	450.7	SIEMENS 2105A0166 3RT10162BB42	CAMAR SIE5805606	1
	VARISTORE 3ZT1916-1BB00 AC 24 fino 48V DC 24 fino 70V				SIEMENS 2163A0015 3ZT19161BB00	CAMAR SIE5880120	1
	+A-SA1K1 TELERUTTORE 3RT10 25-3BB40 24VDC	ABILITAZIONE SLOT 1 SLOT 1 ENABLE	SLOT 1 SLOT 1	700.7	SIEMENS 2105A0048 3RT10253BB40	CAMAR SIE5805614	1
E	VARISTORE 3ZT1926-1BB00 AC 24 fino 48V DC 24 fino 70V				SIEMENS 2163A0017 3ZT19261BB00	CAMAR SIE5880103	1
	CONT.AUX.1NC 3RH1921-2CA01				SIEMENS 2123A0013 3RH19212CA01	CAMAR SIE5865362	1
	-SA1K3 BLOCCO MECCANICO 24V		SLOT 1 SLOT 1	700.3			1
					2123A0091		

Lista componenti (funzione)_v01

REVISIONE	ELABORAZ.	27/04/2004	rsilvestrini	 BIESSE CLIENTE BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE	DESCRIZIONE FOGLIO SHEET DESCRIPTION Lista materiali: (+A-AR1K1 - -SA1K3)	ROVER B 2.30		= A	Gr.Fun.	
CREAZIONE	27/04/2004	rsilvestrini			REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 30001
REV.	MODIFICA	DATA	DISEGNATORE		VER. E APPR.					30002 F.S.

1	2	3	4	5	6	7	8		
SIGLA CODE	DESCRIZIONE DESCRIPTION	FUNZIONE FUNCTION	GRUPPO UNIT	FGL.COL SHE.COL	CODICI CODES	QNT. QNTY.	DATI DATA		
A	+A-UZ1K1	RELE' A 4 CONTATTI OMRON	FRENO BRAKE	ASSE Z Z-AXIS	881.7	OMRON 210507200 MY4 24DC	CAMAR OMR5705032	1	
		DIODO 1N4007 1000 V			.	2144A0006	CAMAR EEE4103010	1	
		ZOCOLO X RELE' FINDER 4C			.	2109A0001 9474	CAMAR FIN5719074	1	
B	+A-VB1K1	TELER.3RT10 16-2BB41	MARCIA START	POMPA DEL VUOTO 1 VACUUM PUMP 1	901.2	SIEMENS 2105A0034 3RT10162BB41	CAMAR SIE5805604	1	
		VARISTORE 3ZT1916-1BB00 AC 24 fino 48V DC 24 fino 70V			.	2163A0015 3ZT19161BB00	CAMAR SIE5880120	1	
	+A-VB2K1		POMPA DEL VUOTO 2 VACUUM PUMP 2	POMPA DEL VUOTO 2 VACUUM PUMP 2	.				
C	+A-WD1K1			TAPPETI DI SICUREZZA CONTACT MATS	.				
	+A-WD1K2			TAPPETI DI SICUREZZA CONTACT MATS	.				
	+A-WD1K3			TAPPETI DI SICUREZZA CONTACT MATS	.				
D	+A-AA1Q1	ALBERO DA 330MM OXS5X330 LUNGHEZZA 330mm	PROT.GENERALE MAIN PROT.	ALIMENTAZIONE GENERALE MAIN POWER SUPPLY	50.3	ABB SACE 2102A0177 EO0706	CAMAR ABB0516010	1	In 63A (AC-23,415
		MANIGLIA BLOCCOPORTA OHB2AJ IP65 NERA LUCCHETTABILE			.	2102A0178 EO0102	CAMAR ABB0516012	1	
		CALOTTA PROTEZ.TERMINALI			.	2102A0181 EO0631	CAMAR ABB0515010	1	
		SEZIONATORE ABB 3P 63A			.	2102A0174 OT45E3	CAMAR ABB0510060	1	
E	+A-AA1Q2	INT.AUT.20-25 A		ALIMENTAZIONE GENERALE MAIN POWER SUPPLY	53.4	SIEMENS 2101A0054 3RV10214DA10	CAMAR SIE6005415	1	In 20-25A Ir 22A
		CONTATTO AUSILIARIO			.	2123A0003 3RV19011D	CAMAR SIE6050102	1	
	+A-AA1Q3	INT.AUT.4,5-6,3 A	PROTEZIONE PROTECTION	ALIMENTAZIONE GENERALE MAIN POWER SUPPLY	54.3	SIEMENS 2101A0047 3RV10211GA10	CAMAR SIE6005380	1	In 4,5-6,3A Ir=4,5 A
F	+A-AG1Q2	CONTATTO AUSIL. 5ST3010	INPUT 24Vdc INPUT 24Vdc	LINEA 24Vdc 24Vdc LINE	91.2	SIEMENS 2123A0096 5ST3010	CAMAR SIE6130100	1	In 2 A
		INTER.AUTOMAT.5SY6102-7			.	2101A0205 5SY61027	CAMAR SIE6141027	1	
	+A-AG1Q4	INTER.AUTOMAT.5SY6115-7	EMERGENZA EMERGENCY	LINEA 24Vdc 24Vdc LINE	91.4	SIEMENS 2101A0204 5SY61157	CAMAR SIE6141157	1	In 1,6 A
F	+A-AG1Q5	INTER.AUTOMAT.5SY6110-7	OUTPUT 24Vdc OUTPUT 24Vdc	LINEA 24Vdc 24Vdc LINE	92.2	SIEMENS 2101A0210 5SY61107	CAMAR SIE6141107	1	In 10 A
		CONTATTO AUSIL. 5ST3010			.	2123A0096 5ST3010	CAMAR SIE6130100	1	

Lista componenti (funzione)_v01

REVISIONE	ELABORAZ.	27/04/2004	rsilvestrini		DESCRIZIONE FOLGIO SHEET DESCRIPTION Lista materiali: (+A-UZ1K1 - +A-AG1Q5)	ROVER B 2.30			= A	Gr.Fun.
CREAZIONE	27/04/2004	rsilvestrini	CLIENTE			REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.	CLIENT	BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE				30003 F.S.

1	2	3	4	5	6	7	8
SIGLA CODE	DESCRIZIONE DESCRIPTION	FUNZIONE FUNCTION	GRUPPO UNIT	FGL.COL SHE.COL	CODICI CODES	QNT. QNTY.	DATI DATA
A	+A-AG1Q6	CONTATTO AUSIL. 5ST3010	UNITA' OPERATRICE OPERATING SECTION	LINEA 24Vdc 24Vdc LINE	92.6	SIEMENS CAMAR	1 In 4 A
		INTER.AUTOMAT.5SY6104-7				SIEMENS CAMAR	1
	+A-AG1Q9	INTER.AUTOMAT.5SY6104-7	BORDO MACCHINA MACHINE-SIDE	LINEA 24Vdc 24Vdc LINE	92.7	SIEMENS CAMAR	1 In 4 A
		CONTATTO AUSIL. 5ST3010				SIEMENS CAMAR	1
B	+A-AG1Q14	CONTATTO AUSIL. 5ST3010	INPUT 24Vdc INPUT 24Vdc	LINEA 24Vdc 24Vdc LINE	93.2	SIEMENS CAMAR	1 In 2 A
		INTER.AUTOMAT.5SY6102-7				SIEMENS CAMAR	1
	+A-AJ1Q1	INT. MAGNETOTERMICO DIFFERENZIALE 30mA	PROTEZIONE PROTECTION	LINEA 220Vac 220Vac LINE	100.2	SIEMENS 5SU1353-1KV06	1 6A
	+A-VB1Q1	CONTATTO AUSILIARIO	PROTEZIONE PROTECTION	POMPA DEL VUOTO 1 VACUUM PUMP 1	900.2	SIEMENS CAMAR	1 In 5,5-8A
C		INT.AUT.5,5-8 A 3RV10 21-1HA10				SIEMENS CAMAR	1 Ir 7Ir 7
	+A-VB2Q1		PROTEZIONE PROTECTION	POMPA DEL VUOTO 2 VACUUM PUMP 2			
	+A-AS1R1	GRIGLIA PROT.RESIS.UNIDR.	FRENATURA BRAKING	ALIMENTAZIONE INVERTER 1 INVERTER 1 POWER SUPPLY	165.3		1 25Ω 1300W
		DISSIPATORE X RESIS.1300W					1
D		RESISTENZA 25 ohm 1300 W RFXT/S TERMOSTATO TIPO A3K 425°C A RIPRISTINO				FAIRFIELD RFXT/S	1
	+A-UX1R1	Resistenza 75 ohm 1300W con cassa in acciaio inox + termostato 425°C	FRENATURA BRAKING	ASSE X X-AXIS	165.3	FAIRFIELD RFXT/S 1300	1 75 Ω 1300W
		GRIGLIA PROT.RESIS.UNIDR.					1
	+A-AA1T1	TRASFORMAT.MONOFASE 1600VA Primario: 200-230-400-460-600V+-20V	AUSILIARI AUXILIARES	ALIMENTAZIONE GENERALE MAIN POWER SUPPLY	54.2	CE S.p.a. CAMAR	1 An=1600VA
E	+A-AS1U1	INVERTER COMMANDER SE 11 kW	INVERTER INVERTER	ALIMENTAZIONE INVERTER 1 INVERTER 1 POWER SUPPLY	200.2	CONTROL TECHNIQUES COMMANDER SE43401100	1 Pn 11kW
	+E-CN1U1	SMART MOTOR SM137 REV.B	REVOLVER	MAGAZZINO UTENSILE CR CR TOOL MAGAZINE	520.2	HSD SM137	1 SM137 CH 2-16 (10000)
F							

Lista componenti (funzione)_v01

BIESSE

CLIENTE
CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOGLIO
SHEET DESCRIPTION
Lista materiali: (+A-AG1Q6 - +E-CN1U1)

ROVER B 2.30

REL SCHEMA DIAGRAM 010.010 MATRICOLA SERIAL NUMBER 39076

= A Gr.Fun.
+ Foglio 30003
30004 F.S.

1	2	3	4	5	6	7	8
SIGLA CODE	DESCRIZIONE DESCRIPTION	FUNZIONE FUNCTION	GRUPPO UNIT	FGL.COL SHE.COL	CODICI CODES	QNT. QNTY.	DATI DATA
A	+A-UX1U1	SCHEDA JASP-NS100 MODULO DIGITALE (OPZIONALE) PER AZIONAME	AZIONAMENTO DRIVE	ASSE X X-AXIS	860 .6	YASKAWA ELEC CAMAR 2153A0135 JUSPNS100 YAS4820100	1 Pn 1,5 kW
		GR. CONNETT. 1CN UNIV. PER AZIONAMENTI SGDH				CAMAR CAM0610153	1
		CAVO USB TIPO "A" mt 3 MASCHIO/MASCHIO				CAMAR EEE4540003	1
		AZ.SGDH-15DE-Y12 YASKAWA SIGMA 2 ANALOGICO TRIFASE 400V 5				YASKAWA ELEC CAMAR 2159A0078 SGDH15DEY12 YAS4810015	1
B	+A-UY1U1	SCHEDA JASP-NS100 MODULO DIGITALE (OPZIONALE) PER AZIONAME	AZIONAMENTO DRIVE	ASSE Y Y-AXIS	870 .2	YASKAWA ELEC CAMAR 2153A0135 JUSPNS100 YAS4820100	1 Pn 1 kW
		CAVO USB TIPO "A" mt 1 MASCHIO/MASCHIO				CAMAR EEE4540001	1
		GR. CONNETT. 1CN UNIV. PER AZIONAMENTI SGDH				CAMAR CAM0610153	1
		AZ.SGDH-10DE YASKAWA SIGMA 2 ANALOGICO TRIFASE 400V 5				YASKAWA ELEC CAMAR 2159A0082 SGDH10DE YAS4810010	1
C	+A-UZ1U1	SCHEDA JASP-NS100 MODULO DIGITALE (OPZIONALE) PER AZIONAME	AZIONAMENTO DRIVE	ASSE Z Z-AXIS	880 .2	YASKAWA ELEC CAMAR 2153A0135 JUSPNS100 YAS4820100	1 Pn 1 kW
		CAVO USB TIPO "A" mt 1 MASCHIO/MASCHIO				CAMAR EEE4540001	1
		GR. CONNETT. 1CN UNIV. PER AZIONAMENTI SGDH				CAMAR CAM0610153	1
		AZ.SGDH-10DE YASKAWA SIGMA 2 ANALOGICO TRIFASE 400V 5				YASKAWA ELEC CAMAR 2159A0082 SGDH10DE YAS4810010	1
D	+A-AJ1Z1	FILTRO 0.1mF+100OHM 250VAC TIPO PICCOLO		LINEA 220Vac 220Vac LINE	100 .7	ACTRONIC CAMAR 2163A0001 ARC02A010 EEE4006201	1
	-AS1Z1	TOROIDE IN FERRITE Øe=60,1 Øi=39,2 h=18,8	INVERTER INVERTER	ALIMENTAZIONE INVERTER 1 INVERTER 1 POWER SUPPLY	200 .2	CAMAR 2120A0053	1 N°2
	+F-VB1Z1	FILTRO X MOTORI RC ARK CAVETTO 50CM. REV.1		POMPA DEL VUOTO 1 VACUUM PUMP 1	900 .1	ACTRONIC CAMAR 2163A0046 EEE4307030	1 0,22 µf + 22 Ohm
E							
F							

Lista componenti (funzione)_v01

REVISIONE	ELABORAZ.	27/04/2004	rsilvestrini	
CREAZIONE	MODIFICA	27/04/2004	rsilvestrini	
REV.	MODIFICA	DATA	DISEGNATORE	VER. E APPR.

BIESSE
 CLIENTE CLIENT BIESSE GROUP RUSSIA - REPRESENTATIVE OFFICE

DESCRIZIONE FOGLIO SHEET DESCRIPTION
 Lista materiali: (+A-UX1U1 - +F-VB1Z1)

ROVER B 2.30				= A	Gr.Fun.
REL	SCHEMA DIAGRAM	010.010	MATRICOLA SERIAL NUMBER	39076	Foglio 30004
				F.S.	