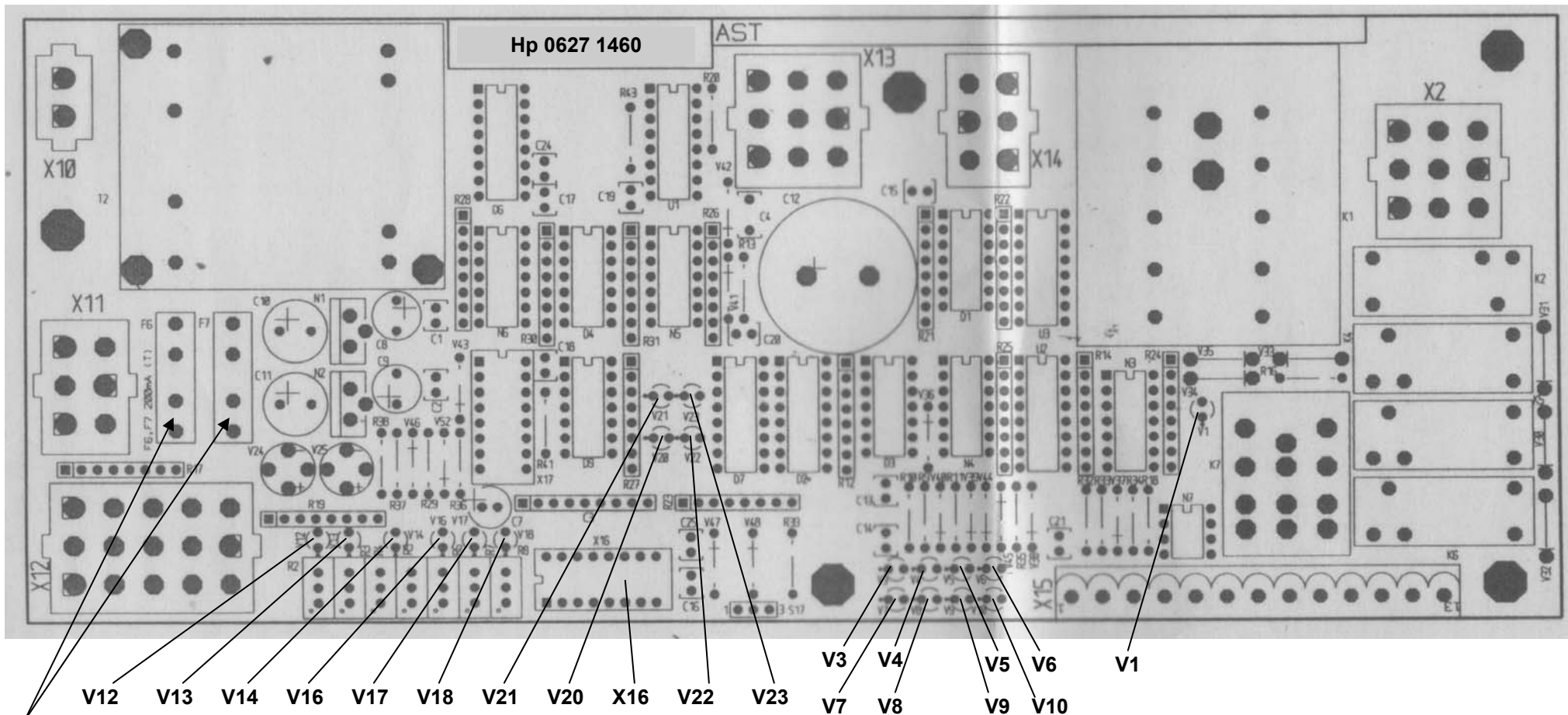


Elevator-2 Relay PWB LED Chart

	V1	V3	V4	V5	V6	V7	V8	V9	V10	V12	V13	V14	V16	V17	V18	V20	V21	V22	V23	H1	H2
Bucky Interlock Switch Pressed	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Table Down Interlock Switches Closed	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Upper Position Stopped	0	1	1	1	0	0	0	1	1	1	0	0	0	1	0	0	0	1	0	1	0
Loading Position - Middle Stopped	0	1	1	1	0	0	0	1	1	0	1	1	0	1	0	0	0	1	0	1	0
Lower Position Stopped	0	1	1	1	0	0	0	1	1	0	1	0	1	1	0	0	0	1	0	1	0
Table Up Motion	1	1	1	1	1	1	0	1	1	2	2	2	2	2	2	1	0	2	1	0	1
Table Down Motion	1	1	1	1	1	0	1	1	1	2	2	2	2	2	2	0	1	2	1	0	1
Table Up Footswitch Pressed	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Table Down Footswitch Pressed	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LED ON = 1																					
LED OFF = 0																					
LED turns OFF/ON During Motion = 2																					

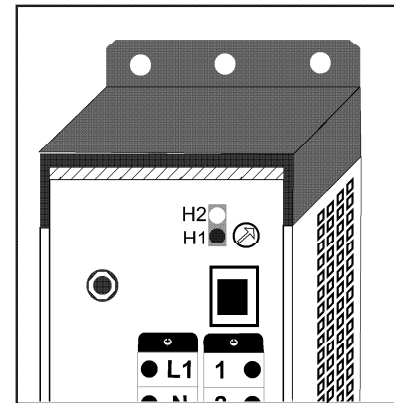


3 Operation and fault diagnostics

3.1 Operation indicators

H2 green	H1 red	Meaning
○	○	Power off, no function
○	☀	Power is switched on, after approximately 0.5 s Selftest, inverter ready
☀	○	Inverter has been started
☀	☀	Overload protection active
○	☀	Fault-clearing, H1 flashing rhythm, see 3.2.1 Error Messages with equipment response

Location of LEDs:

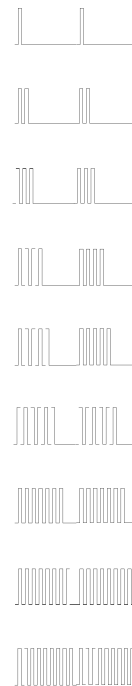


3.2 Error messages

3.2.1 Error messages with device response

H1 flashes	Error	Status/cause	Remedy/comment
Once	E-CPU	Error in processor	Switch off at mains and switch back on (reset)
Twice	E-OFF	Mains switched off or undervoltage	flashes until UZK <150 V (VF12xxS) < 300 V (VF14xxS)
3 times	E-OC	Overcurrent switch-off short circuit	Check drive/motor cable
4 times	E-OV	Overcurrent, motor – regenerative	Check mains/drive
5 times	E-OLM	Motor overloaded, I * t switch-off	Check drive/motor/ventilation
6 times	E-OLI	Inverter overloaded, I * t switch-off	Check drive/ventilation
7 times	E-OTM	Motor temperature too high	Only possible with thermistor option
8 times	E-OTI	Inverter temperature too high	Inverter overloaded, check mounting conditions
9 times	E-EEP	Error in EE-PROM	Switch off mains and switch back on (reset)

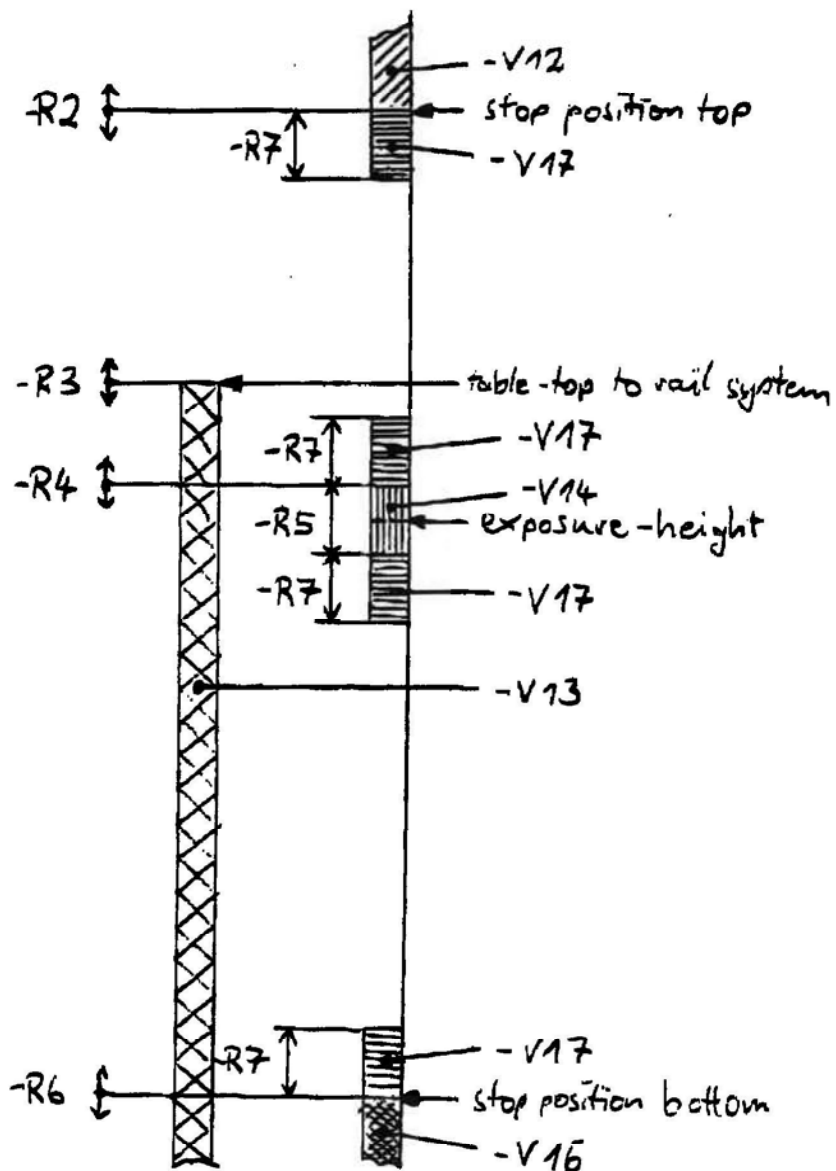
Flashing rhythm

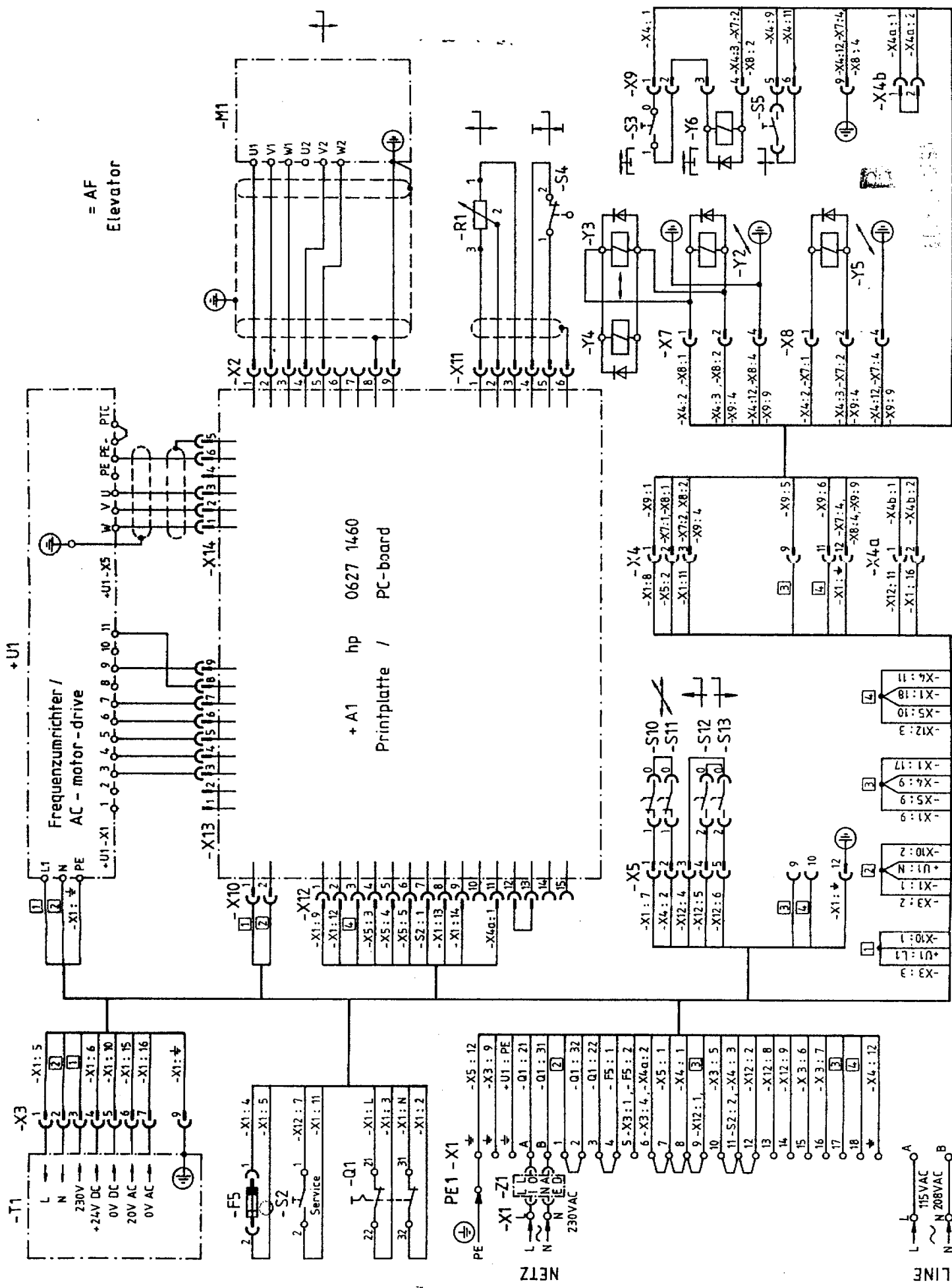


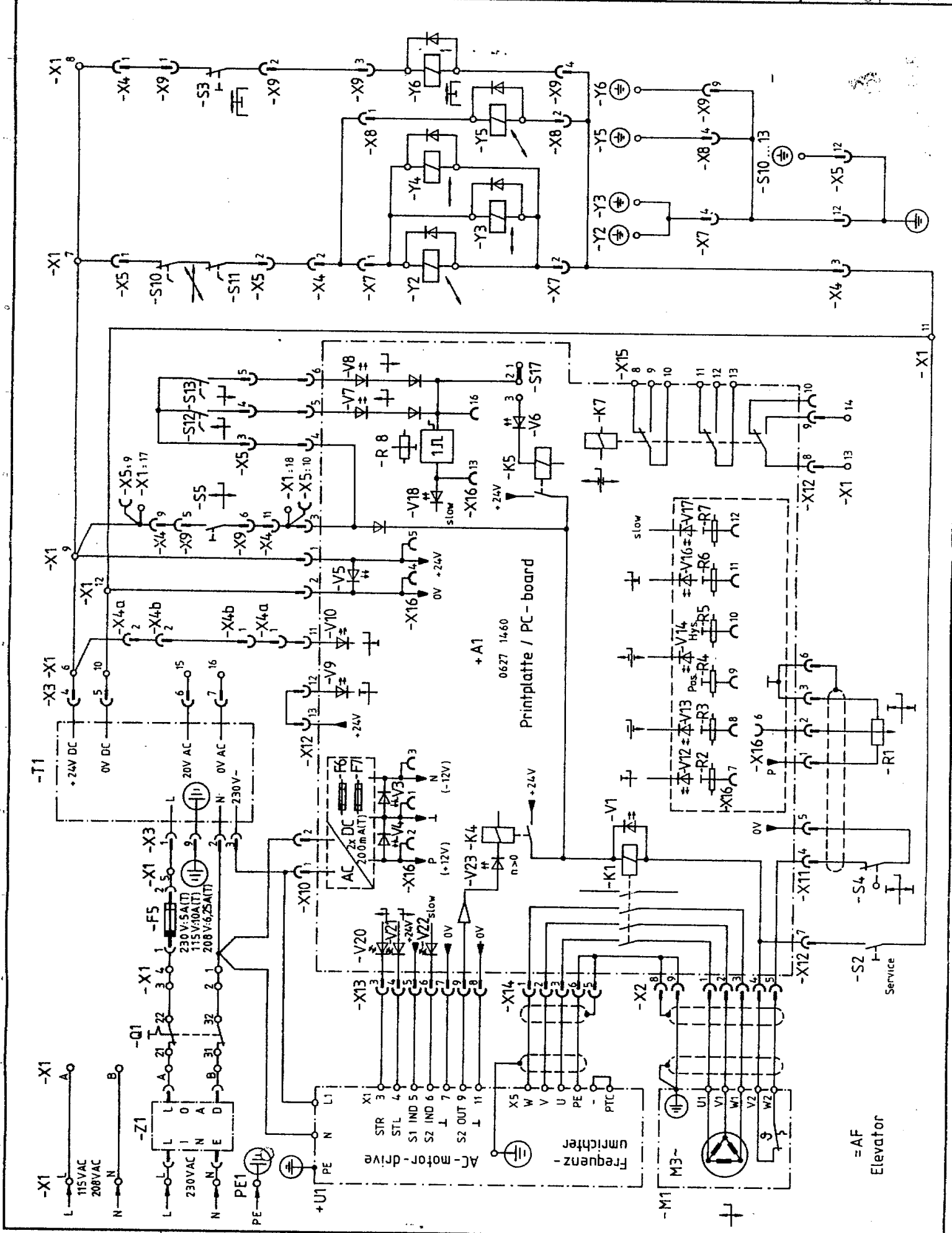
Acknowledge error by pressing the stop/return key for 3 sec. min.

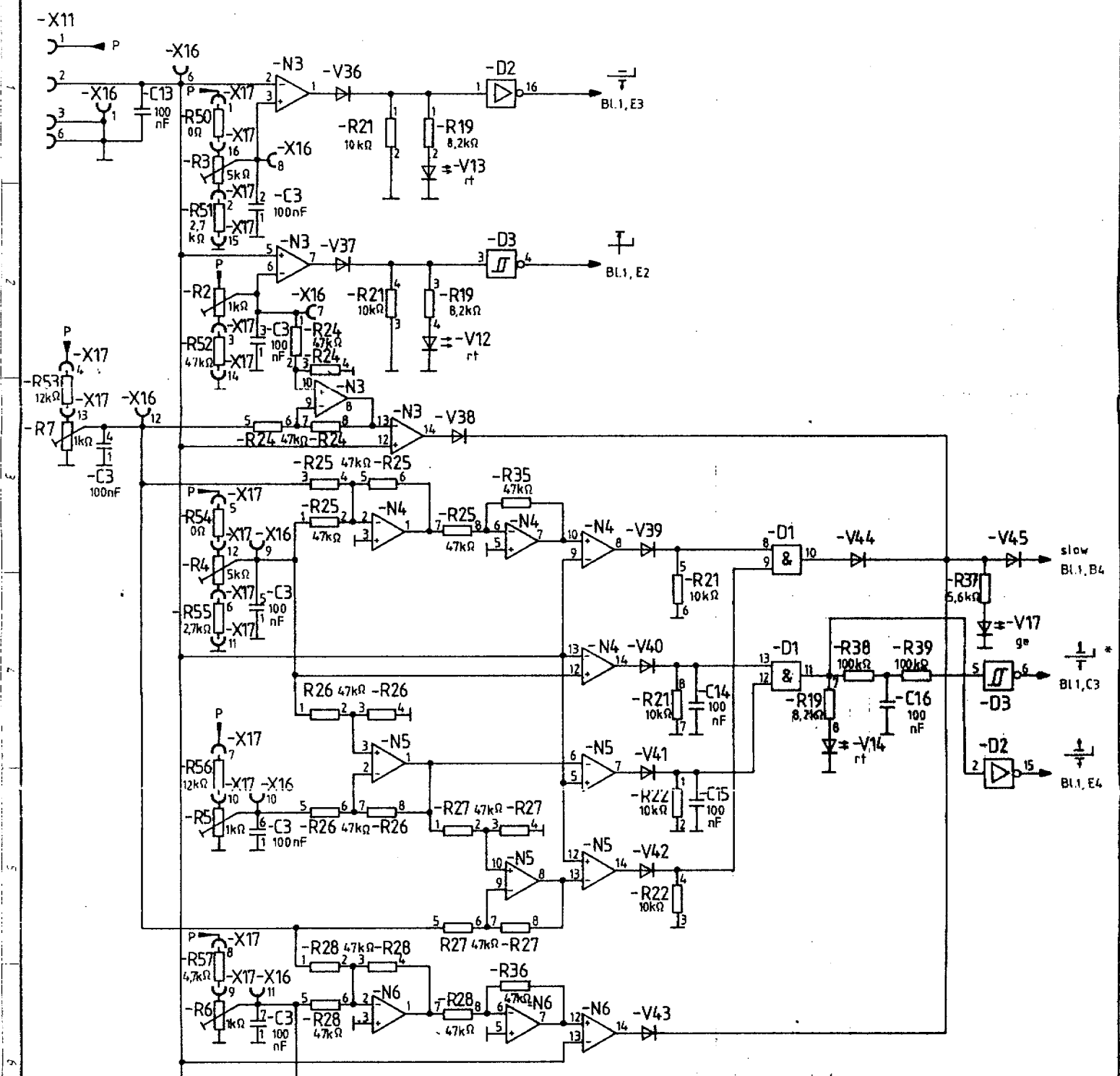
Adjustments on elevator-board 0627.1460

function	trimmer	measure point	approx. value	LED
stop-position top	-R2	-X16:7	11 V	-V12
stop-position bottom	-R6	-X16:11	1,65 V	-V16
exp.-height position	-R4	-X16:9	8,6 V	-V14
exp.-height hysteresis	-R5	-X16:10	0,18 V	-V14
slow speed range	-R7	-X16:12	0,55 V	-V17
slow speed time	-R8	-X16:13	0,5 sec.	-V18
table-top to rail system (old combi-elevator)	-R3	-X16:8	9 V	-V13



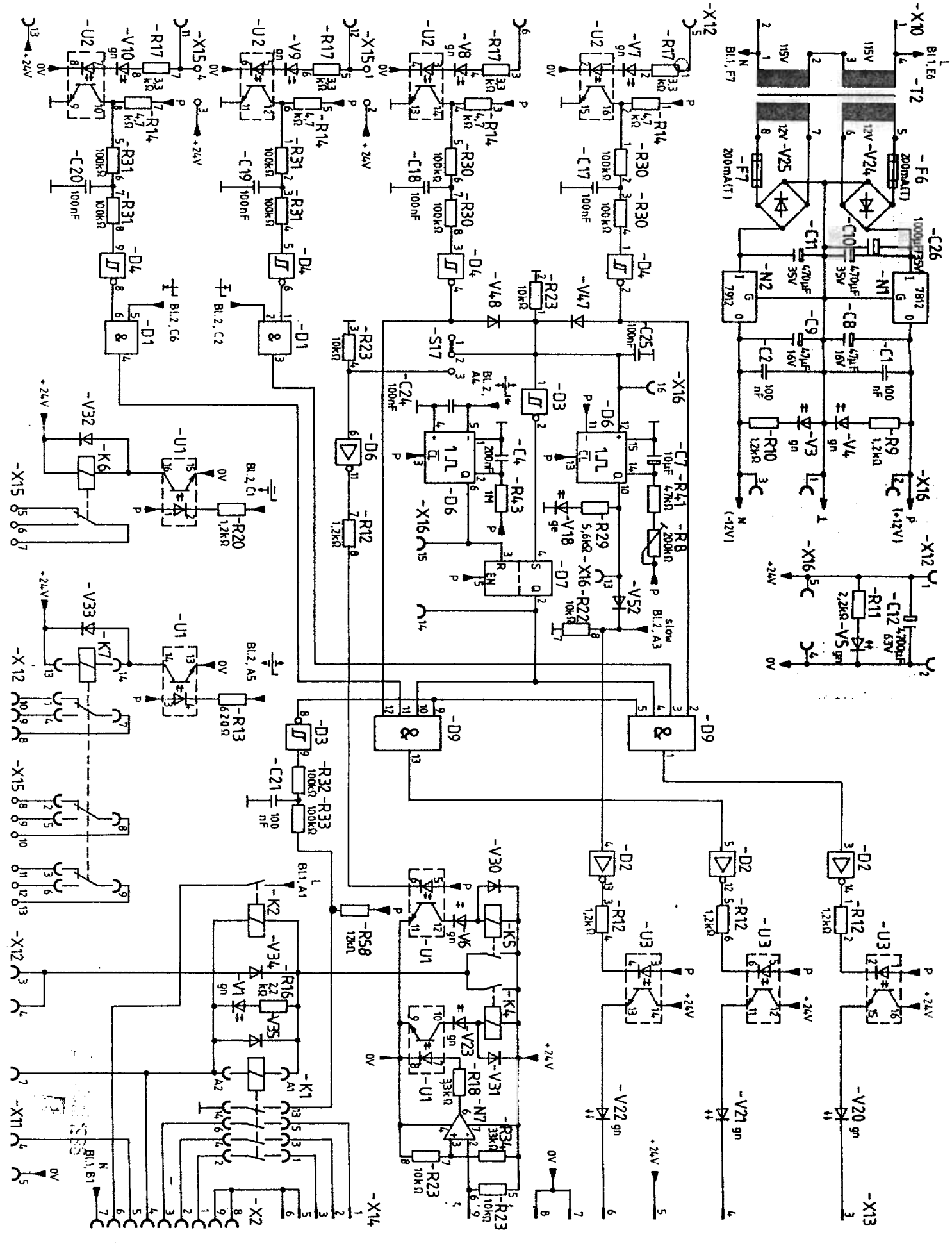






	Typ :	P	I	N
-D1	40 81	14	7	
-D2	ULN 2004	9	8	
-D3	40 106	11, 14	7	
-D4	40 106	11, 13, 14	7	
-D6	45 38	16	8	
-D7	40 43	6, 7, 11, 12, 14, 15, 16	8	
-D9	40 82	14	7	
-N3	TL 074	4		11
-N4	TL 074	4		11
-N5	TL 074	4		11
-N6	TL 074	4		11
-N7	CA 741			

	Typ :
-V24, -V25	B40 C 1000
-V30, -V35	JN 4007
-V36, -V48, -V52	1N 4148



Mitgl.-Nr.	○	HANS PAUSCH Röntengerätebau Erlangen	Datum	Name	Bezeichnung	Nr.	Blatt
① 27.06.95	○		Gezeichnet	15.11.94	Hab.	Stromlaufplan Steuerplatte	0627 7434
② 22.12.95	○		Geprüft	18.11.94	T.	Ers. für:	Ers. durch
③ 20.06.96	○						Blätter
							2

Technical Bulletin No.

TB-0627-1001

Subject

Downward travel interrupt cable stabilization

Release Date

21.01.2004

Models

Elevator w/downward interrupt installed, Elevator-2, Combi Elevator

Content

Instructions on the stabilization of the downward travel interrupt cable.

Procedure

- 1 Additional wire mounting (Fig. 1)
- 2 Remove gray tape (Item 1, Fig. 2)
- 3 Install wire mount as shown (Item 2, Fig.3)
- 4 Test lateral table top travel and cable movement.

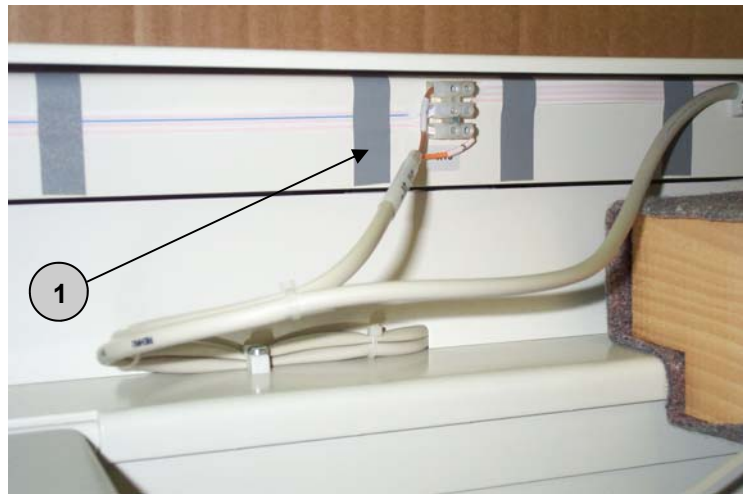


Fig. 2



Fig. 1

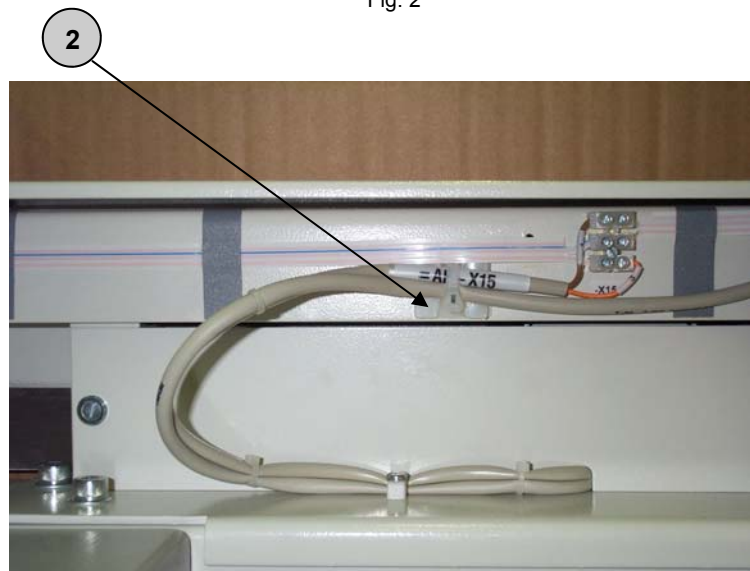


Fig. 3