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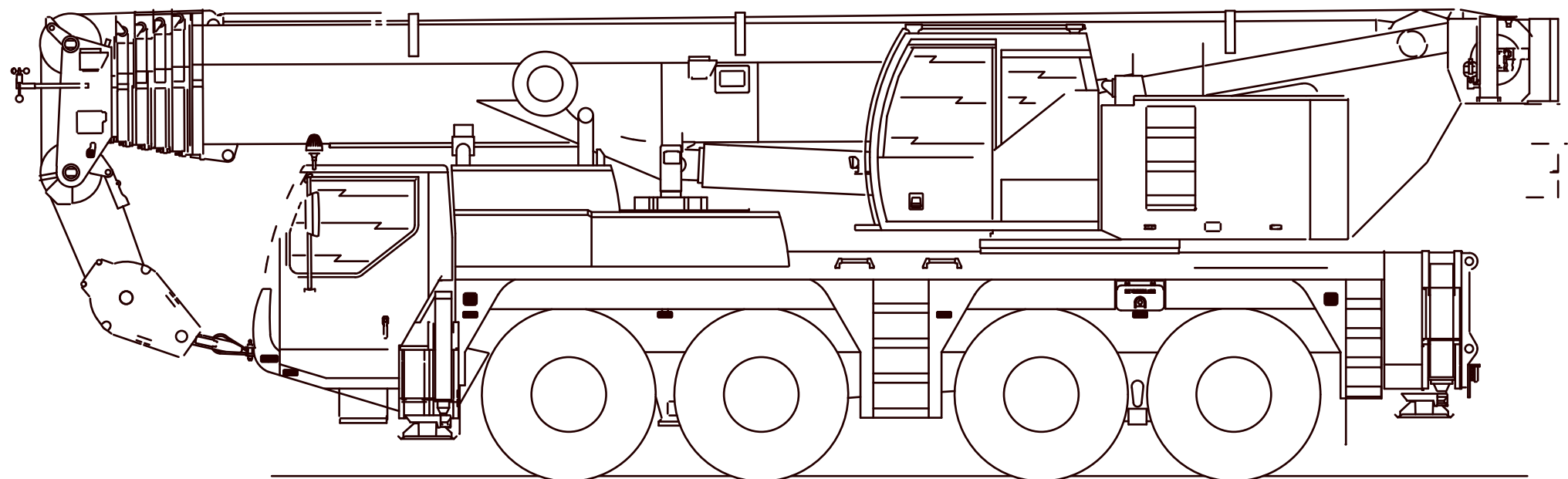
# LTM 1090-4.1

(LTM 1080/2)

# LTM 1100-4.1

(LTM 1090/3)

LIEBHERR-ENGINE  
D 846 TI A5  
ZF-TRANSMISSION  
12 AS 2302  
WITH INTARDER



3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	CIRCUIT DIAGRAM  ELECTR. SYSTEM VEHICLE	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
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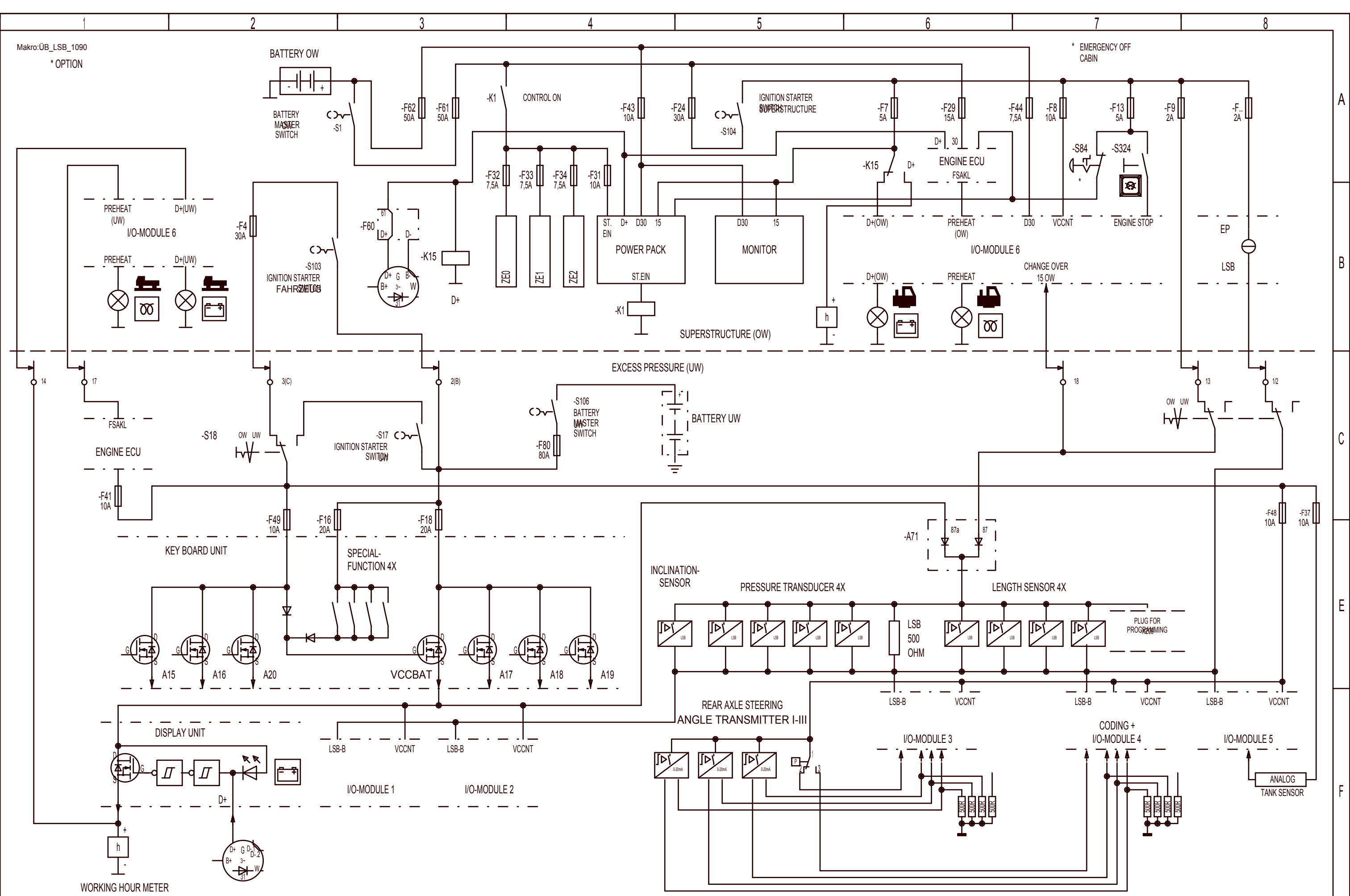
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REGISTER OF SHEETS				SHEET	REGISTER OF SHEETS				SHEET
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4 CHANNEL ABV				36	FUSES DRIVER'S CAB				39
4 CHANNEL ABV				112	FUSES DRIVER'S CAB				40
4 CHANNEL ABV				113	FUSES DRIVER'S CAB				41
* AIR CONDITIONING				111	GENERAL OUTLAY INSTALLATION DRIVER'S CAB				7
EQUIPMENT SYSTEM TRAILER				115	GENERAL OUTLAY INSTALLATION DRIVER'S CAB				8
* AUXILIARY HEATING PRESETTING DIAL				101	GENERAL OUTLAY INSTALLATION DRIVER'S CAB				9
* BACK UP CAMERA				129	GENERAL OUTLAY LIGHTING				6
* CHARGING SET				125	GENERAL OUTLAY LSB				5
* COMPLEMENTARY HEATING				102	GENERAL OUTLAY LSB/CAN				4
* COMPLEMENTARY HEATING AIRTOP 2000				109	HEATING				100
* COMPLEMENTARY HEATING AIRTOP 5000				110	I/O-MODULE 1				21
* COMPLEMENTARY HEATING DBW 2020				106	I/O-MODULE 1 DISPOSITION				13
* COMPLEMENTARY HEATING DBW 2020				107	I/O-MODULE 2				22
* COMPLEMENTARY HEATING DBW 2020				108	I/O-MODULE 2 DISPOSITION				14
* COMPLEMENTARY HEATING THERMO 90 S / ST				105	I/O-MODULE 3				23
* COMPLEMENTARY HEATING THERMO 90S				103	I/O-MODULE 3 DISPOSITION				15
* COMPLEMENTARY HEATING THERMO 90ST				104	I/O-MODULE 4				24
* DOLLY				124	I/O-MODULE 4 DISPOSITION				16
* EDDY CURRENT BRAKE				62	I/O-MODULE 5				25
* EXTERNAL FEEDING 24V				126	I/O-MODULE 5 DISPOSITION				17
* EXTERNAL FEEDING 110V				131	I/O-MODULE VOLTAGE SUPPLY				44
* EXTERNAL FEEDING 230V				130	I/O-MODULE VOLTAGE SUPPLY				45
* FUEL CONDENSATION REMOVAL				123	IGNATION SWITCH				38
* HEADLIGHT WASHER				117	INCLINATION SENSOR				119
* LIGHTING				87	INTARDER DIAGNOSIS , INTARDER VALVES ,				70
* LIGHTING DRIVER'S CAB				89	INTARDER ECU EST 42				35
* NAVIGATION UNIT BASIC VERSION ,				128	INTARDER ECU VOLTAGE SUPPLY ,				69
* NAVIGATION UNIT OVERVIEW PLAN				127	KEY BOARD UNIT DISPOSITION				18
* OUTRIGGER - LENGTH SENSOR				120	KEY BOARD UNIT DISPOSITION				19
* RADIO , * RADIO , * SOCKET 12V				99	KEY BOARD UNIT DRIVER'S CAB				26
* RECORDER UNIT				122	KEY BOARD UNIT DRIVER'S CAB				27
* RECOVERY WINCH ,				121	KEY OF SYMBOLS				142
* SEAT HEATING				116	LIGHTING				84
* SOCKET ON TRAILER 12V				94	LIGHTING				86
* SOCKET ON TRAILER 24V				93	LIGHTING				90
* SUPPORTING FORCE INDICATOR				118	LIGHTING				91
AIR PRESSURE RESERVE , BRAKE PRESSURE				72	LIGHTING				92
BATTERIES ,				37	LIGHTING DRIVER'S CAB ,				88
CIRCUIT DIAGRAM				1	LIGHTING OUTRIGGER				95
CLUTCH ACTUATOR ,				67	MASS DISTRIBUTION				42
DESCRIPTION OF SYMBOLS				140	OIL SUPPLY SUSPENSION / OUTRIGGERS				83
DESCRIPTION OF SYMBOLS				141	OPERATING EQUIPMENT				143
DIFFERENTIAL LOCKS				74	OPERATING EQUIPMENT				144
DISPLAY UNIT DISPOSITION				20	OPERATING EQUIPMENT				145
DISPLAY UNIT DRIVER'S CAB				28	OPERATING EQUIPMENT				146
DISPLAY UNIT DRIVER'S CAB				29	OPERATING EQUIPMENT				147
DISPLAY UNIT VOLTAGE SUPPLY ,				43	OPERATING EQUIPMENT				148
ENGINE ACCELERATOR				54	OPERATING EQUIPMENT				149
ENGINE BRAKE ,				61	OPERATING EQUIPMENT				150
ENGINE ECU				33	OPERATING EQUIPMENT				151
ENGINE EDC CONTROL UNIT				55	OPERATING EQUIPMENT				152
ENGINE ELECTRONICS SUPPLY ,				53	OPERATING EQUIPMENT				153
ENGINE FLAME GLOW PLUG ,				60	OUTLINE OF DEVICE				133
ENGINE FUEL PREHEATING ,				59	OUTLINE OF DEVICE				134
ENGINE JIB MOTION SENSOR ,				58	OUTLINE OF DEVICE ,				132
ENGINE OIL PRESSURE , ENGINE OIL TEMPERATURE ,				57	OUTLINE OF DEVICE MASS GROUPING BLOCK				135
ENGINE REVOLUTION DETECTION , ENGINE CHARGE ,				56	OUTLINE OF DEVICE MASS GROUPING BLOCK				136
FUSE GROUPING				10	OUTRIGGERS LEFT				81
FUSE GROUPING				11	OUTRIGGERS RIGHT				82
FUSE GROUPING				12	PLUG GROUPING				137

3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	REGISTER OF SHEETS	Ident-Nr.	984583708	=	U	
2				Ausgabe	03.02.06	lwerof0			EHINGEN	Zeich-Nr.	3272-920.06.01.000-002	+	H
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REGISTER OF SHEETS -----				SHEET ----	REGISTER OF SHEETS -----				SHEET ----
PLUG GROUPING				138					A
PLUG GROUPING				139					
POWER TRAIN FUNCTIONAL DIAGRAMM 6X8 (*8X8) ,				73					
REAR AXLE STEERING				77					
REAR AXLE STEERING				78					
REAR AXLE STEERING				79					
REAR AXLE STEERING				80					
REAR MIRROR HEATING ,				96					
REGISTER OF SHEETS				2					
REGISTER OF SHEETS				3					
SERIAL INTERFACE CAN				51					B
SERIAL INTERFACE LSB1				46					
SERIAL INTERFACE SPI				47					
SERIAL INTERFACE SPI				48					
SERIAL INTERFACE SPI				49					
SERIAL INTERFACE SPI				50					
SERVICE BRAKE , PARKING BRAKE				71					
SOCKET 24V ,				98					
STARTER , GENERATOR ,				52					
STEERING COLUMN SWITCH LEFT ,				85					
STEERING PUMP , AUXILIAIRY STEERING PUMP ,				64					C
SUPPORTING CONTROL UNIT LEFT				31					
SUPPORTING CONTROL UNIT RIGHT				30					
SUPPORTING CONTROL UNIT RIGHT AND LEFT				32					
SUSPENSION				76					
SUSPENSION LOCKED / SUSPENSION ACTIVATED ,				75					
TACHOGRAPH , TACHOGRAPH				65					
TANK CONTENTS ,				63					
TRANSFER CASE				68					
TRANSMISSION ECU				34					
TRANSMISSION ECU VOLTAGE SUPPLY ,				66					E
WHEEL SPEED				114					
WINDOW LIFTER				97					

3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	REGISTER OF SHEETS	Ident-Nr.	984583708	=	U
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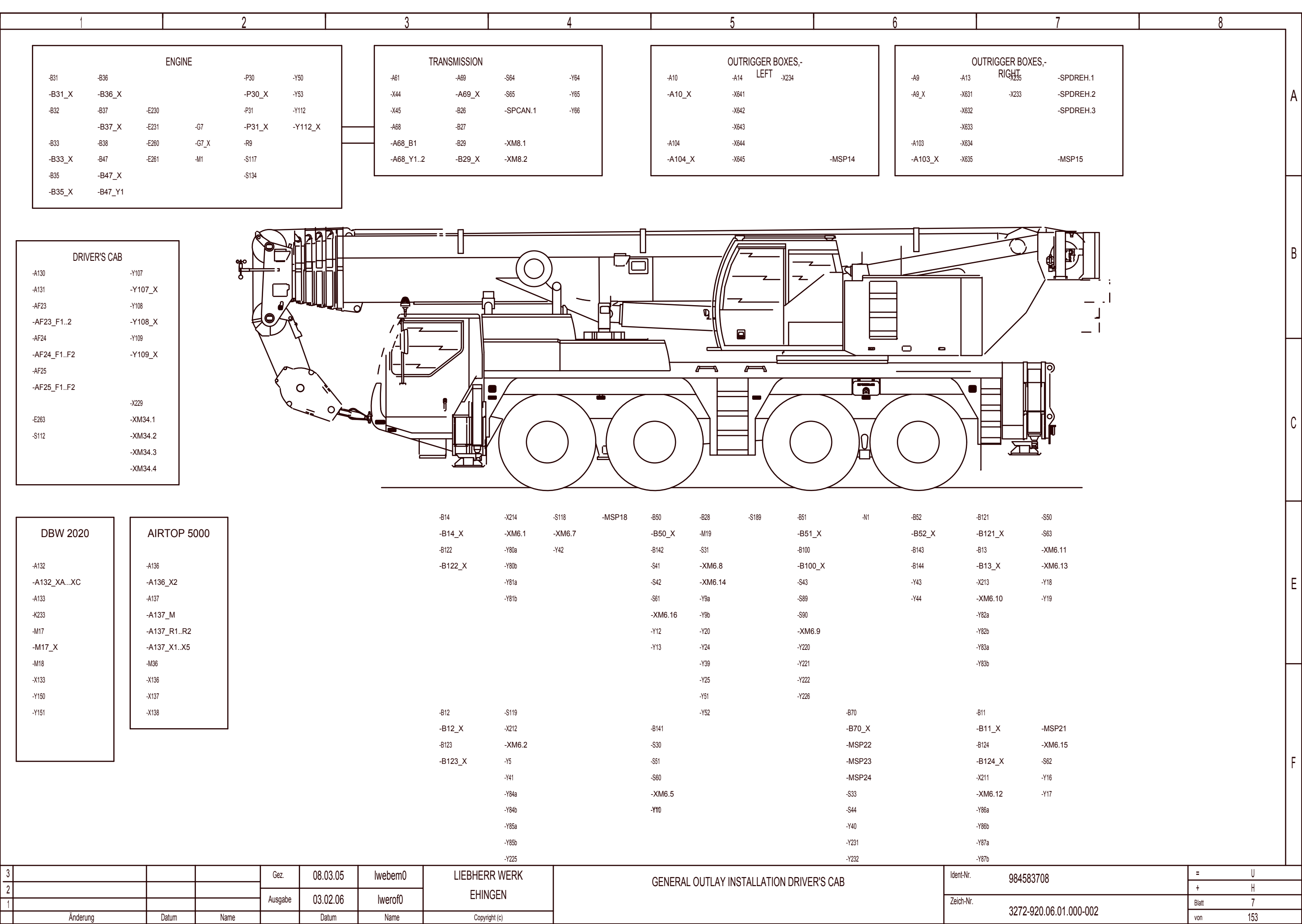


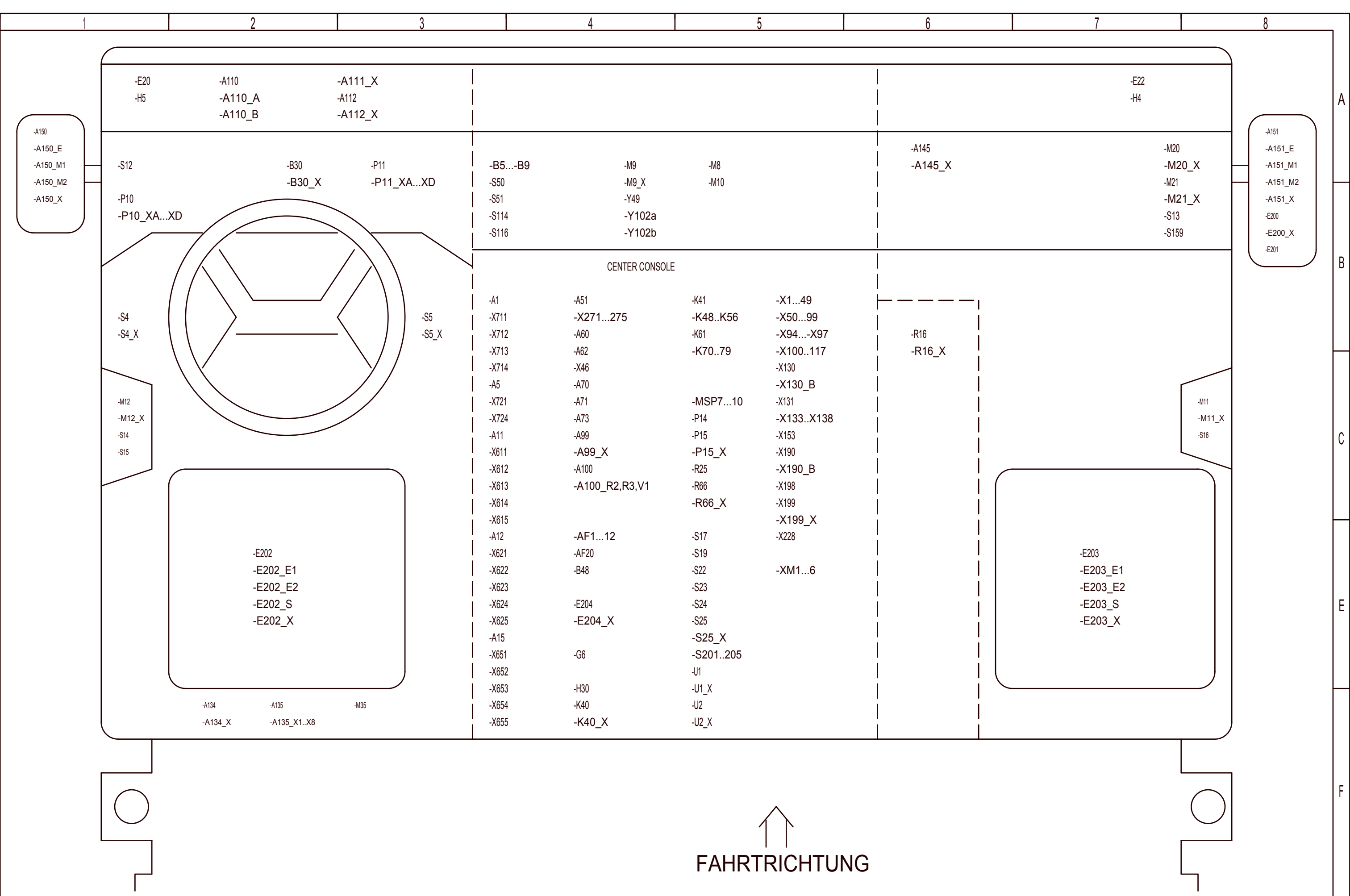


3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	GENERAL OUTLAY LSB	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
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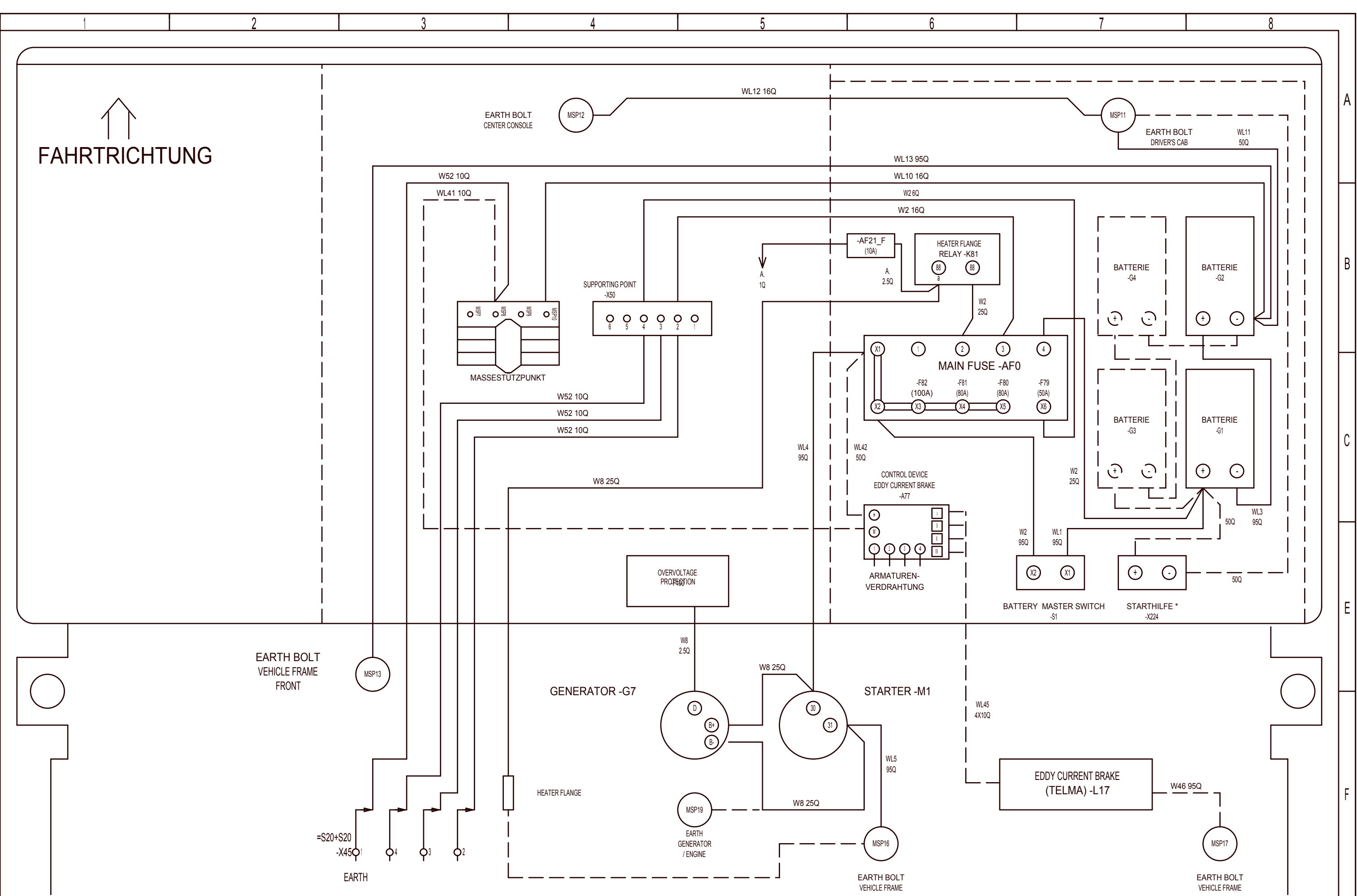






3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	GENERAL OUTLAY INSTALLATION DRIVER'S CAB	Ident-Nr.	984583708	=	U
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3			Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	GENERAL OUTLAY INSTALLATION DRIVER'S CAB	Ident-Nr.	984583708	=	U
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1		2		3		4		5		6		7		8	
FUSE		SHEET		FUNCTION										BMK	
-F1 / 10A	39.1	PARKING LIGHT LEFT , HEADLAMP WASHING DEVICE										-AF1			
-F2 / 10A	39.2	PARKING LIGHT RIGHT, DASHBOARD LIGHT.										-AF1			
-F3 / 10A	39.2	MAIN BEAM LEFT										-AF1			
-F4 / 10A	39.3	MAIN BEAM RIGHT										-AF1			
-F5 / 10A	39.3	LOW BEAM LEFT										-AF1			
-F6 / 10A	39.4	LOW BEAM RIGHT										-AF1			
-F7 / 10A	39.1	IGNATION SWITCH 50 UW										-AF2			
-F8 / 20A	39.2	REVERSING LAMPS, HORN , FOG TAIL LAMP , WARNING SIGNAL DURING REVERSING										-AF2			
-F9 / 20A	39.2	HIGH BEAM , HEAD LAMP FLASHER, BLINKER/HAZARD WARNING LIGHT										-AF2			
-F10 / 20A	39.3	WARNING BEACON										-AF2			
-F11 / 10A	39.3	LIGHT LOW/MAIN BEAM										-AF2			
-F12 / 20A	39.4	PARKING LIGHT , FOG LAMP										-AF2			
-F13 / 15A	39.4	COMPLEMENTARY HEATING DBW 2020 , COMPLEMENTARY HEATING CIRCULATING PUMP										-AF3			
-F14 / 10A	39.5	COMPLEMENTARY HEATING AIRTOP 2000										-AF3			
-F15 / 15A	39.5	COMPLEMENTARY HEATING AIRTOP 5000										-AF3			
-F16 / 20A	39.6	HEATING ACTUATORS , VENTILATOR ( HEAT EXCHANGER ), VOLAGE SUPPLY SPECIAL FUNCTION AUXILIARY HEATING ON										-AF3			
-F17 / 10A	39.6	MIRROR ADJUSTMENT , INDOOR LIGHTING , CIGARETTE LIGHTER , FUSE TESTER										-AF3			
-F18 / 20A	39.7	EA-MODUL 1,2 ( POWER PACK ), VOLAGE SUPPLY DISPLAY UNIT , WORKING HOUR METER , MIRROR HEATING, SEAT HEATING										-AF3			
-F19 / 20A	39.4	ENGINE ECU										-AF4			
-F20 / 10A	39.5	TRANSMISSION ECU , INTARDER										-AF4			
-F21 / 20A	39.5	FUEL PREHEATING										-AF4			
-F22 / 30A	39.6	FLAME GLOW PLUG										-AF4			
-F23 / 20A	39.6	ENGINE START , CLEARING FUEL										-AF4			
-F24 / 10A	39.7	ENGINE STARTER SIGNAL										-AF4			
-F25 / 20A	40.1	AIR CONDITIONING EQUIPMENT COUPLING POINT COMPRESSOR , LIGHTING OUTRIGGER										-AF5			
-F26 / 20A	40.2	SOCKET ON TRAILER 24V SOCKET 24V SOCKET ON TRAILER 12V , VOLTAGE SUPPLY OW										-AF5			
-F27 / 10A	40.2	ADDITIONAL PROJECTOR , VENTILATION FLAP , GENERATOR										-AF5			
-F28 / 10A	40.3	HEADLAMP WASHING DEVICE										-AF5			
-F29 / 20A	40.3	ABV VEHICLE										-AF5			
-F30 / 20A	40.4	ANTI-SKID SYSTEM TRAILER										-AF5			

3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	FUSE GROUPING	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	Blatt	10
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1		2		3		4		5		6		7		8	
FUSE		SHEET		FUNCTION										BMK	
-F31 / 10A	40.1	RADIO (12V), MULTIMEDIA INTERFACE (12V)										-AF6			
-F32 / 10A	40.2	RADIO (12V), SOCKET (12V)										-AF6			
-F33 / 15A	40.2	DC-TORQUE CONVERTER (RADIO , MULTIMEDIA INTERFACE , RADIO )										-AF6			
-F34 / 20A	40.3	COMPLEMENTARY HEATING										-AF6			
-F35 / 10A	40.3	I/O-MODULE 1-5 , TACHOGRAPH , TACHOGRAPH , CHARGING SET ( SENSOR ), PRESELECTOR CLOCK , RECORDER UNIT										-AF6			
-F36 / 20A	40.4	CHARGING SET										-AF6			
-F37 / 10A	40.4	AIR DRIER , FUEL PREHEATING , INDOOR LIGHTING , TANK SENSOR , FUNCTION CHECK-BACK SIGNAL										-AF7			
-F38 / 10A	40.5	WINDSCREEN WIPER , &EE721; , HOOTER ,TEMPOMAT										-AF7			
-F39 / 10A	40.5	WINDOW LIFTER LEFT										-AF7			
-F40 / 10A	40.6	WINDOW LIFTER RIGHT										-AF7			
-F41 / 10A	40.6	ENGINE ECU TRANSMISSION ECU, TACHOGRAPH										-AF7			
-F42 / 10A	40.7	INTARDER , DIAGNOSIS , EMERGENCY SHUTDOWN										-AF7			
-F43 / 10A	40.4	I/O-MODULE 1 DIGITAL -/ ANALOG - OUTLETS										-AF8			
-F44 / 10A	40.5	AXLE EQUALIZATION , SUSPENSION , ACKNOWLEDGEMENT : DIFFERENTIAL LOCKS										-AF8			
-F45 / 10A	40.5	I/O-MODULE 5 DIGITAL -/ ANALOG - OUTLETS										-AF8			
-F46 / 10A	40.6	I/O-MODULE 3/4 DIGITAL OUTLETS										-AF8			
-F47 / 10A	40.6	I/O-MODULE 3/4 ANALOG OUTLETS										-AF8			
-F48 / 10A	40.7	I/O-MODULE 3/4/5 POWER PACK , REAR AXLE STEERING , CODING , PROGRAMMING LSB										-AF8			
-F49 / 10A	41.1	FUEL CONDENSATION REMOVAL , KEY BOARD UNIT COMPLEMENTARY HEATING , PRESELECTOR CLOCK , RECOVERY WINCH , APPARATUS RACK										-AF9			
-F50 / 10A	41.2	VOLAGE SUPPLY ABV , SOCKET ON TRAILER ABV, RECORDER UNIT , NAVIGATION UNIT , DOLLY										-AF9			
-F51 / 10A	41.2	I/O-MODULE 2 DIGITAL OUTLETS										-AF9			
-F52 / 10A	41.3	I/O-MODULE 2 ANALOG OUTPUTS										-AF9			
-F53 / 10A	41.3	I/O-MODULE 2 IGNITION ON SUPERSTR.										-AF9			
-F54 / 10A	41.4	I/O-MODULE 2 IGNITION ON CARRIER										-AF9			
-F55 / ..A	41.1	RESERVE										-AF10			
-F56 / ..A	41.2	RESERVE										-AF10			
-F57 / ..A	41.2	RESERVE										-AF10			
-F58 / ..A	41.3	RESERVE										-AF10			
-F59 / ..A	41.3	RESERVE										-AF10			
-F60 / ..A	41.4	RESERVE										-AF10			

1			2			3			4			5			6			7			8		
FUSE			SHEET			FUNCTION									BMK								
-F61 / ..A 41.4 RESERVE															-AF11								
-F62 / ..A 41.5 RESERVE															-AF11								
-F63 / ..A 41.5 RESERVE															-AF11								
-F64 / ..A 41.6 RESERVE															-AF11								
-F65 / ..A 41.6 RESERVE															-AF11								
-F66 / ..A 41.7 RESERVE															-AF11								
-F67 / ..A 41.4 RESERVE															-AF12								
-F68 / ..A 41.5 RESERVE															-AF12								
-F69 / ..A 41.5 RESERVE															-AF12								
-F70 / ..A 41.6 RESERVE															-AF12								
-F71 / ..A 41.6 RESERVE															-AF12								
-F72 / ..A 41.7 RESERVE															-AF12								
-F99 / 7.5A 94.1 REAR LIGHT RIGHT *															-AF15								
-F100 / 7.5A 94.2 REAR LIGHT LEFT *															-AF15								
-F101 / 7.5A 94.2 STOP LIGHT *															-AF15								
-F102 / 7.5A 94.3 FOG TAIL LAMP *															-AF15								
-F103 / 7.5A 94.3 DIRECTION INDICATOR RIGHT *															-AF15								
-F104 / 7.5A 94.4 DIRECTION INDICATOR LEFT *															-AF15								

1		2		3		4		5		6		7		8												
														A												
E//A		SHEET		FUNCTION				TYPE			PLUG															
E.E1.0	76.6	SUSPENSION R.L.	CHECK-BACK SIGNAL 1					E=0...10V,4...20mA			-X612:17															
E.E1.1	76.6	SUSPENSION R.L.	CHECK-BACK SIGNAL 2					E=0...10V,4...20mA			-X612:15															
E.E1.2	76.7	SUSPENSION R.R.	CHECK-BACK SIGNAL 1					E=0...10V,4...20mA			-X612:13															
E.E1.3	76.8	SUSPENSION R.R.	CHECK-BACK SIGNAL 2					E=0...10V,4...20mA			-X612:11															
E.E1.4	72.5	BRAKE PRESSURE 1	SENSOR STOP LIGHT					E=0...10V			-X612:9															
E.E1.5	72.3	BRAKE PRESSURE 2	SENSOR STOP LIGHT					E=0...10V			-X612:7															
E.E1.6	75.7	SUSPENSION	SUSPENSION ACTIVATED					E=0...10V			-X612:5															
E.E1.7								E=0...10V			-X612:3															
E.S1.4	72.6	BRAKE PRESSURE 1	SENSOR STOP LIGHT					A=10mA			-X612:10															
E.S1.5	72.4	BRAKE PRESSURE 2	SENSOR STOP LIGHT					A=10mA			-X612:8															
E.S1.6								A=10mA			-X612:6															
E.S1.7								A=10mA			-X612:4															
E.DE1.0	76.2	SUSPENSION F.L.	CHECK-BACK SIGNAL 1					E=HIGH>4V/LOW<2V			-X612:18															
E.DE1.1	76.3	SUSPENSION F.L.	CHECK-BACK SIGNAL 2					E=HIGH>4V/LOW<2V			-X612:16															
E.DE1.2	76.4	SUSPENSION F.R.	CHECK-BACK SIGNAL 1					E=HIGH>4V/LOW<2V			-X612:14															
E.DE1.3	76.5	SUSPENSION F.R.	CHECK-BACK SIGNAL 2					E=HIGH>4V/LOW<2V			-X612:12															
E.VCCEA1.1								-			-X611:11															
E.VCCEA1.2	44.2	E.DEA1.0 / 1 / 2 / 3 / 4 / 5 / 6 / 7						-			-X611:9															
E.DEA1.0	76.2	FILLING F.L. VALVE						E=HIGH>4V/LOW<2V(A=24V/2A)			-X613:17															
E.DEA1.1	76.3	LOWERING F.L. VALVE						E=HIGH>4V/LOW<2V(A=24V/2A)			-X613:15															
E.DEA1.2	76.4	FILLING F.R. VALVE						E=HIGH>4V/LOW<2V(A=24V/2A)			-X613:13															
E.DEA1.3	76.5	LOWERING F.R. VALVE						E=HIGH>4V/LOW<2V(A=24V/2A)			-X613:11															
E.DEA1.4	76.6	FILLING R.L. VALVE						E=HIGH>4V/LOW<2V(A=24V/2A)			-X613:9															
E.DEA1.5	76.6	LOWERING R.L. VALVE						E=HIGH>4V/LOW<2V(A=24V/2A)			-X613:7															
E.DEA1.6	76.7	FILLING R.R. VALVE						E=HIGH>4V/LOW<2V(A=24V/2A)			-X613:5															
E.DEA1.7	76.8	LOWERING R.R. VALVE						E=HIGH>4V/LOW<2V(A=24V/2A)			-X613:3															
E.VCCA1.0	44.1	E.A1.0 / 1 / 2 / 3						-			-X611:1															
E.VCCA1.1								-			-X611:3															
E.VCCA1.2								-			-X611:5															
E.VCCA1.3								-			-X611:7															
E.A1.0	71.3	PARKING BRAKE VALVE						A=24V/8A			-X613:18															
E.A1.1	53.6	VENTILATION FLAP OPTION						A=24V/8A			-X613:16															
E.A1.2	92.2	STOP LIGHT						A=24V/8A			-X613:14															
E.A1.3								A=24V/8A			-X613:12															
E.GNDMESS1.1								E=0...10A			-X611:18															
														B												
														C												
														E												
														F												
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	I/O-MODULE 1 DISPOSITION			Ident-Nr. 984583708		=	U												
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<table><tr><td colspan="2">E//A</td><td colspan="2">SHEET</td><td colspan="4">FUNCTION</td><td colspan="2">TYPE</td><td colspan="2">PLUG</td><td colspan="2"></td></tr><tr><td>E.E2.0</td><td>38.3</td><td colspan="2">IGNATION SWITCH</td><td colspan="4">50 UW</td><td colspan="2">E=0...10V,4...20mA</td><td colspan="2">-X622:17</td><td colspan="2"></td></tr><tr><td>E.E2.1</td><td>38.5</td><td colspan="2">IGNATION SWITCH</td><td colspan="4">50 OW</td><td colspan="2">E=0...10V,4...20mA</td><td colspan="2">-X622:15</td><td colspan="2"></td></tr><tr><td>E.E2.2</td><td></td><td colspan="2"></td><td colspan="4"></td><td colspan="2">E=0...10V,4...20mA</td><td colspan="2">-X622:13</td><td colspan="2"></td></tr><tr><td>E.E2.3</td><td></td><td colspan="2"></td><td colspan="4"></td><td colspan="2">E=0...10V,4...20mA</td><td colspan="2">-X622:11</td><td colspan="2"></td></tr><tr><td>E.E2.4</td><td>72.1</td><td colspan="2">COMPRESSED-AIR</td><td colspan="4">RESERVE I SENSOR</td><td colspan="2">E=0...10V</td><td colspan="2">-X622:9</td><td colspan="2"></td></tr><tr><td>E.E2.5</td><td>72.3</td><td colspan="2">COMPRESSED-AIR</td><td colspan="4">RESERVE II SENSOR</td><td colspan="2">E=0...10V</td><td colspan="2">-X622:7</td><td colspan="2"></td></tr><tr><td>E.E2.6</td><td>72.5</td><td colspan="2">COMPRESSED-AIR</td><td colspan="4">RESERVE III SENSOR</td><td colspan="2">E=0...10V</td><td colspan="2">-X622:5</td><td colspan="2"></td></tr><tr><td>E.E2.7</td><td></td><td colspan="2"></td><td colspan="4"></td><td colspan="2">E=0...10V</td><td colspan="2">-X622:3</td><td colspan="2"></td></tr><tr><td>E.S2.4</td><td>72.2</td><td colspan="2">COMPRESSED-AIR</td><td colspan="4">RESERVE I SENSOR</td><td colspan="2">A=10mA</td><td colspan="2">-X622:10</td><td colspan="2"></td></tr><tr><td>E.S2.5</td><td>72.4</td><td colspan="2">COMPRESSED-AIR</td><td colspan="4">RESERVE II SENSOR</td><td colspan="2">A=10mA</td><td colspan="2">-X622:8</td><td colspan="2"></td></tr><tr><td>E.S2.6</td><td>72.6</td><td colspan="2">COMPRESSED-AIR</td><td colspan="4">RESERVE III SENSOR</td><td colspan="2">A=10mA</td><td colspan="2">-X622:6</td><td colspan="2"></td></tr><tr><td>E.S2.7</td><td></td><td colspan="2"></td><td colspan="4"></td><td colspan="2">A=10mA</td><td colspan="2">-X622:4</td><td colspan="2"></td></tr><tr><td>E.DE2.0</td><td>38.4</td><td colspan="2">IGNATION SWITCH</td><td colspan="4">15 UW / OW</td><td colspan="2">E=HIGH&gt;4V/LOW&lt;2V</td><td colspan="2">-X622:18</td><td colspan="2"></td></tr><tr><td>E.DE2.1</td><td>38.1</td><td colspan="2">IGNATION SWITCH</td><td colspan="4">15 UW</td><td colspan="2">E=HIGH&gt;4V/LOW&lt;2V</td><td colspan="2">-X622:16</td><td colspan="2"></td></tr><tr><td>E.DE2.2</td><td>38.6</td><td colspan="2">IGNATION SWITCH</td><td colspan="4">15 OW</td><td colspan="2">E=HIGH&gt;4V/LOW&lt;2V</td><td colspan="2">-X622:14</td><td colspan="2"></td></tr><tr><td>E.DE2.3</td><td></td><td colspan="2"></td><td colspan="4"></td><td colspan="2">E=HIGH&gt;4V/LOW&lt;2V</td><td colspan="2">-X622:12</td><td colspan="2"></td></tr><tr><td>E.VCCEA2.1</td><td></td><td colspan="2"></td><td colspan="4"></td><td colspan="2">-</td><td colspan="2">-X621:11</td><td colspan="2"></td></tr><tr><td>E.VCCEA2.2</td><td>44.8</td><td colspan="2">E.DEA2.0 / 1 / 2 / 3 / 4 / 5 / 6 / 7</td><td colspan="4"></td><td colspan="2">-</td><td colspan="2">-X621:9</td><td colspan="2"></td></tr><tr><td>E.DEA2.0</td><td></td><td colspan="2"></td><td colspan="4"></td><td colspan="2">E=HIGH&gt;4V/LOW&lt;2V(A=24V/2A)</td><td colspan="2">-X623:17</td><td colspan="2"></td></tr><tr><td>E.DEA2.1</td><td>63.4</td><td colspan="2">CHANGE-OVER VALVE CARRIER</td><td colspan="4"></td><td colspan="2">E=HIGH&gt;4V/LOW&lt;2V(A=24V/2A)</td><td colspan="2">-X623:15</td><td colspan="2"></td></tr><tr><td>E.DEA2.2</td><td></td><td colspan="2"></td><td colspan="4"></td><td colspan="2">E=HIGH&gt;4V/LOW&lt;2V(A=24V/2A)</td><td colspan="2">-X623:13</td><td colspan="2"></td></tr><tr><td>E.DEA2.3</td><td>75.6</td><td colspan="2">SUSPENSION LOCKED VALVE</td><td colspan="4"></td><td colspan="2">E=HIGH&gt;4V/LOW&lt;2V(A=24V/2A)</td><td colspan="2">-X623:11</td><td colspan="2"></td></tr><tr><td>E.DEA2.4</td><td>75.7</td><td colspan="2">SUSPENSION SUSPENSION ACTIVATED VALVE</td><td colspan="4"></td><td colspan="2">E=HIGH&gt;4V/LOW&lt;2V(A=24V/2A)</td><td colspan="2">-X623:9</td><td colspan="2"></td></tr><tr><td>E.DEA2.5</td><td>74.4</td><td colspan="2">TRANSVERSAL DIFF. AXLE 1/2</td><td colspan="4"></td><td colspan="2">E=HIGH&gt;4V/LOW&lt;2V(A=24V/2A)</td><td colspan="2">-X623:7</td><td colspan="2"></td></tr><tr><td>E.DEA2.6</td><td>74.2</td><td colspan="2">LONGITUDINAL DIFF. TRANSF. CASE VALVE</td><td colspan="4"></td><td colspan="2">E=HIGH&gt;4V/LOW&lt;2V(A=24V/2A)</td><td colspan="2">-X623:5</td><td colspan="2"></td></tr><tr><td>E.DEA2.7</td><td>74.6</td><td colspan="2">TRANSVERSAL DIFF. 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AXLE 1/2						E=HIGH>4V/LOW<2V(A=24V/2A)		-X623:7				E.DEA2.6	74.2	LONGITUDINAL DIFF. TRANSF. CASE VALVE						E=HIGH>4V/LOW<2V(A=24V/2A)		-X623:5				E.DEA2.7	74.6	TRANSVERSAL DIFF. AXLE 3+4						E=HIGH>4V/LOW<2V(A=24V/2A)		-X623:3				E.VCCA2.0	44.7	E.A2.0 / 1 / 2 / 3						-		-X621:1				E.VCCA2.1								-		-X621:3				E.VCCA2.2								-		-X621:5				E.VCCA2.3								-		-X621:7				E.A2.0	63.3	CHANGE-OVER VALVE SUPERSTRUCTURE						A=24V/8A		-X623:18				E.A2.1								A=24V/8A		-X623:16				E.A2.2	64.2	STEERING MOTOR LEFT SUPERSTRUCTURE						A=24V/8A		-X623:14				E.A2.3	64.2	STEERING MOTOR RIGHT SUPERSTRUCTURE						A=24V/8A		-X623:12				E.GNDMESS2.1	64.3	CURRENT MEASUREMENT						E=0...10A		-X621:18			
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E.A2.2	64.2	STEERING MOTOR LEFT SUPERSTRUCTURE						A=24V/8A		-X623:14																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
E.A2.3	64.2	STEERING MOTOR RIGHT SUPERSTRUCTURE						A=24V/8A		-X623:12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
E.GNDMESS2.1	64.3	CURRENT MEASUREMENT						E=0...10A		-X621:18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	I/O-MODULE 2 DISPOSITION				Ident-Nr.		984583708		=		U																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
2				Ausgabe	03.02.06	lwerof0						Zeich-Nr.		3272-920.06.01.000-002		+		H																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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															A			
E//A		SHEET		FUNCTION				TYPE			PLUG							
E.E3.0	77.5	INITIAL TENSION CENTERING CYLINDER						E=0...10V,4...20mA			-X632:17							
E.E3.1								E=0...10V,4...20mA			-X632:15							
E.E3.2								E=0...10V,4...20mA			-X632:13							
E.E3.3								E=0...10V,4...20mA			-X632:11							
E.E3.4	79.1	ANGLE TRANSMITTER I AXLE 1						E=0...10V			-X632:9							
E.E3.5	79.3	ANGLE TRANSMITTER II AXLE 3						E=0...10V			-X632:7							
E.E3.6	79.4	ANGLE TRANSMITTER III AXLE 4						E=0...10V			-X632:5							
E.E3.7	77.7	CENTERING CIRCUIT REAR AXLE STEERING						E=0...10V			-X632:3							
E.S3.4	77.5	INITIAL TENSION CENTERING CYLINDER						A=10mA			-X632:10				B			
E.S3.5								A=10mA			-X632:8							
E.S3.6								A=10mA			-X632:6							
E.S3.7								A=10mA			-X632:4							
E.DE3.0	74.2	LONGITUDINAL DIFF. TRANSF. CASE AXLE 1/3						E=HIGH>4V/LOW<2V			-X632:18				C			
E.DE3.1	74.4	TRANSVERSAL DIFF. AXLE 1						E=HIGH>4V/LOW<2V			-X632:16							
E.DE3.2	74.6	TRANSVERSAL DIFF. AXLE 3+4						E=HIGH>4V/LOW<2V			-X632:14							
E.DE3.3	45.6	CODING CODE -						E=HIGH>4V/LOW<2V			-X632:12							
E.VCCEA3.1								-			-X631:11				E			
E.VCCEA3.2	44.2	E.DEA3.0 / 1 / 2 / 3 / 4 / 5 / 6 / 7						-			-X631:9							
E.DEA3.0	82.2	SLIDING BEAM F.R. EXTEND						E=HIGH>4V/LOW<2V(A=24V/2A)			-X633:17							
E.DEA3.1	82.3	SLIDING BEAM F.R. RETRACT						E=HIGH>4V/LOW<2V(A=24V/2A)			-X633:15							
E.DEA3.2	82.3	SUPPORT F.R. DOWN						E=HIGH>4V/LOW<2V(A=24V/2A)			-X633:13							
E.DEA3.3	82.4	SUPPORT F.R. UP						E=HIGH>4V/LOW<2V(A=24V/2A)			-X633:11							
E.DEA3.4	82.5	SLIDING BEAM R.R. EXTEND						E=HIGH>4V/LOW<2V(A=24V/2A)			-X633:9							
E.DEA3.5	82.6	SLIDING BEAM R.R. RETRACT						E=HIGH>4V/LOW<2V(A=24V/2A)			-X633:7							
E.DEA3.6	82.7	SUPPORT R.R. DOWN						E=HIGH>4V/LOW<2V(A=24V/2A)			-X633:5							
E.DEA3.7	82.7	SUPPORT R.R. UP						E=HIGH>4V/LOW<2V(A=24V/2A)			-X633:3							
E.VCCA3.0	44.3	E.A3.0 / 1 / 2 / 3						-			-X631:1				F			
E.VCCA3.1								-			-X631:3							
E.VCCA3.2								-			-X631:5							
E.VCCA3.3								-			-X631:7							
E.A3.0	77.3	REAR AXLE STEERING CENTERING VALVE						A=24V/8A			-X633:18							
E.A3.1	83.5	OIL SUPPLY SUSPENSION						A=24V/8A			-X633:16							
E.A3.2								A=24V/8A			-X633:14							
E.A3.3	77.6	BLOCKING VALVE AXLE 3,4						A=24V/8A			-X633:12							
E.GNDMESS3.1	77.4	REAR AXLE STEERING CURRENT MEASUREMENT						E=0...10A			-X631:18							
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	I/O-MODULE 3 DISPOSITION			Ident-Nr. 984583708		= U					
2				Ausgabe	03.02.06	lwerof0							+ H					
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E//A		SHEET		FUNCTION				TYPE		PLUG					
E.E4.0	64.5	STEERING PUMP						E=0...10V,4...20mA	-X642:17						
E.E4.1								E=0...10V,4...20mA	-X642:15						
E.E4.2								E=0...10V,4...20mA	-X642:13						
E.E4.3	64.7	AUXILIAIRY STEERING PUMP						E=0...10V,4...20mA	-X642:11						
E.E4.4	77.7	CENTERING CIRCUIT REAR AXLE STEERING						E=0...10V	-X642:9						
E.E4.5	80.5	ANGLE TRANSMITTER III AXLE 4						E=0...10V	-X642:7						
E.E4.6	80.6	ANGLE TRANSMITTER II AXLE 3						E=0...10V	-X642:5						
E.E4.7	80.7	ANGLE TRANSMITTER I AXLE 1						E=0...10V	-X642:3						
E.S4.4	64.5	STEERING PUMP						A=10mA	-X642:10						
E.S4.5								A=10mA	-X642:8						
E.S4.6								A=10mA	-X642:6						
E.S4.7	64.7	AUXILIAIRY STEERING PUMP						A=10mA	-X642:4						
E.DE4.0								E=HIGH>4V/LOW<2V	-X642:18						
E.DE4.1								E=HIGH>4V/LOW<2V	-X642:16						
E.DE4.2	102.5	COMPLEMENTARY HEATING DIAGNOSIS						E=HIGH>4V/LOW<2V	-X642:14						
E.DE4.3	45.5	CODING CODE +						E=HIGH>4V/LOW<2V	-X642:12						
E.VCCEA4.1				E.DEA4.0 / 1 / 2 / 3 / 4 / 5 / 6 / 7				-	-X641:11						
E.VCCEA4.2	44.1							-	-X641:9						
E.DEA4.0	81.2	SLIDING BEAM F.L. EXTENDED						E=HIGH>4V/LOW<2V(A=24V/2A)	-X643:17						
E.DEA4.1	81.3	SLIDING BEAM F.L. RETRACT						E=HIGH>4V/LOW<2V(A=24V/2A)	-X643:15						
E.DEA4.2	81.3	SUPPORT F.L. DOWN						E=HIGH>4V/LOW<2V(A=24V/2A)	-X643:13						
E.DEA4.3	81.4	SUPPORT F.L. UP						E=HIGH>4V/LOW<2V(A=24V/2A)	-X643:11						
E.DEA4.4	81.5	SLIDING BEAM R.L. EXTEND						E=HIGH>4V/LOW<2V(A=24V/2A)	-X643:9						
E.DEA4.5	81.6	SLIDING BEAM R.L. RETRACT						E=HIGH>4V/LOW<2V(A=24V/2A)	-X643:7						
E.DEA4.6	81.7	SUPPORT R.L. DOWN						E=HIGH>4V/LOW<2V(A=24V/2A)	-X643:5						
E.DEA4.7	81.7	SUPPORT R.L. UP						E=HIGH>4V/LOW<2V(A=24V/2A)	-X643:3						
E.VCCA4.0	44.4	E.A4.0 / 1 / 2 / 3						-	-X641:1						
E.VCCA4.1								-	-X641:3						
E.VCCA4.2								-	-X641:5						
E.VCCA4.3								-	-X641:7						
E.A4.0	77.6	BLOCKING VALVE AXLE 3,4						A=24V/8A	-X643:18						
E.A4.1	77.4	EMERGENCY SUPPLY CENTERING CYLINDER						A=24V/8A	-X643:16						
E.A4.2								A=24V/8A	-X643:14						
E.A4.3	77.2	REAR AXLE STEERING CENTERING VALVE						A=24V/8A	-X643:12						
E.GNDMESS4.1	77.1	REAR AXLE STEERING CURRENT MEASUREMENT						E=0...10A	-X641:18						

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3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	I/O-MODULE 4 DISPOSITION	Ident-Nr.	984583708	=	U		
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															A			
E//A		SHEET		FUNCTION				TYPE			PLUG							
E.E5.0	61.7	SET-						E=0...10V,4...20mA			-X652:17							
E.E5.1	61.6	SET+						E=0...10V,4...20mA			-X652:15							
E.E5.2	61.8	AUS						E=0...10V,4...20mA			-X652:13							
E.E5.3	61.7	QUIT						E=0...10V,4...20mA			-X652:11							
E.E5.4	68.4	ACKNOWLEDGEMENT ROAD GEAR						E=0...10V			-X652:9							
E.E5.5	68.5	ACKNOWLEDGEMENT OFF- ROAD GEAR						E=0...10V			-X652:7							
E.E5.6	68.8	TRANSFER CASE NEUTRAL						E=0...10V			-X652:5							
E.E5.7	63.7	TANK CONTENTS SIGNAL						E=0...10V			-X652:3							
E.S5.4								A=10mA			-X652:10				B			
E.S5.5								A=10mA			-X652:8							
E.S5.6								A=10mA			-X652:6							
E.S5.7	63.8	TANK CONTENTS SUPPLY						A=10mA			-X652:4							
E.DE5.0								E=HIGH>4V/LOW<2V			-X652:18				C			
E.DE5.1								E=HIGH>4V/LOW<2V			-X652:16							
E.DE5.2								E=HIGH>4V/LOW<2V			-X652:14							
E.DE5.3								E=HIGH>4V/LOW<2V			-X652:12							
E.VCCEA5.1								-			-X651:11				E			
E.VCCEA5.2	44.4	E.DEA5.0 / 1 / 2 / 3 / 4 / 5 / 6 / 7						-			-X651:9							
E.DEA5.0								E=HIGH>4V/LOW<2V(A=24V/2A)			-X653:17							
E.DEA5.1								E=HIGH>4V/LOW<2V(A=24V/2A)			-X653:15							
E.DEA5.2								E=HIGH>4V/LOW<2V(A=24V/2A)			-X653:13				F			
E.DEA5.3	68.6	TRANSFER CASE OFF- ROAD GEAR						E=HIGH>4V/LOW<2V(A=24V/2A)			-X653:11							
E.DEA5.4	68.6	TRANSFER CASE ROAD GEAR						E=HIGH>4V/LOW<2V(A=24V/2A)			-X653:9							
E.DEA5.5	61.5	TEMPOSET						E=HIGH>4V/LOW<2V(A=24V/2A)			-X653:7							
E.DEA5.6	71.8	PARKING BRAKE						E=HIGH>4V/LOW<2V(A=24V/2A)			-X653:5							
E.DEA5.7	71.7	SERVICE BRAKE STOP LIGHT						E=HIGH>4V/LOW<2V(A=24V/2A)			-X653:3							
E.VCCA5.0	44.3	E.A5.0 / 1 / 2 / 3						-			-X651:1							
E.VCCA5.1								-			-X651:3							
E.VCCA5.2								-			-X651:5							
E.VCCA5.3								-			-X651:7							
E.A5.0	61.2	STEERING COLUMN SWITCH RIGHT						A=24V/8A			-X653:18							
E.A5.1	61.5	ENGINE BRAKE VALVE						A=24V/8A			-X653:16							
E.A5.2								A=24V/8A			-X653:14							
E.A5.3								A=24V/8A			-X653:12							
E.GNDMESS5.1								E=0...10A			-X651:18							
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	I/O-MODULE 5 DISPOSITION			Ident-Nr. 984583708		= U					
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E//A		SHEET		FUNCTION				TYPE		PLUG						
B.E1.0	102.3	AUXILIARY HEATING ON CHECK-BACK SINGAL				E=24V		-X711:9								
B.E1.1	102.6	AUXILIARY HEATING VENTILATOR AFTER-RUNNING				E=24V		-X711:7								
B.E1.2						E=24V		-X711:5								
B.E1.3	101.5	AUXILIARY HEATING PRESETTING DIAL				E=24V		-X711:3								
B.E1.4	111.4	AIR-CONDITIONER PUSH-BUTTON				E=24V		-X712:8								
B.E1.5	85.8	HOOTER				E=24V		-X712:6								
B.E1.6	75.6	SUSPENSION LOCKED				E=24V		-X712:4								
B.30F1.10	43.6	B.A1.0/1/2/3/4/5/ 7/11				24V		-X713:4								
B.A1.0	100.4	HEATING CIRCULATING/FRESH AIR				A=1A		-X711:18								
B.A1.1	100.4	HEATING CIRCULATING/FRESH AIR				A=1A		-X711:16								
B.A1.2	100.5	HEATING FOOT SPACE/ FRONT PANE				A=1A		-X711:14								
B.A1.3	100.6	HEATING FOOT SPACE/ FRONT PANE				A=1A		-X711:12								
B.A1.4	100.7	HEATING ENGINE/DRIVING CAB				A=1A		-X711:10								
B.A1.5	100.8	HEATING ENGINE/DRIVING CAB				A=1A		-X711:8								
B.A1.6						A=1A		-X711:6								
B.A1.7	102.1	COMPLEMENTARY HEATING CIRCULATING PUMP				A=1A		-X711:4								
B.A1.11	102.3	AUXILIARY HEATING ON				A=2A		-X711:11								
B.15F1.1	43.5	B.A1.12 / 13 / 14				24V		-X712:1								
B.A1.12	111.6	AIR-CONDITIONER COUPLING COMPRESS.				A=2A		-X712:18								
B.A1.14						A=2A		-X712:14								
B.15F1.12	43.8	B.A1.15 / 16 / 20				24V		-X713:1								
B.A1.15						A=2A		-X712:12								
B.A1.16						A=1A		-X712:10								
B.A1.20	102.3	AUXILIARY HEATING VALVE MOTOR				A=1A		-X712:11								
B.30F1.11	43.7	B.A1.17 / 18 / 19 / VCCBAT1.1				24V		-X713:3								
B.A1.17	96.6	MIRROR HEATING				A=8A		-X712:17								
B.A1.18	116.3	HEATING DRIVER'S SEAT				A=8A		-X712:15								
B.A1.19	116.5	HEAT. CO-DRIVER'S SEAT				A=8A		-X712:13								
B.VCCBAT1.1	43.3	SPECIAL FUNCTION BATTERY +				A=2A		-X711:1								
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E//A		SHEET		FUNCTION				TYPE		PLUG					
B.30F1.2	43.4	B.A1.21 / 22 / 23	REVERSING LAMPS WARNING SIGNAL HOOTER				24V		-X712:3						
B.A1.21							A=15A		-X712:9						
B.A1.22	92.5						A=15A		-X712:7						
B.A1.23	85.8						A=15A		-X712:5						
B.30F1.9	100.8	B.A1.8 / 9 / 10	VENTILATOR STEP 1 VENTILATOR STEP 2 VENTILATOR STEP 3				24V		-X713:6						
B.A1.8	100.1						A=15A		-X711:17						
B.A1.9	100.2						A=15A		-X711:15						
B.A1.10	100.3						A=15A		-X711:13						
B.15F1.1	43.5	B.A1.12 / 13 / 14	LIGHTING SLIDING BEAMS				24V		-X712:1						
B.A1.13	95.5						A=15A		-X712:16						
B.15F1.3	84.6	LIGHT					24V		-X713:18						
B.A1.24	84.6	LIGHT					A=15A		-X713:17						
B.30F1.4	84.6	PARKING LIGHT					24V		-X713:16						
B.A1.25	84.6	PARKING LIGHT					A=15A		-X713:15						
B.15F1.5	87.4	FOG LAMP					24V		-X713:14						
B.A1.26	87.4	FOG LAMP					A=15A		-X713:13						
B.15F1.6	92.3	REAR FOG LAMP					24V		-X713:12						
B.A1.27	92.3	REAR FOG LAMP					A=15A		-X713:11						
B.30F1.7	88.3	WARNING BEACON					24V		-X713:10						
B.A1.28	88.3	WARNING BEACON					A=15A		-X713:9						
B.30F1.8	85.3	B.A1.29 / 30	DIRECTION INDICATOR LEFT DIRECTION INDICATOR RIGHT				24V		-X713:8						
B.A1.29	85.4						A=15A		-X713:7						
B.A1.30	85.4						A=15A		-X713:5						

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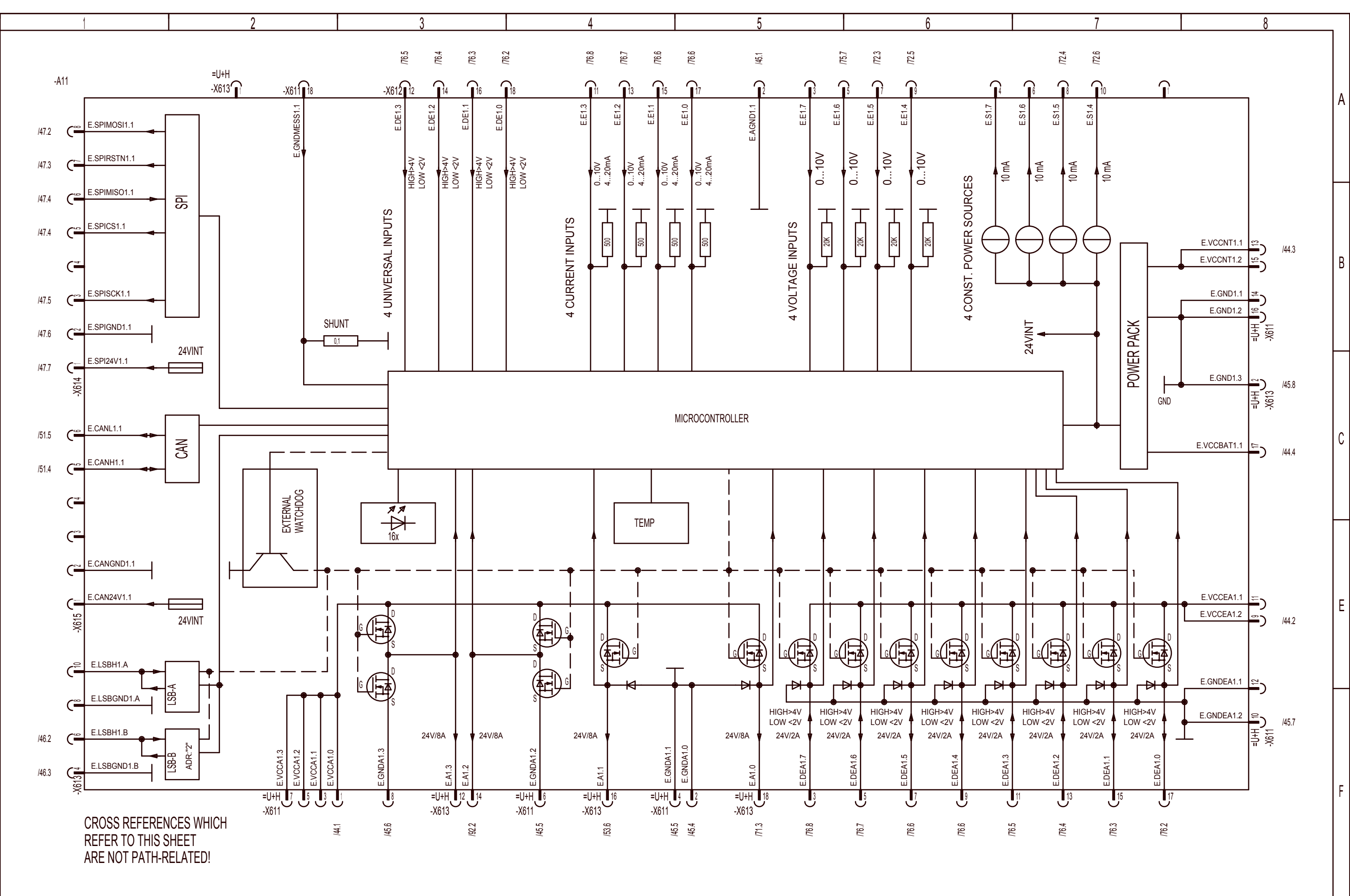
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3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	KEY BOARD UNIT DISPOSITION  TYPE C	Ident-Nr.	984583708	=	U
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	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153

1		2		3		4		5		6		7		8	
E//A		SHEET		FUNCTION				TYPE		PLUG					
B.15F2.1	43.1	VOLTAGE SUPPLY						24V		-X721:1					
B.E2.0	84.3	LIGHT						E=24V,H=24V		-X721:18					
B.E2.1	84.2	MAIN BEAM						E=24V,H=24V		-X721:16					
B.E2.2	102.4	AUXILIARY HEATING ON CHECK-BACK SINGAL						E=24V,H=24V		-X721:14					
B.E2.3	121.8	RECOVERY WINCH						E=24V,H=24V		-X721:12					
B.E2.4	121.7	SWITCH ON SUPPORTING SHIELD, REAR						E=24V,H=24V		-X721:10					
B.E2.5	115.7	ANTI-SKID SYSTEM TRAILER CHECK-BAKC SIGNAL						E=24V,H=24V		-X721:8					
B.E2.11								E=24V,H=24V		-X721:11					
B.E2.12								E=24V,H=24V		-X721:9					
B.E2.13	124.2	DOLLY OPERATION						E=24V,H=24V		-X721:7					
B.E2.6								E=24V		-X721:6					
B.E2.7	59.5	AIR FILTER						E=24V		-X721:4					
B.E2.8	85.4	DIRECTION INDICATOR LEFT						E=24V		-X721:17					
B.E2.9	85.4	DIRECTION INDICATOR RIGHT						E=24V		-X721:15					
B.E2.10	100.6	ACTUATING DRIVE DIAGNOSIS						E=24V		-X721:13					
B.E2.14	52.5	GENERATOR D+ INPUT						E=24V		-X721:5					
B.A2.0	52.5	GENERATOR D+ OUTPUT						A=2A		-X721:3					

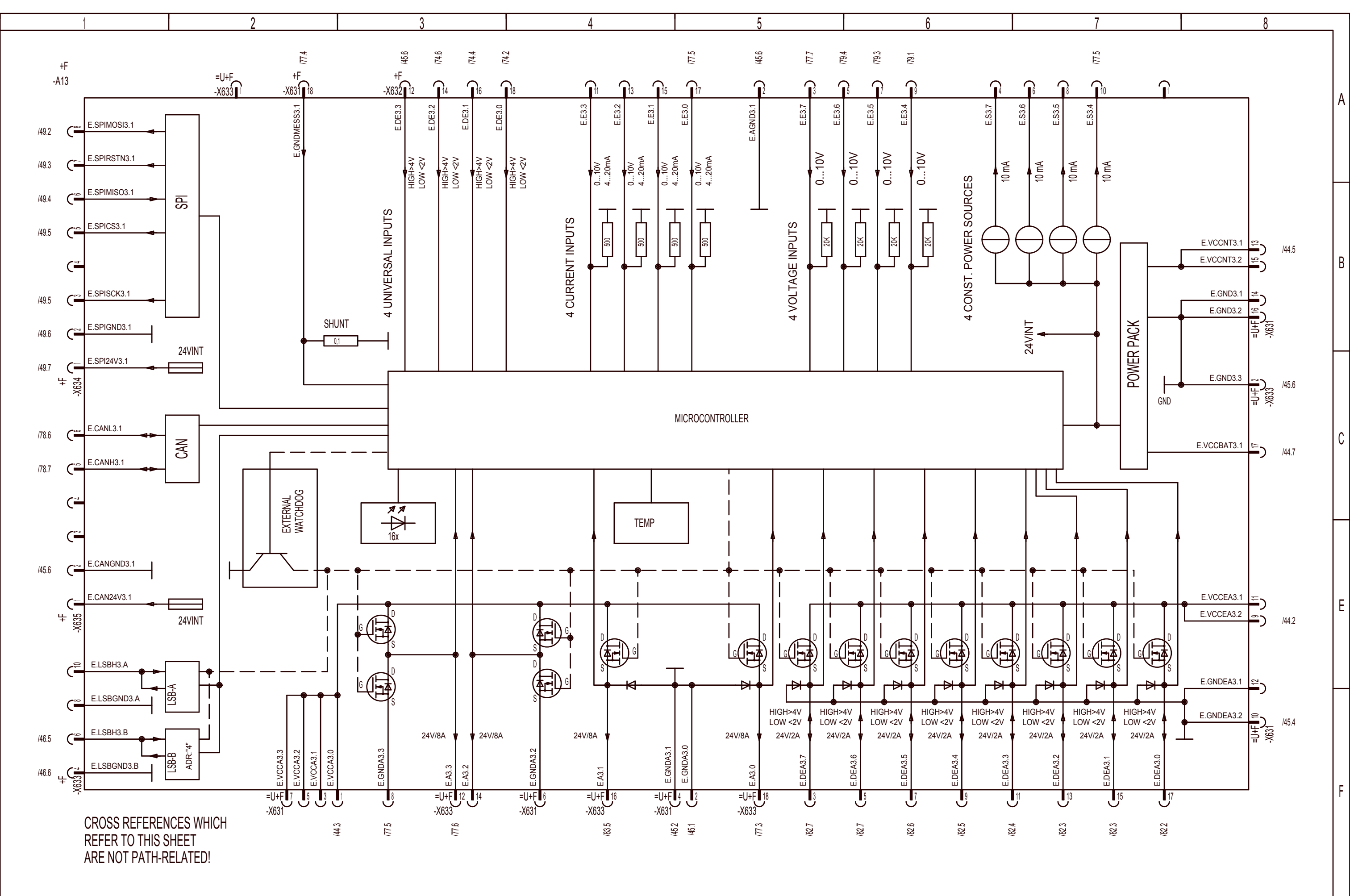
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	DISPLAY UNIT DISPOSITION	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	20
	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153



3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	I/O-MODULE 1	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	21
	Änderung	Datum	Name		Datum	Name			Copyright (c)		von	153

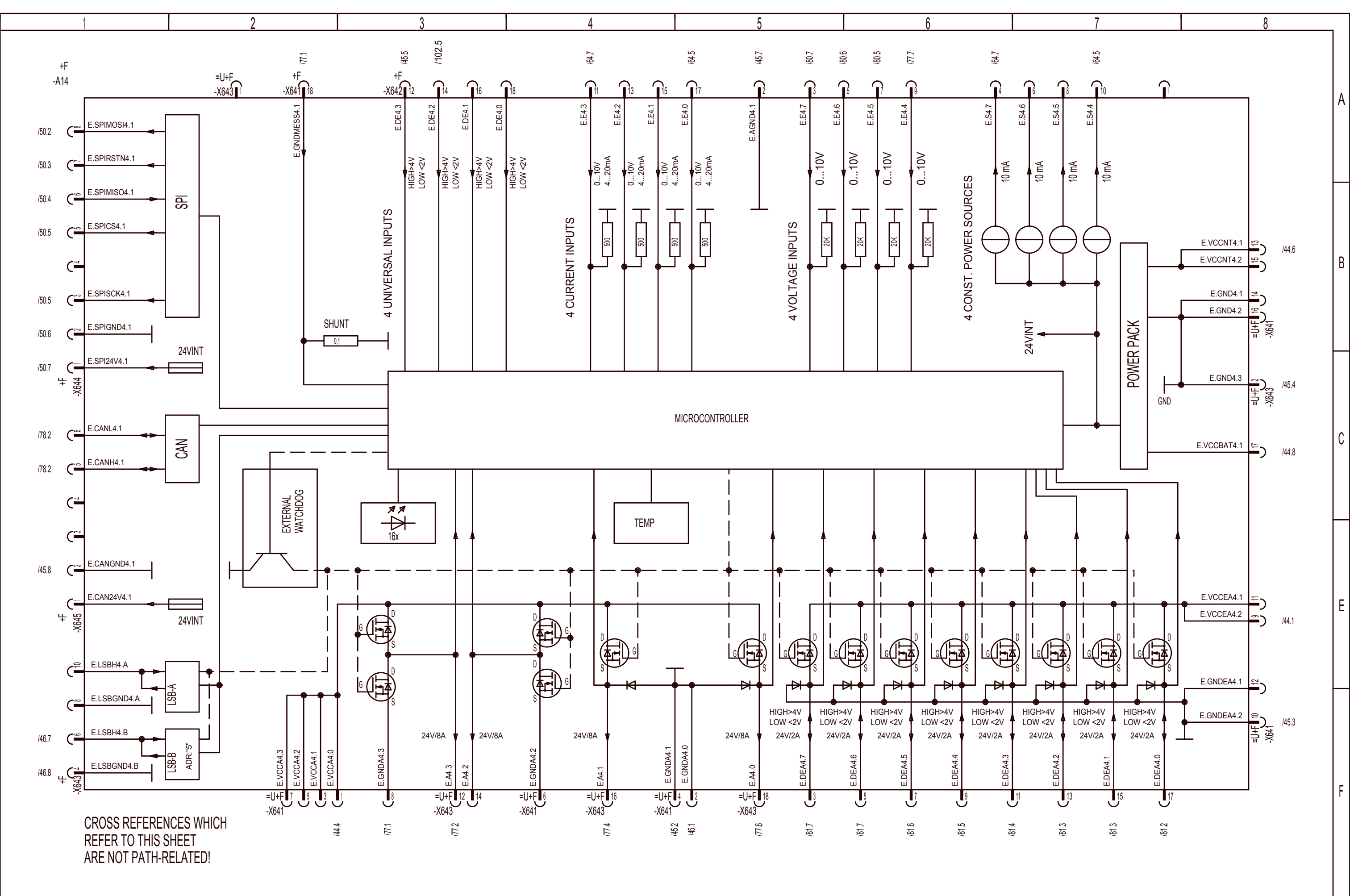




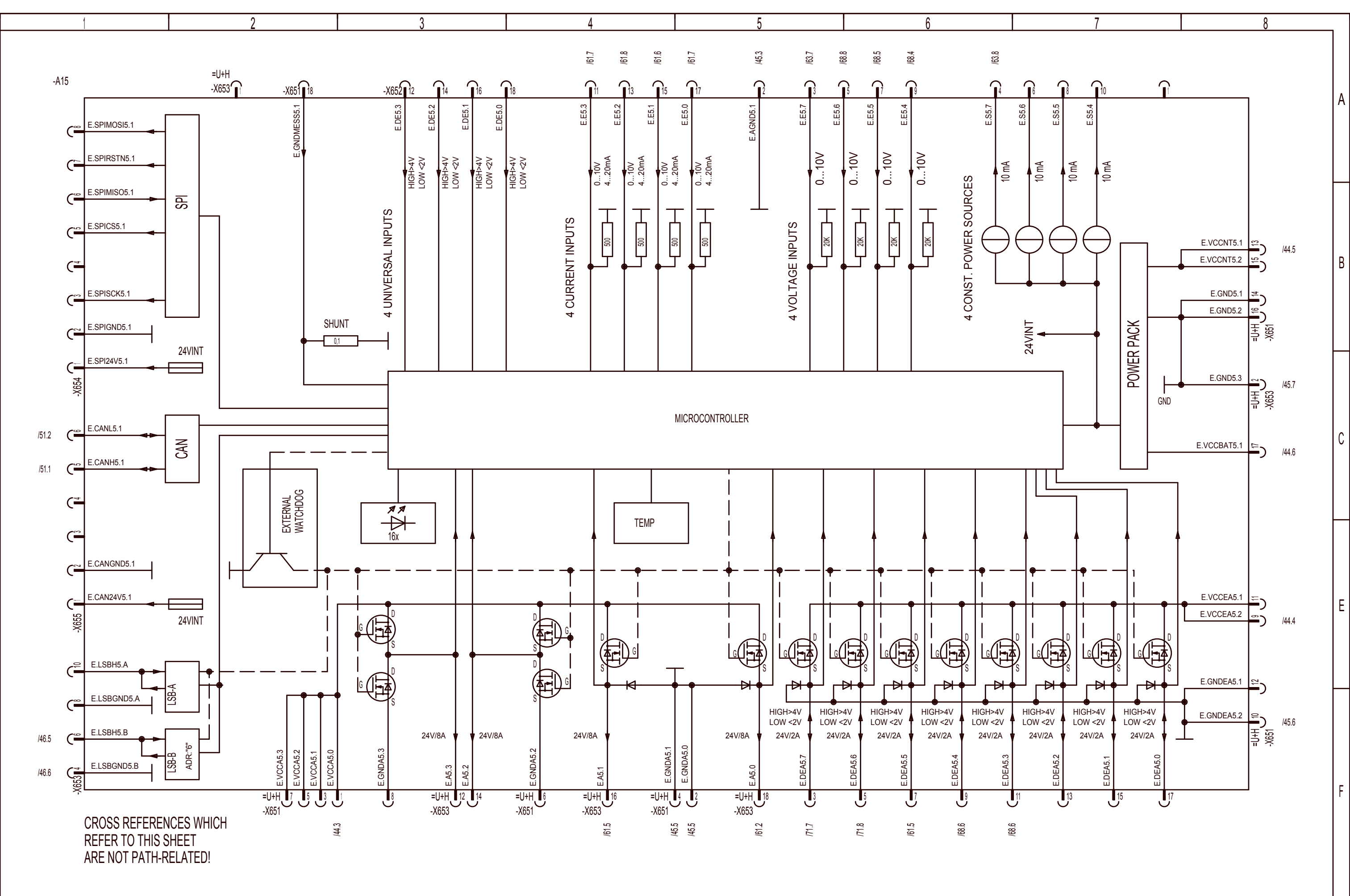


CROSS REFERENCES WHICH  
REFER TO THIS SHEET  
ARE NOT PATH-RELATED!

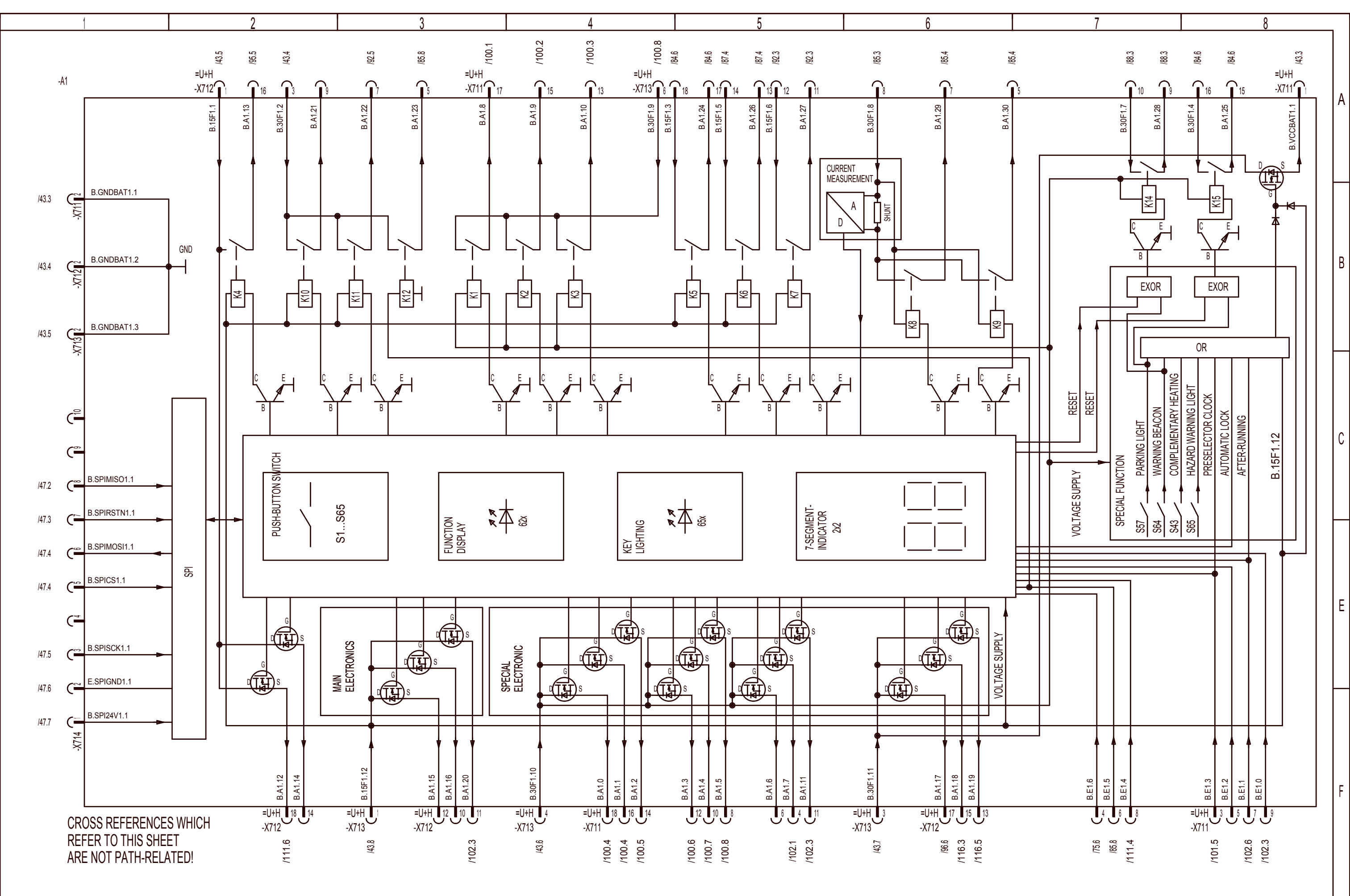
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	I/O-MODULE 3	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerofo			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	23
	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153



3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	I/O-MODULE 4	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	24
	Änderung	Datum	Name							Datum	Name	Copyright (c)

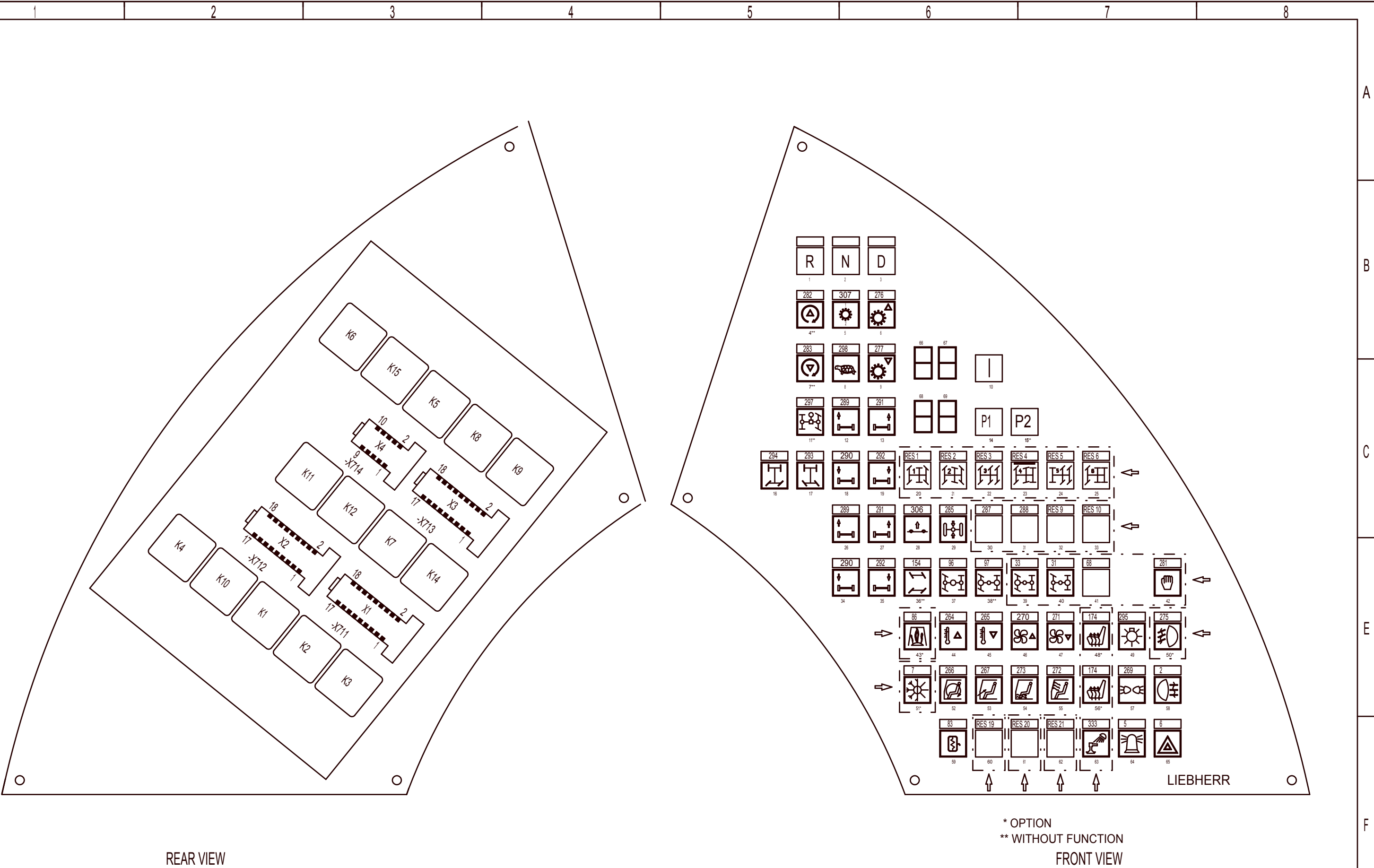


3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	I/O-MODULE 5	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	25
	Änderung	Datum	Name						Datum		Name	Copyright (c)

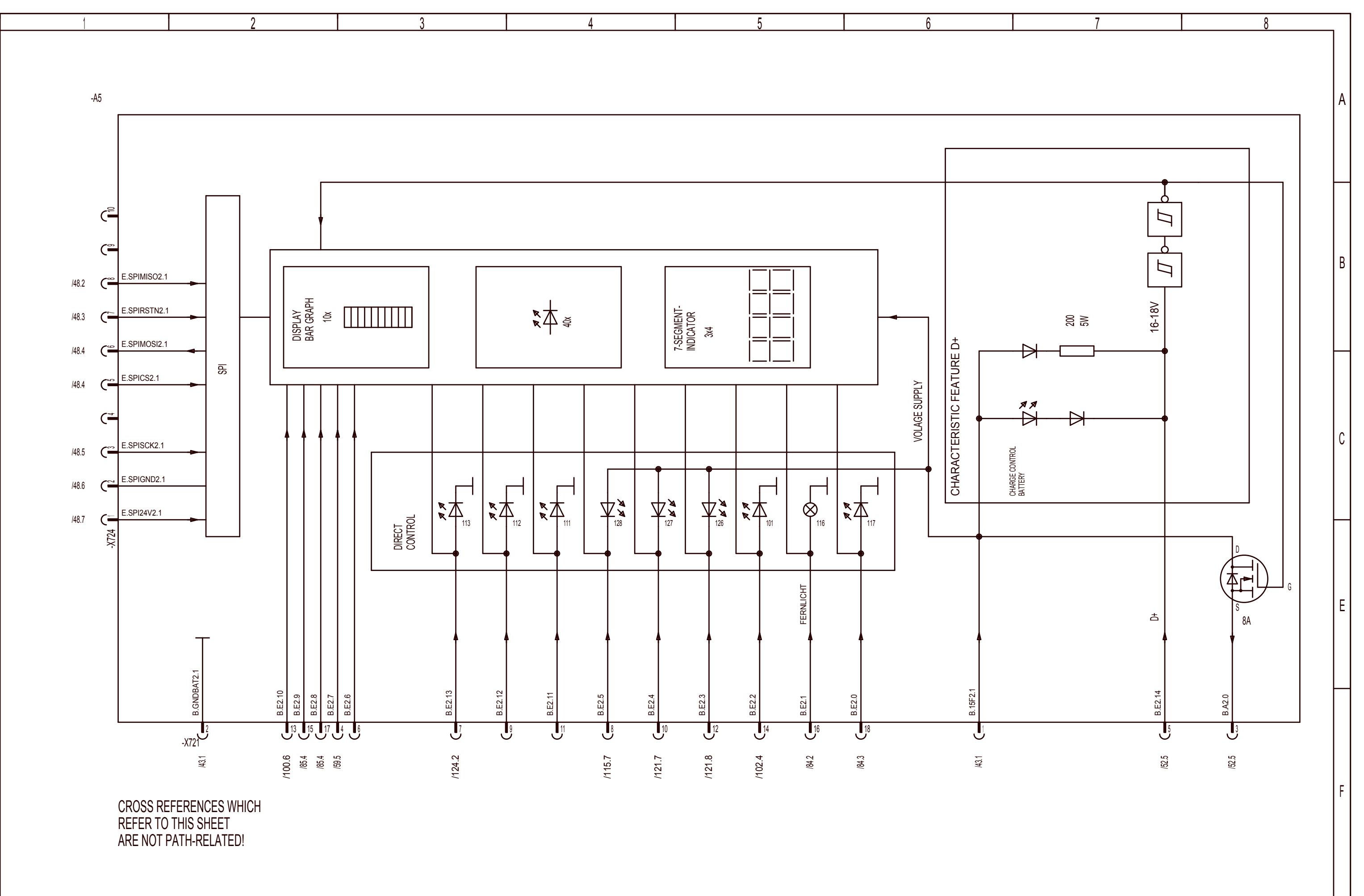


CROSS REFERENCES WHICH  
REFER TO THIS SHEET  
ARE NOT PATH-RELATED!

3				Gez.	08.03.05	lwebem0	LIEBHERR WERK  EHINGEN  TYPE C	KEY BOARD UNIT DRIVER'S CAB	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	26
	Änderung	Datum	Name		Datum	Name			Copyright (c)	von	153	



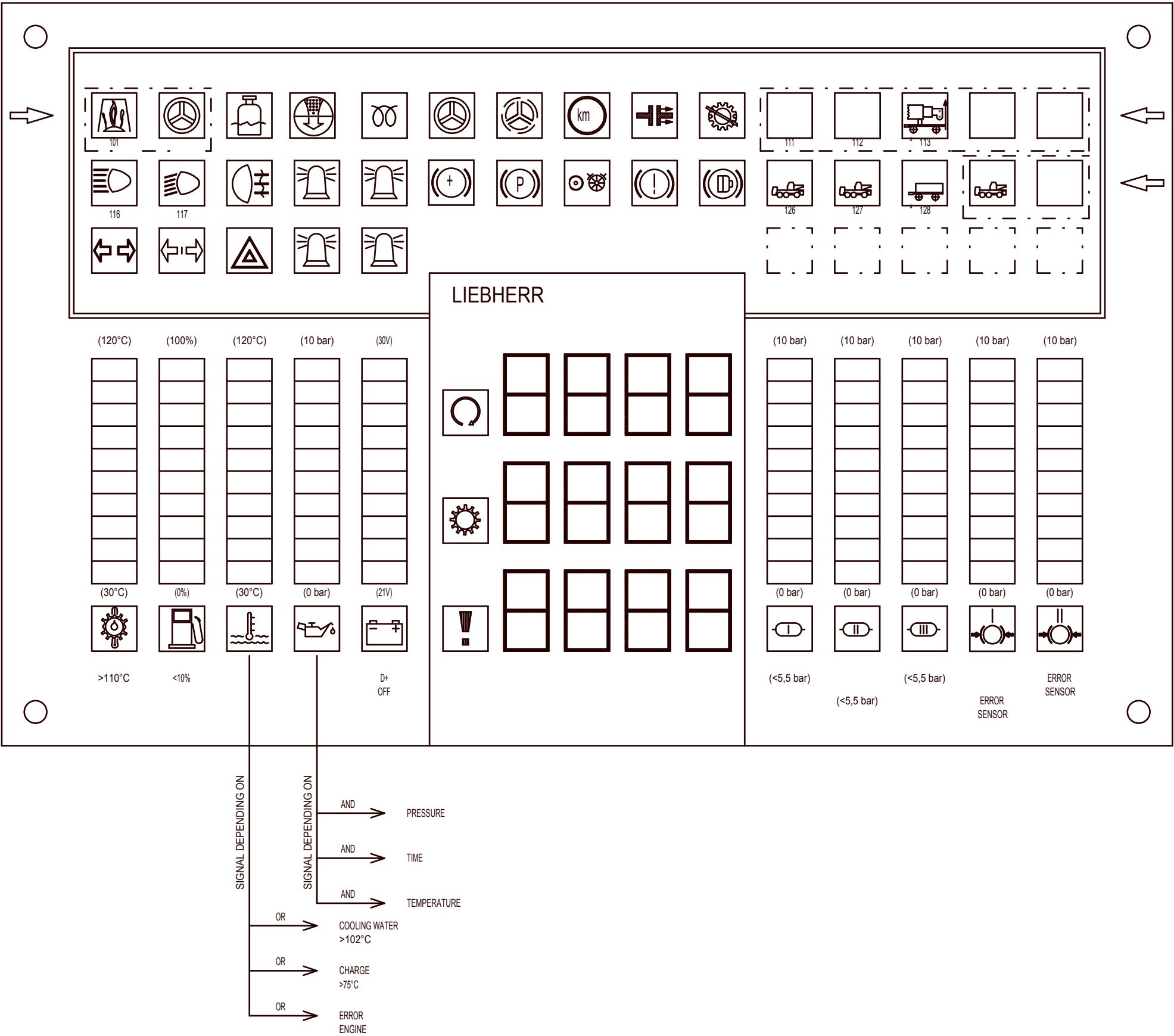
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	KEY BOARD UNIT DRIVER'S CAB  TYPE C	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	27
	Änderung	Datum	Name		Datum	Name	Copyright (c)		von		153	



CROSS REFERENCES WHICH  
REFER TO THIS SHEET  
ARE NOT PATH-RELATED!

3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	DISPLAY UNIT DRIVER'S CAB	Ident-Nr. 984583708	=	U
2				Ausgabe	03.02.06	lwerof0				+	H
1											
	Änderung	Datum	Name		Datum	Name	Copyright (c)	Zeich-Nr. 3272-920.06.01.000-002	von	153	

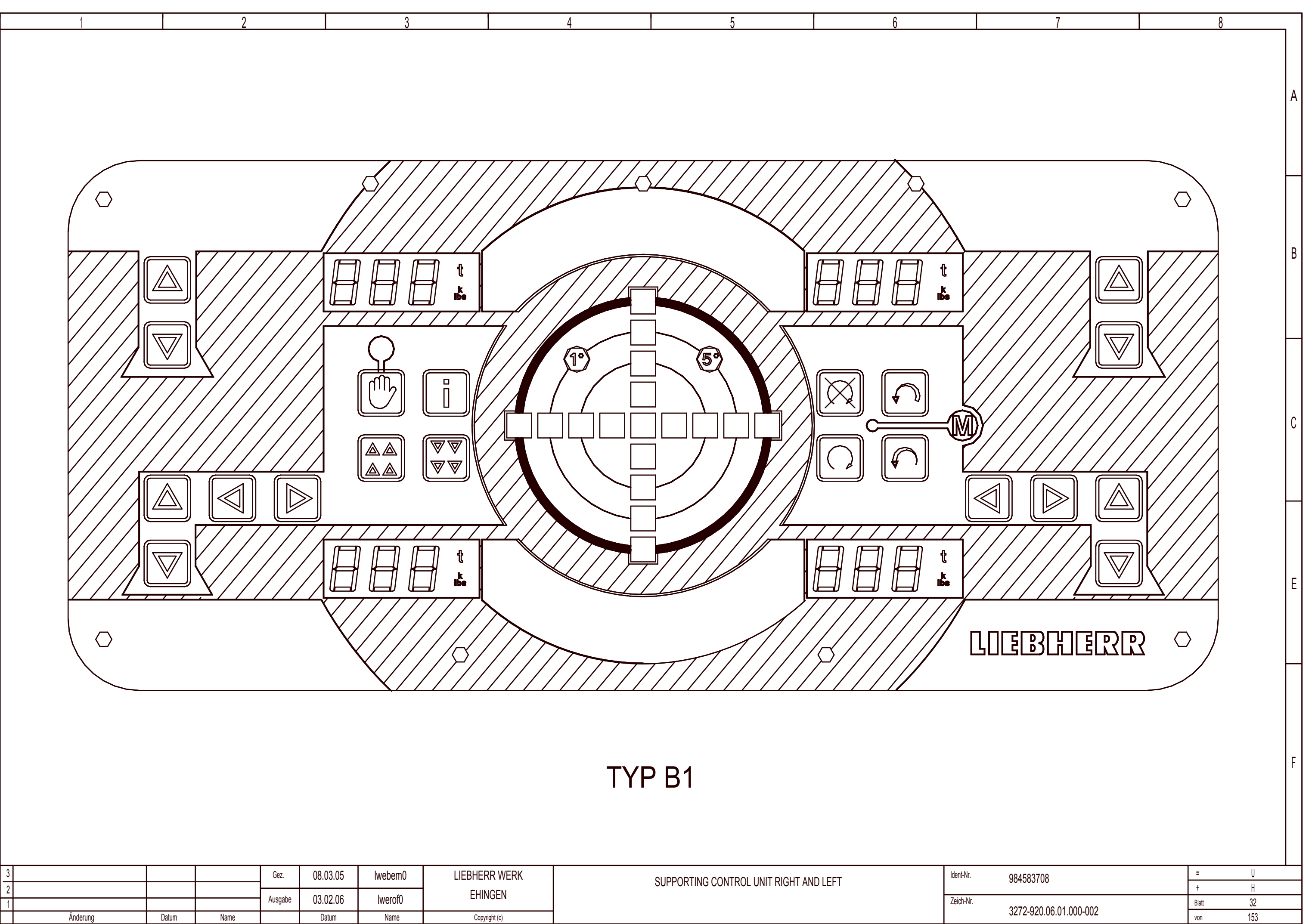
Makro:ANZEIGEEINHEIT











3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	SUPPORTING CONTROL UNIT RIGHT AND LEFT	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0					+	H
1									Blatt	32		
Änderung				Datum		Name	Copyright (c)				3272-920.06.01.000-002	von



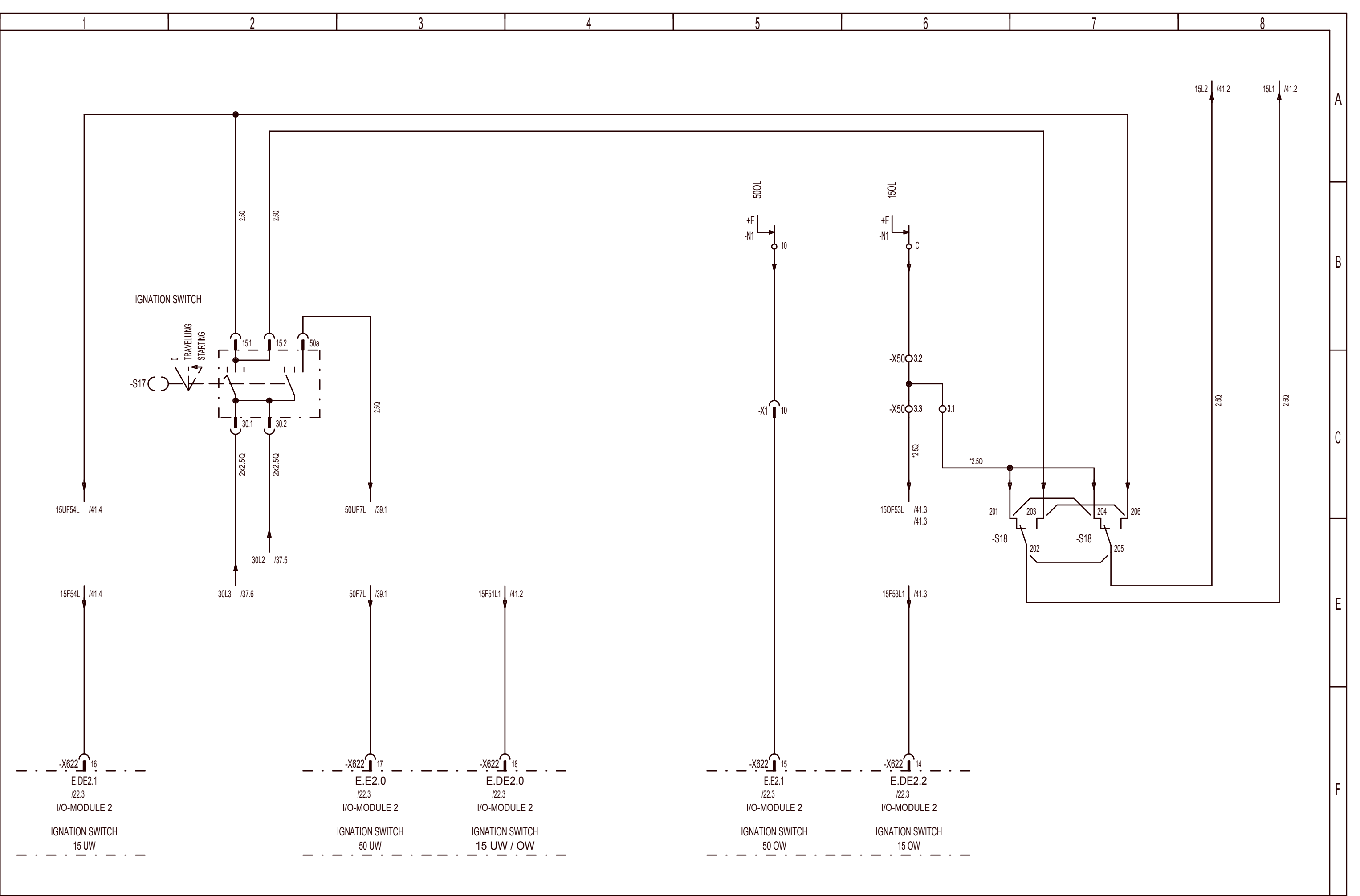










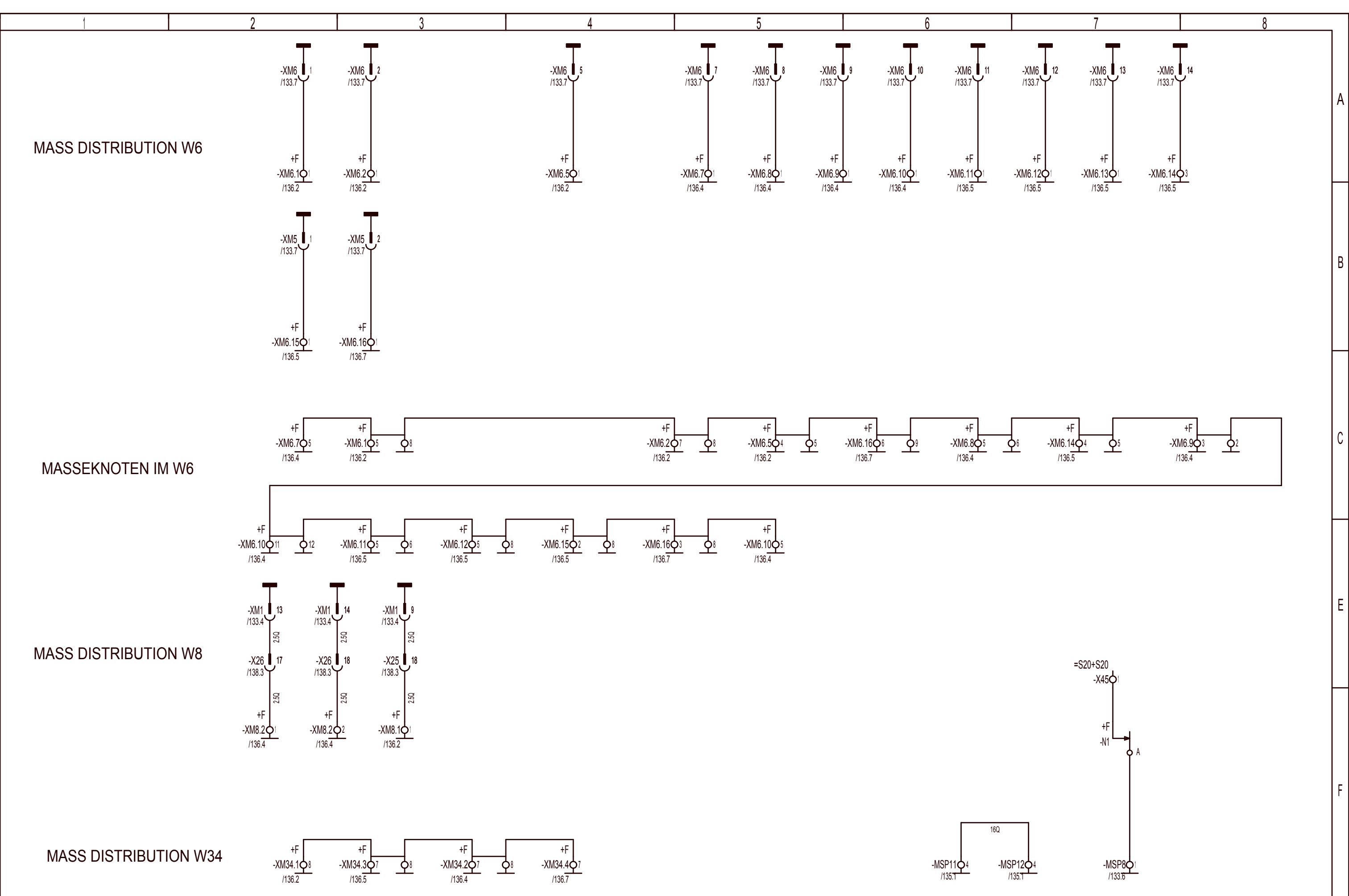


3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	IGNATION SWITCH	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Blatt	38		
	Änderung	Datum	Name		Datum	Name	Copyright (c)		3272-920.06.01.000-002	von	153	

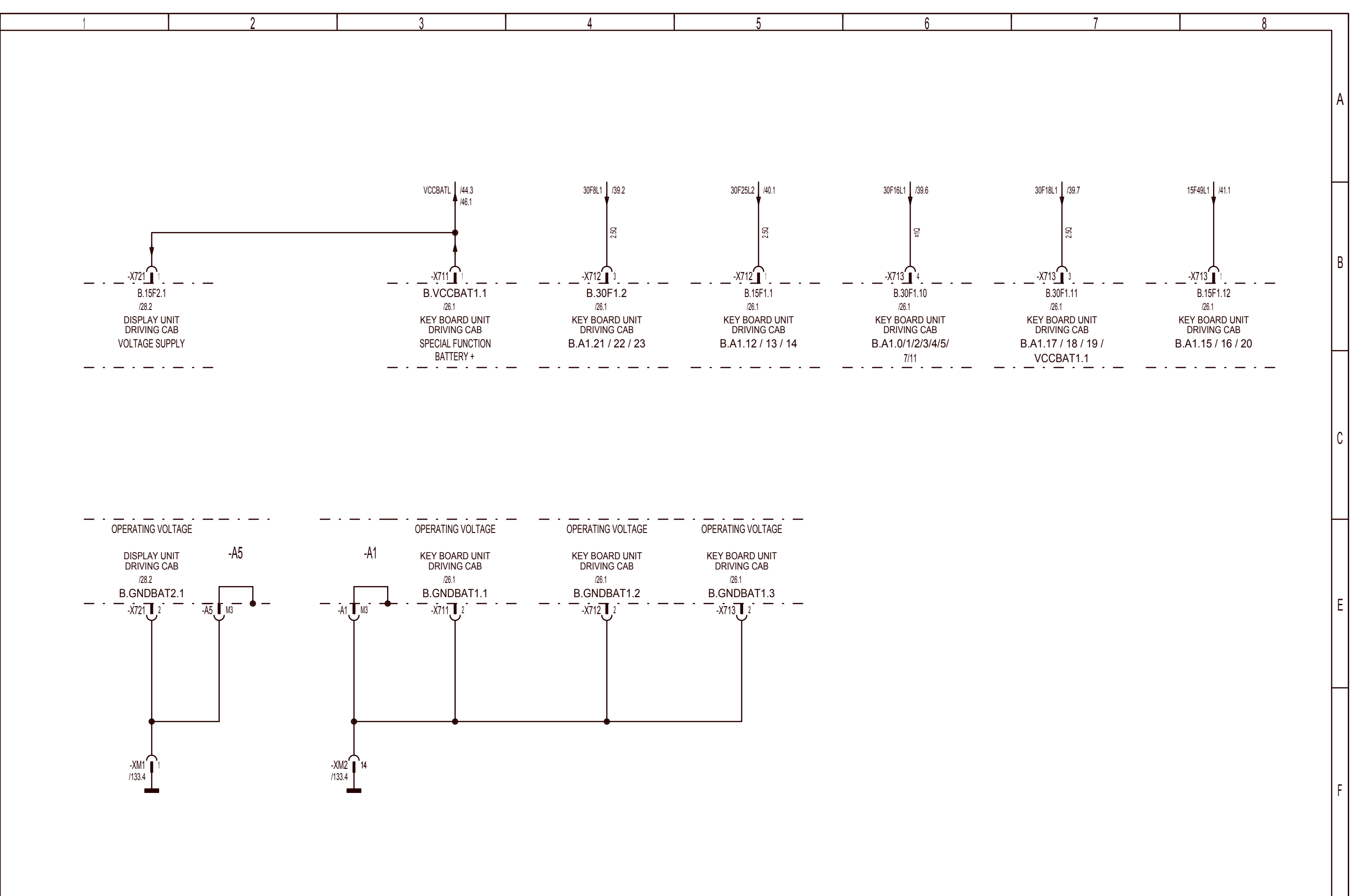




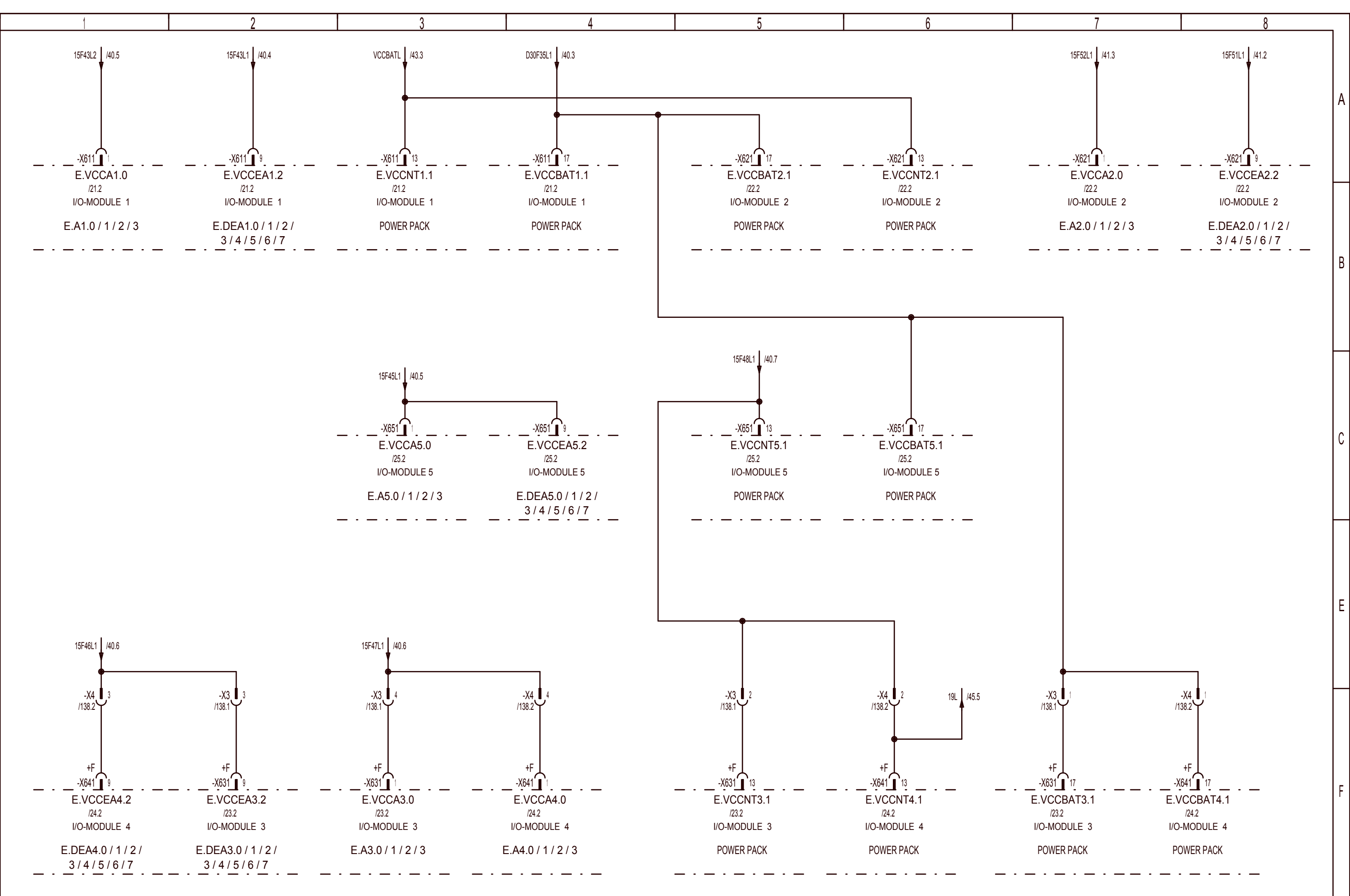




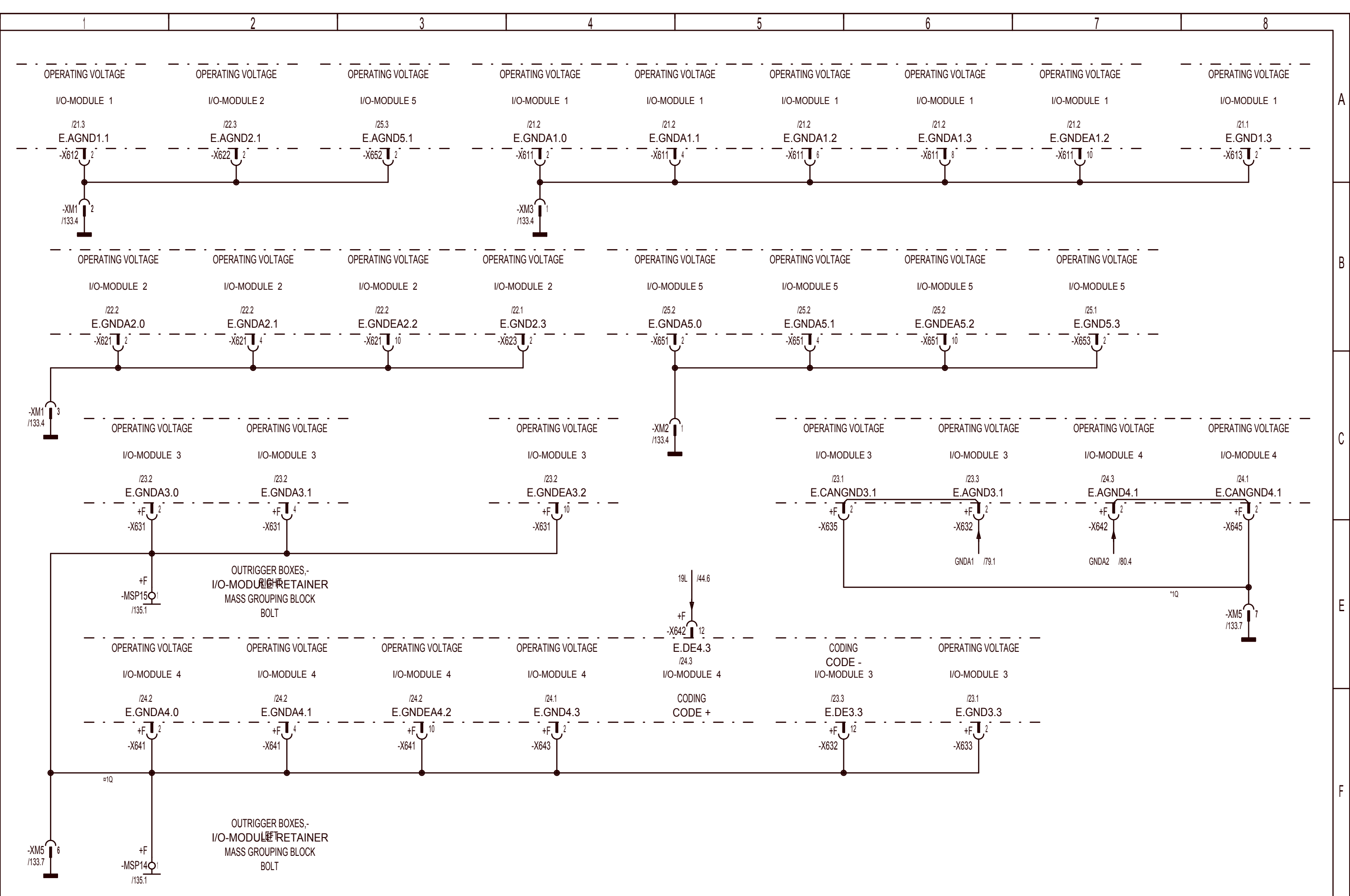
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK  EHINGEN	MASS DISTRIBUTION	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	42
	Änderung	Datum	Name		Datum	Name			Copyright (c)	von	153	



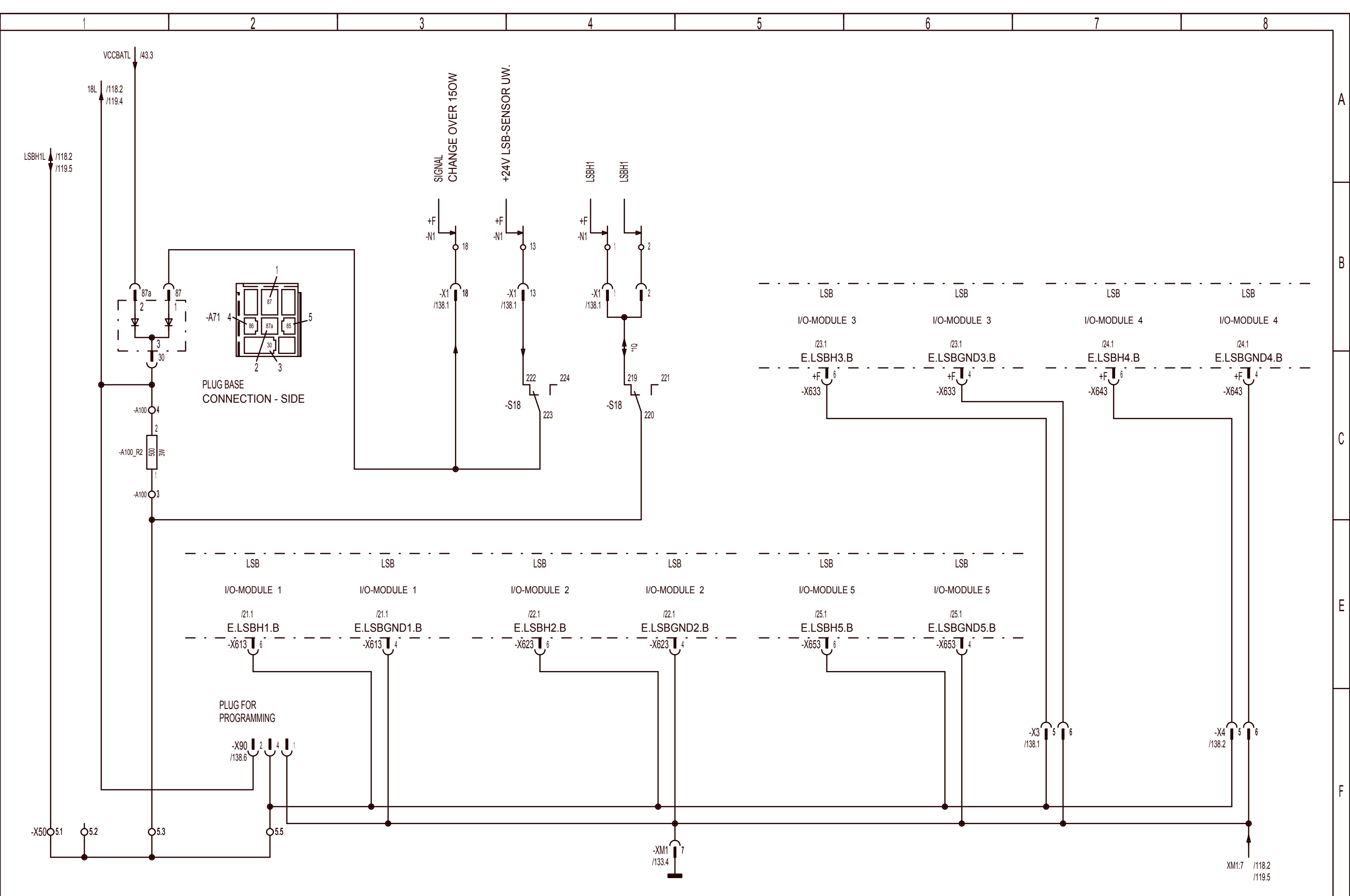




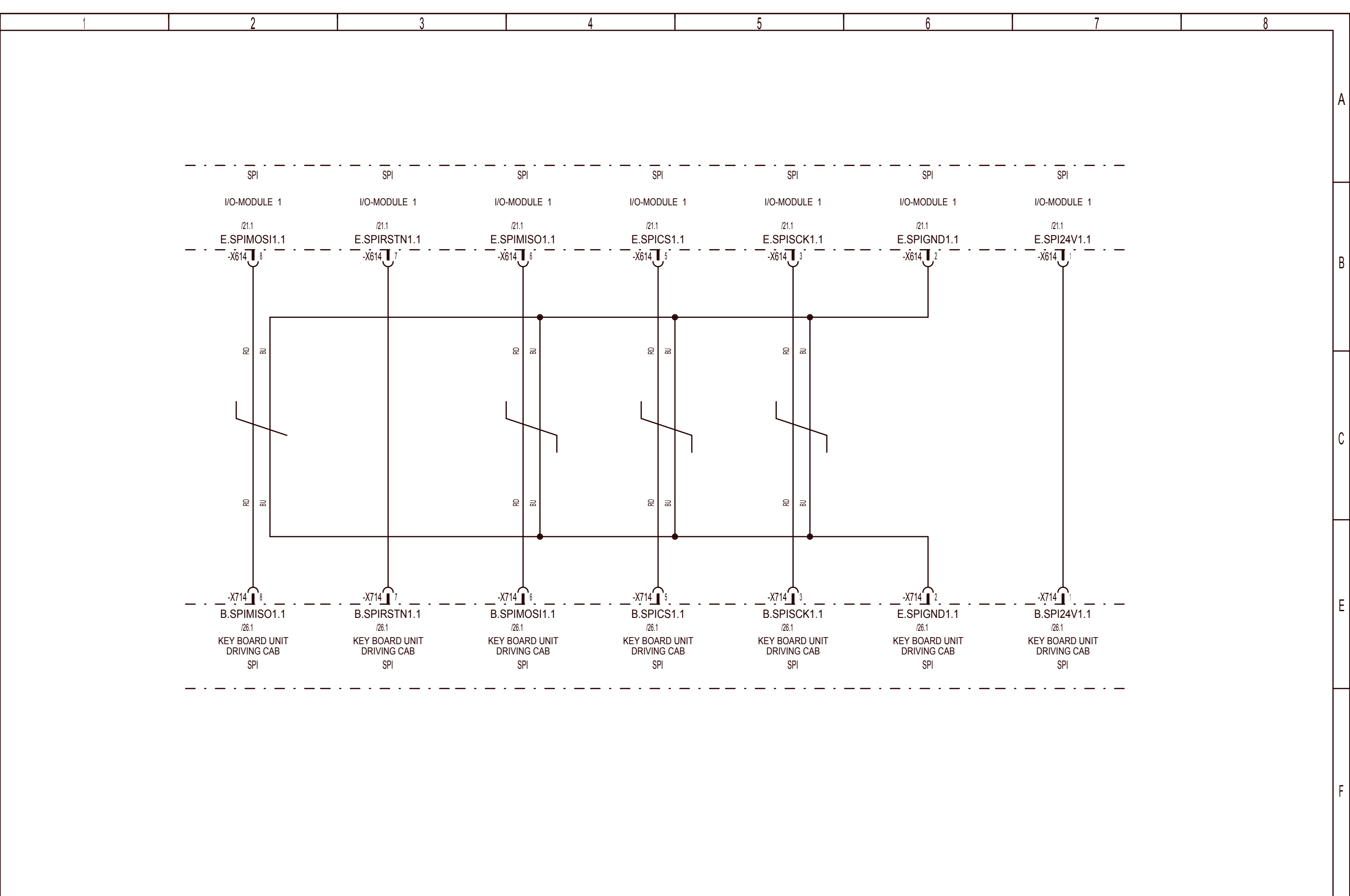
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	I/O-MODULE VOLTAGE SUPPLY	Ident-Nr.	984583708	=	U	
2				Ausgabe	03.02.06	lwerof0			EHINGEN	Zeich-Nr.	3272-920.06.01.000-002	+	H
1												Blatt	44
	Änderung	Datum	Name		Datum	Name			Copyright (c)			von	153

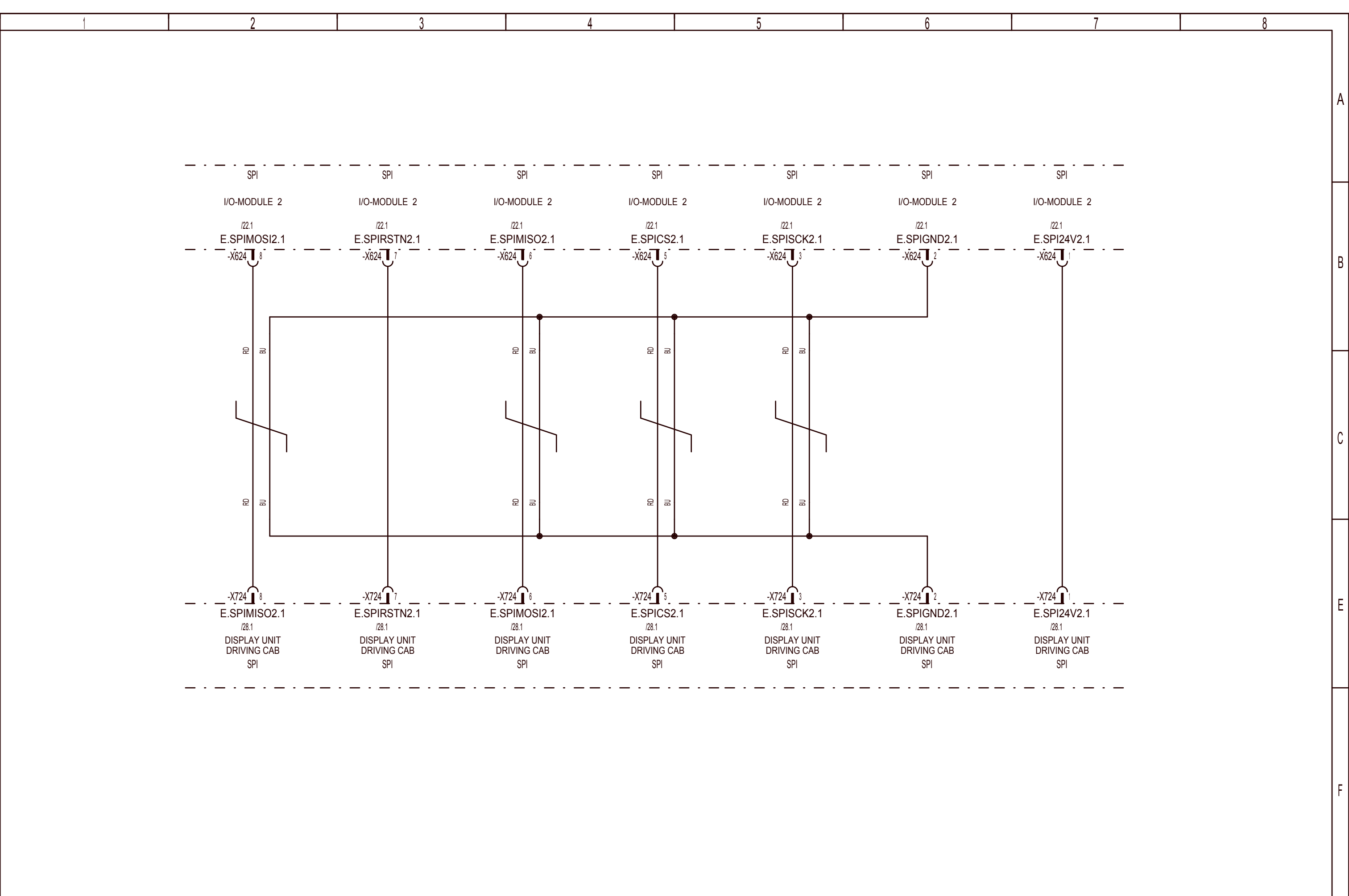


3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	I/O-MODULE VOLTAGE SUPPLY  I/O-MODULE 3/4 CODING	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	45
	Änderung	Datum	Name		Datum	Name	Copyright (c)		von		153	



3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	SERIAL INTERFACE LSB1	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	46
	Änderung	Datum	Name							Datum	Name	Copyright (c)



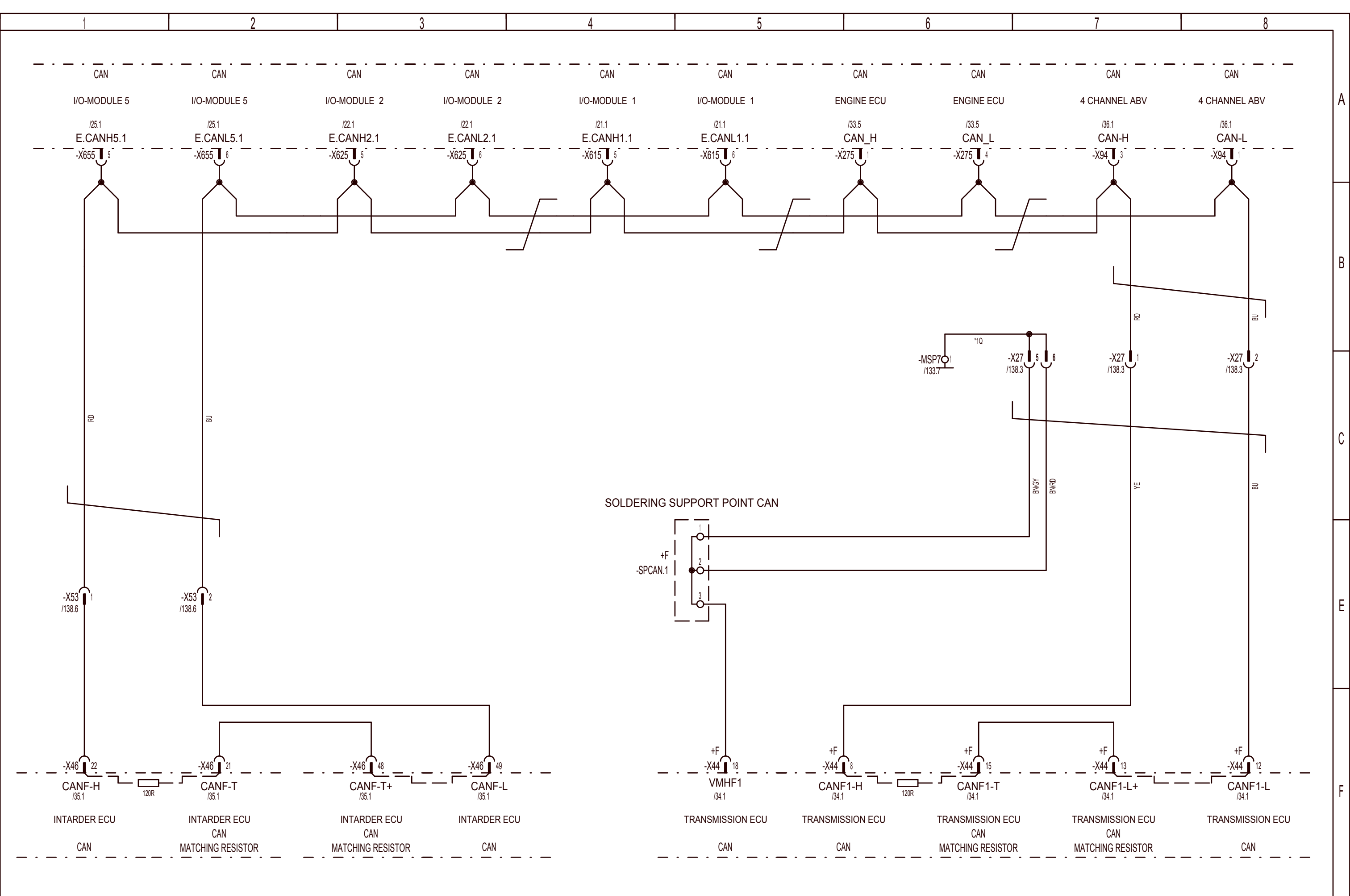


	1	2	3	4	5	6	7	8
A								
B								
C	<p>The diagram illustrates the wiring for seven SPI modules. Each module consists of an I/O-MODULE 3 at the top and a SUPPORTING CONTROL UNIT RIGHT SPI at the bottom. The modules are labeled as follows:</p> <ul style="list-style-type: none"><li>E.SPIMOSI3.1 / B.SPIMOSI3.1</li><li>E.SPIRSTN3.1 / B.SPIRSTN3.1</li><li>E.SPIMISO3.1 / B.SPIMISO3.1</li><li>E.SPICS3.1 / B.SPICS3.1</li><li>E.SPISCK3.1 / B.SPISCK3.1</li><li>E.SPIGND3.1 / B.SPIGND3.1</li><li>E.SPI24V3.1 / B.SPI24V3.1</li></ul> <p>Connections are shown between pins of the I/O-MODULE 3 and the SUPPORTING CONTROL UNIT RIGHT SPI. Key connection points include +F, -X634, -A9_X, and /30.1.</p>							
E								
F								

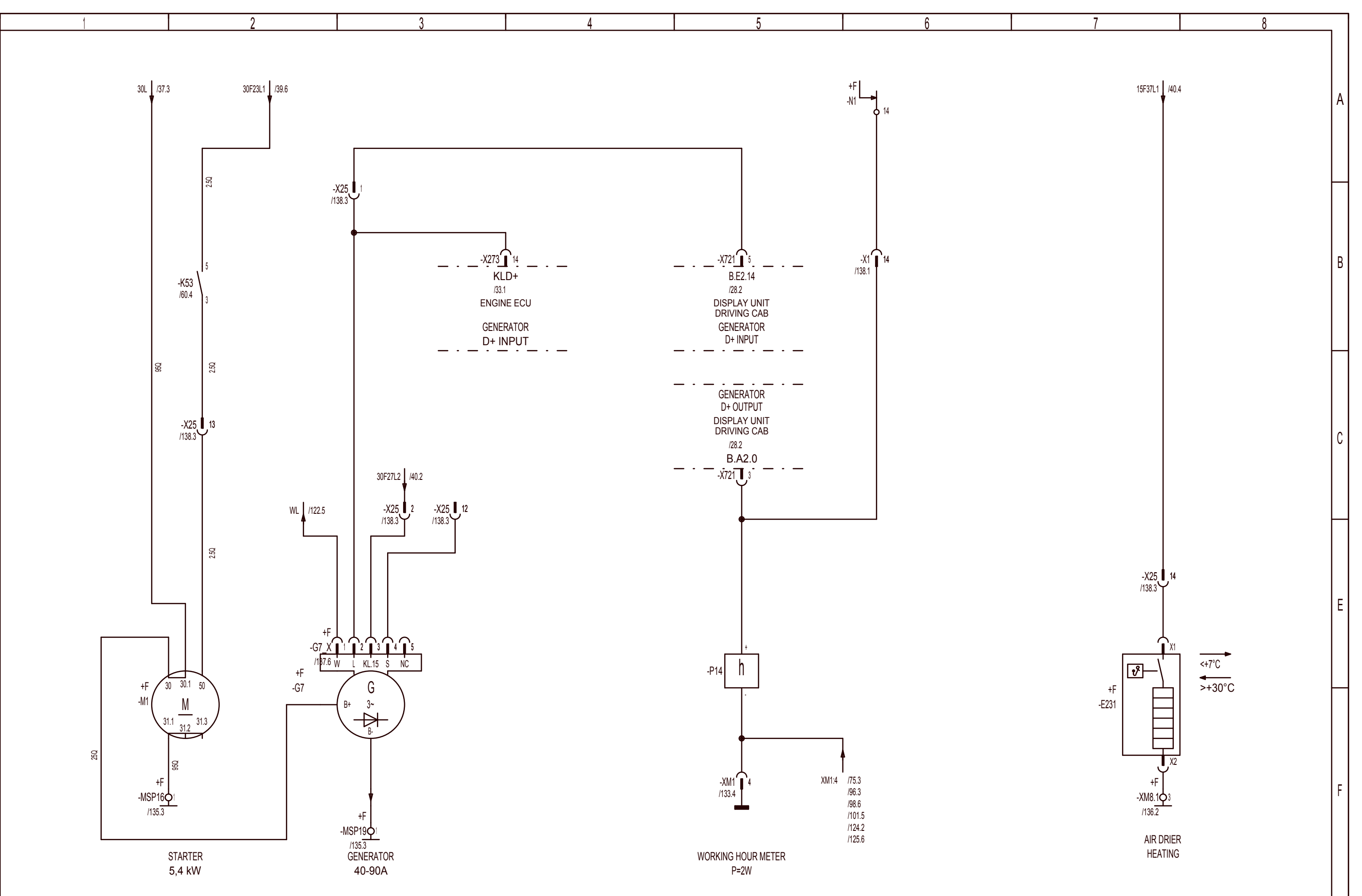
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK	SERIAL INTERFACE SPI SUPPORTING CONTROL UNIT RIGHT	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerofo	EHINGEN		Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	49
	Änderung	Datum	Name		Datum	Name	Copyright (c)		von	153		

3			Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	SERIAL INTERFACE SPI  SUPPORTING CONTROL UNIT LEFT	Ident-Nr.	984583708	=	U
2			Ausgabe	03.02.06	lwerof0			+	H		
1								Zeich-Nr.	3272-920.06.01.000-002	Blatt	50
	Änderung	Datum	Name	Datum	Name	Copyright (c)		von	153		

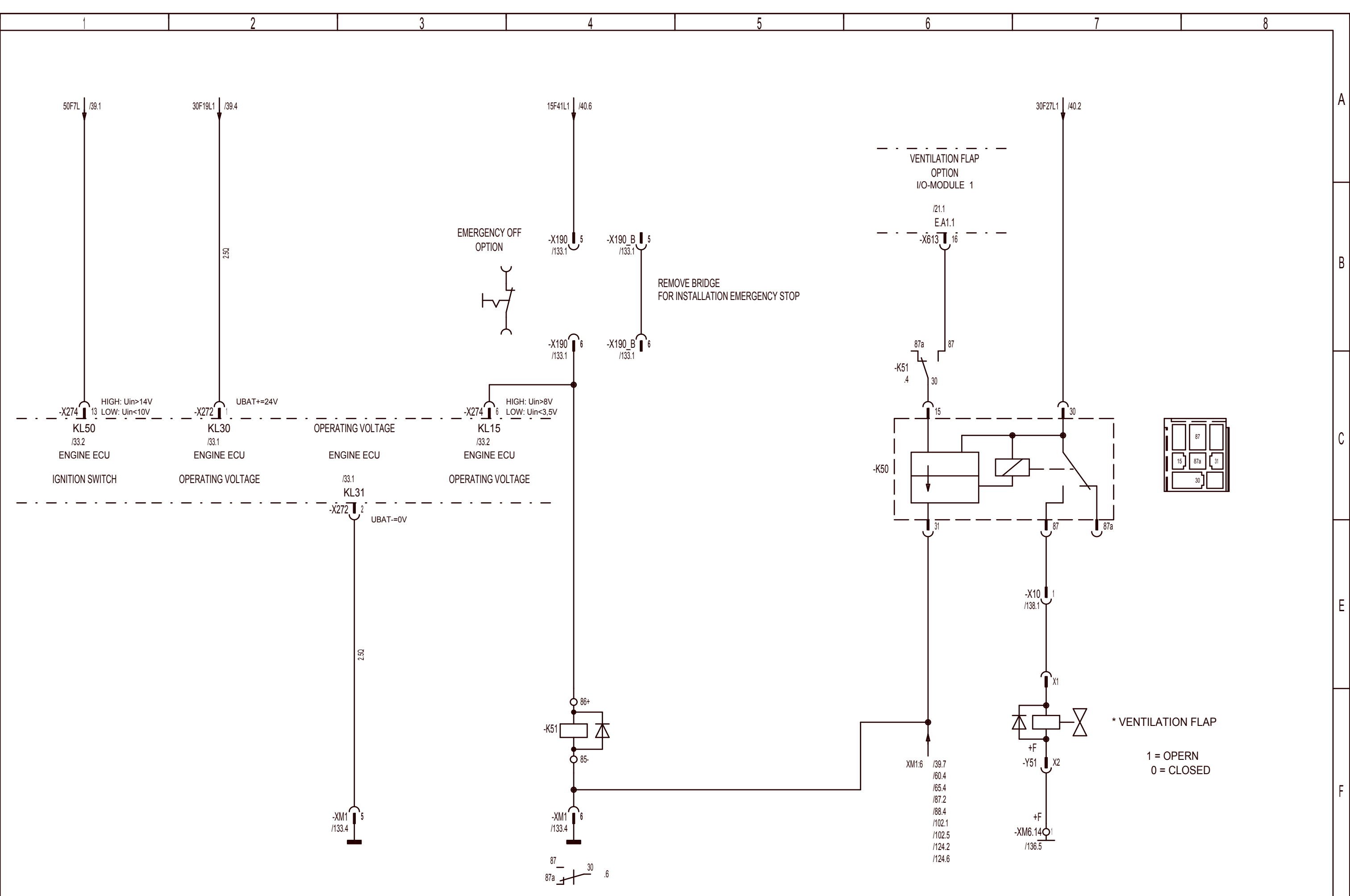




3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	SERIAL INTERFACE CAN	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	51
	Änderung	Datum	Name		Datum	Name	Copyright (c)		von		153	

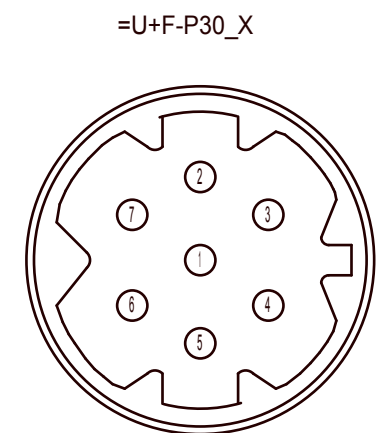


3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	STARTER , GENERATOR ,  AIR DRIER HEATING , WORKING HOUR METER	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	52
	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153



3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	ENGINE ELECTRONICS SUPPLY ,  * EMERGENCY OFF , * VENTILATION FLAP	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	53
	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153

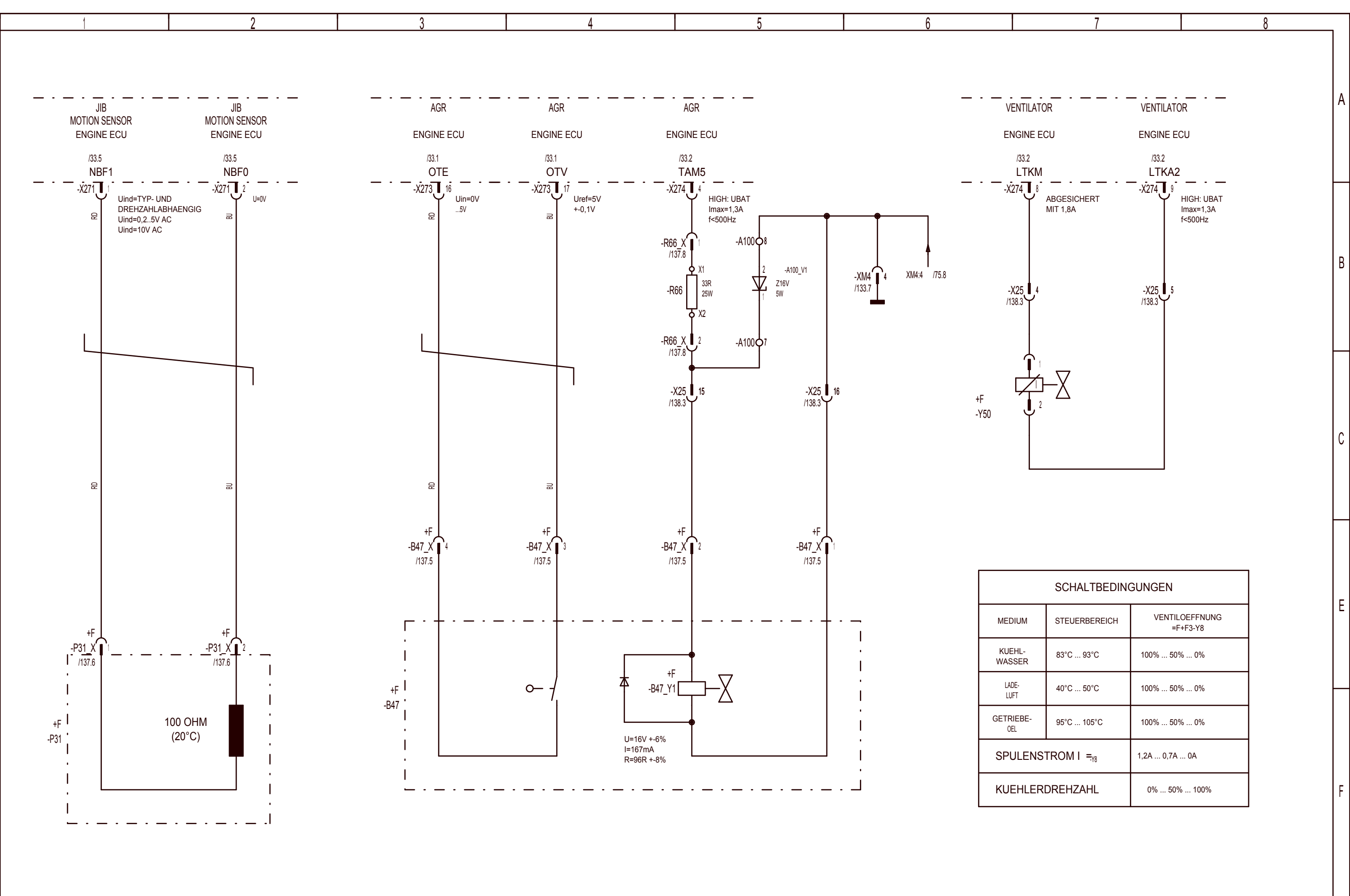
[illegible]



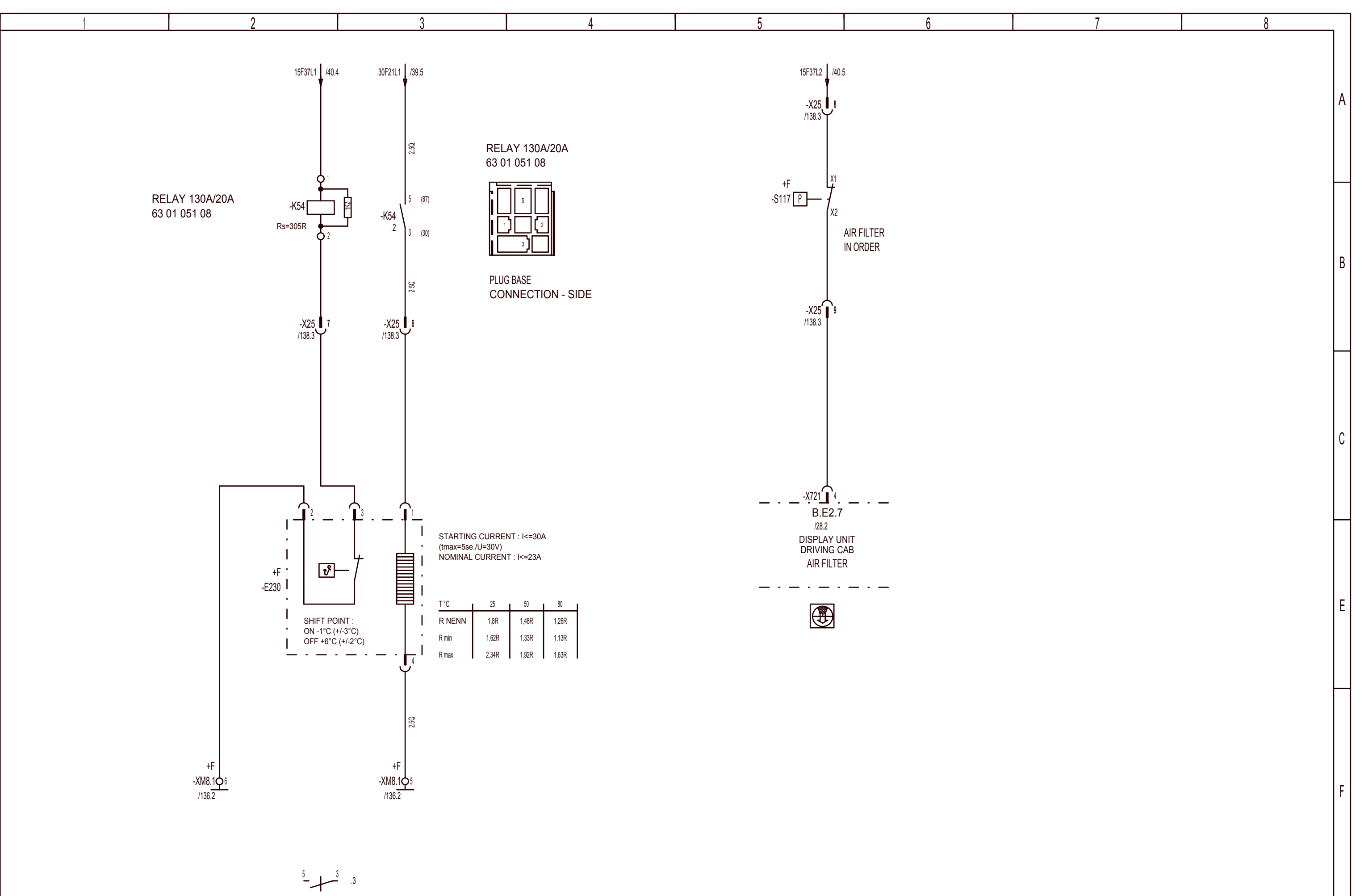
3				Gez.	08.03.05	Iwebem0	LIEBHERR WERK EHINGEN	ENGINE EDC CONTROL UNIT	Ident-Nr. 984583708	= U
2				Ausgabe	03.02.06	Iwerof0				
1										
	Änderung	Datum	Name		Datum	Name				



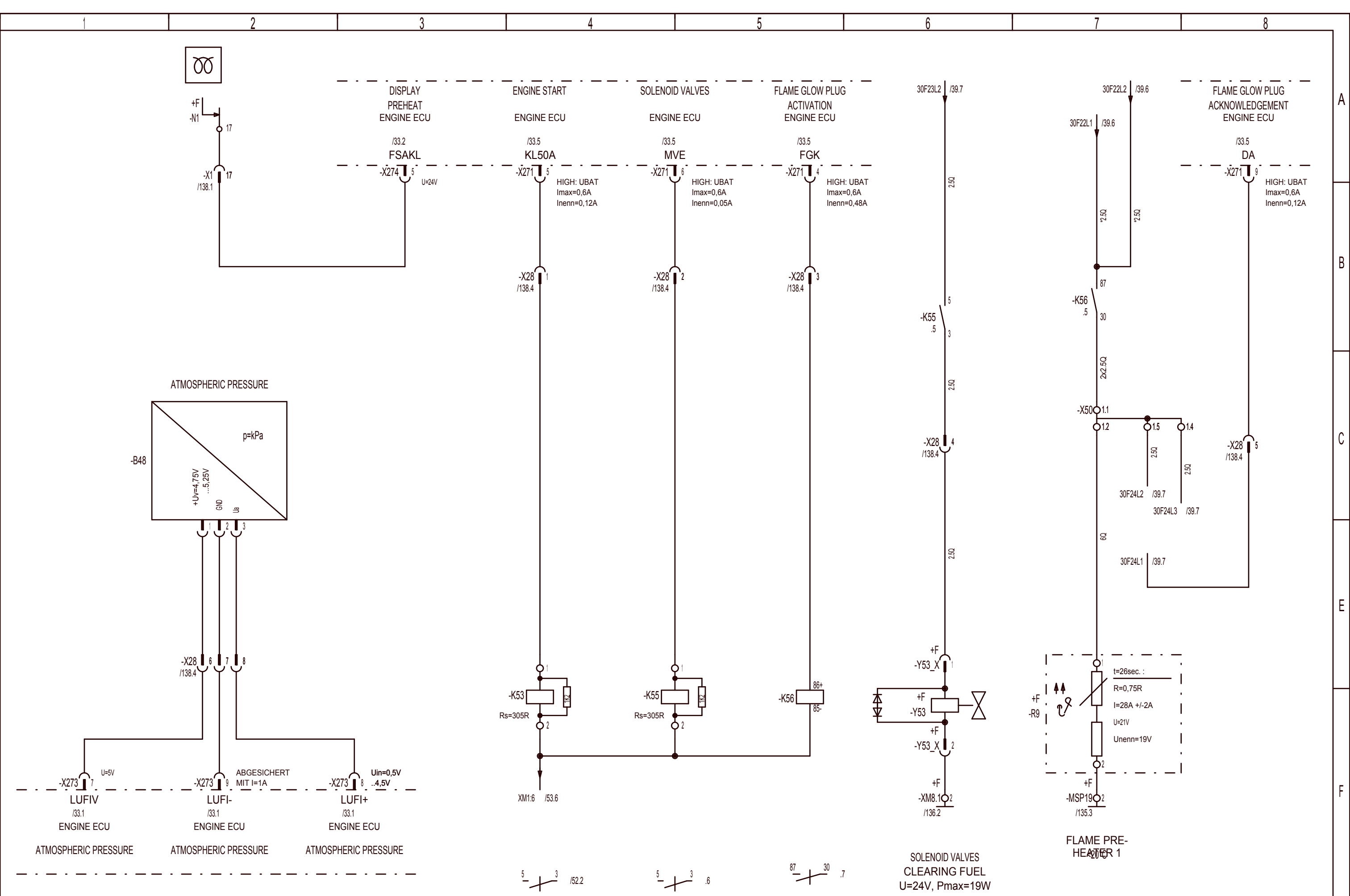




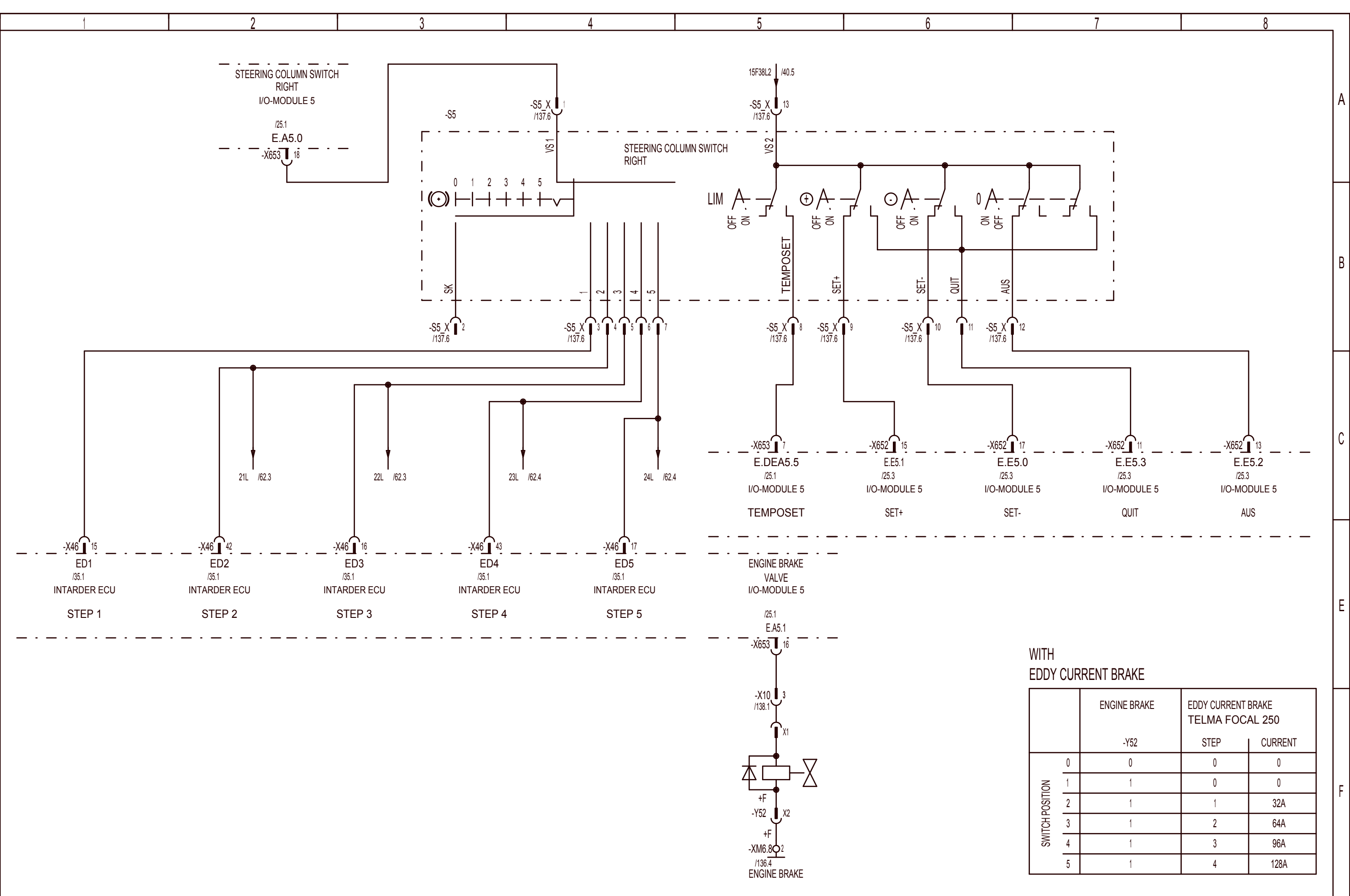




3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	ENGINE FUEL PREHEATING ,  AIR FILTER	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0					Zeich-Nr.	3272-920.06.01.000-002
1									Blatt	59		
	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153



3				Gez.	08.03.05	lwebem0	LIEBHERR WERK  EHINGEN	ENGINE FLAME GLOW PLUG ,  ENGINE AIR FILTER	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	60
	Änderung	Datum	Name		Datum	Name			Copyright (c)	von	153	

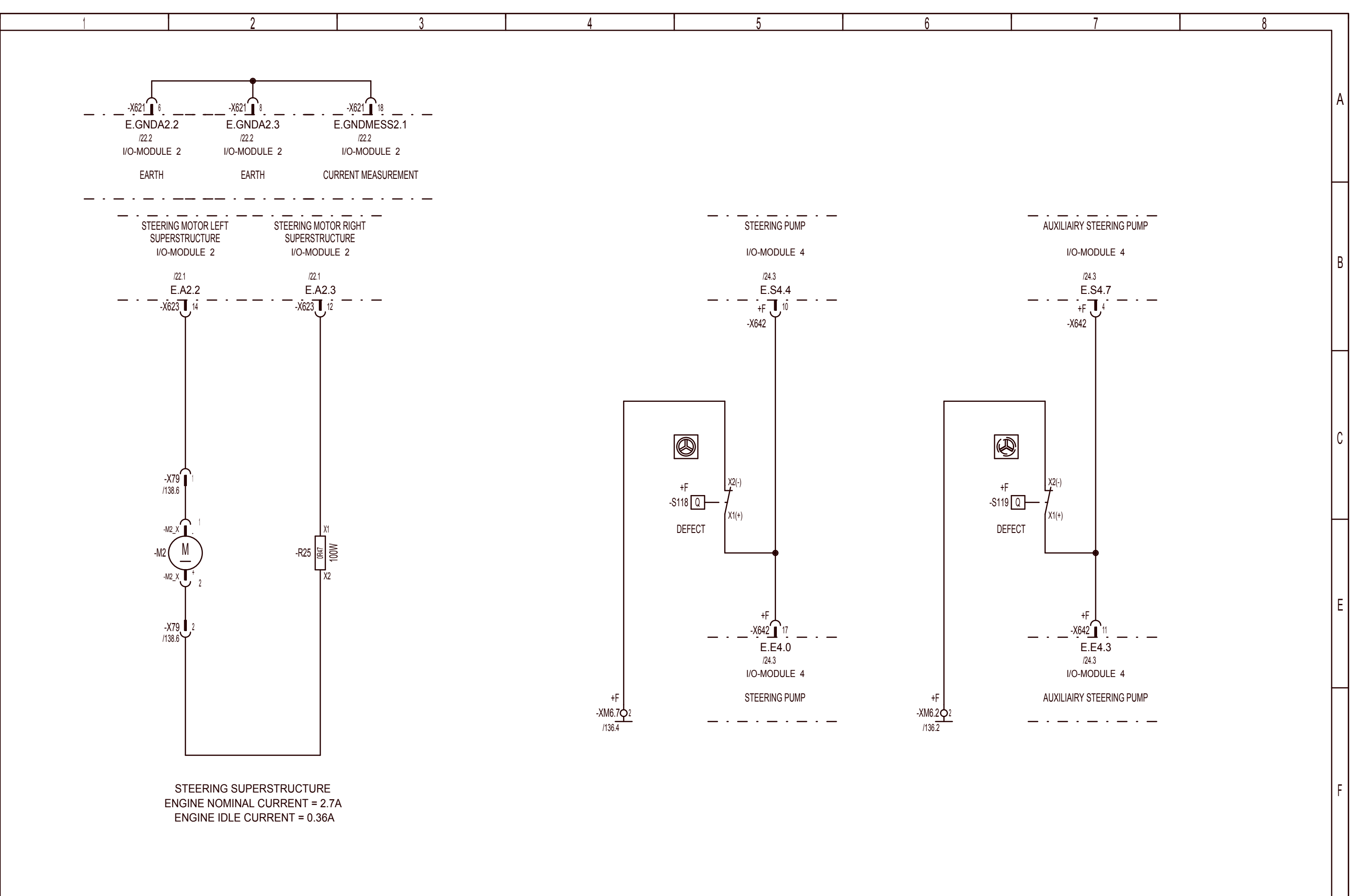


WITH  
EDDY CURRENT BRAKE

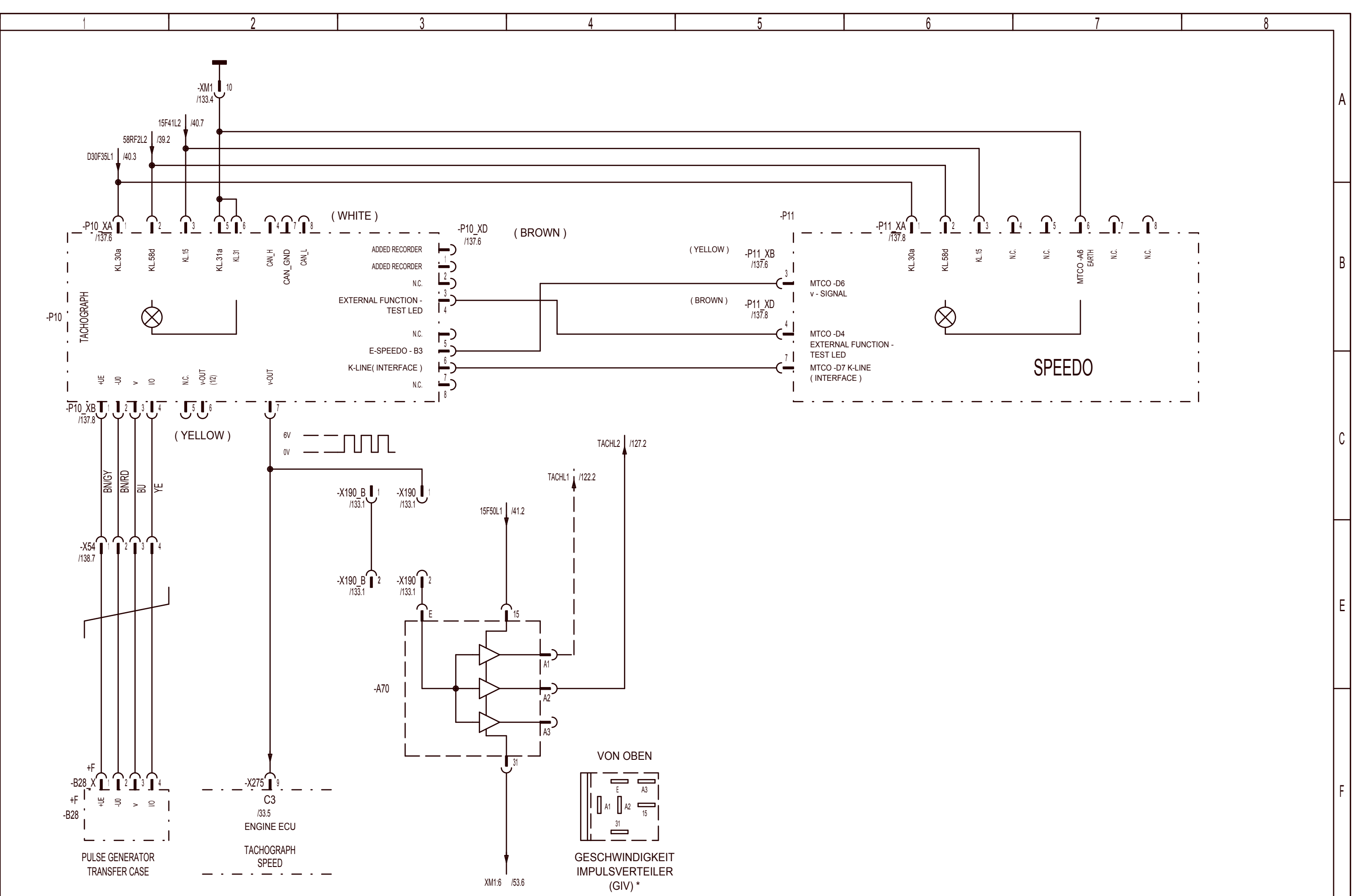
		ENGINE BRAKE		EDDY CURRENT BRAKE TELMA FOCAL 250	
		-Y52		STEP	CURRENT
SWITCH POSITION	0	0		0	0
	1	1		0	0
	2	1		1	32A
	3	1		2	64A
	4	1		3	96A
	5	1		4	128A



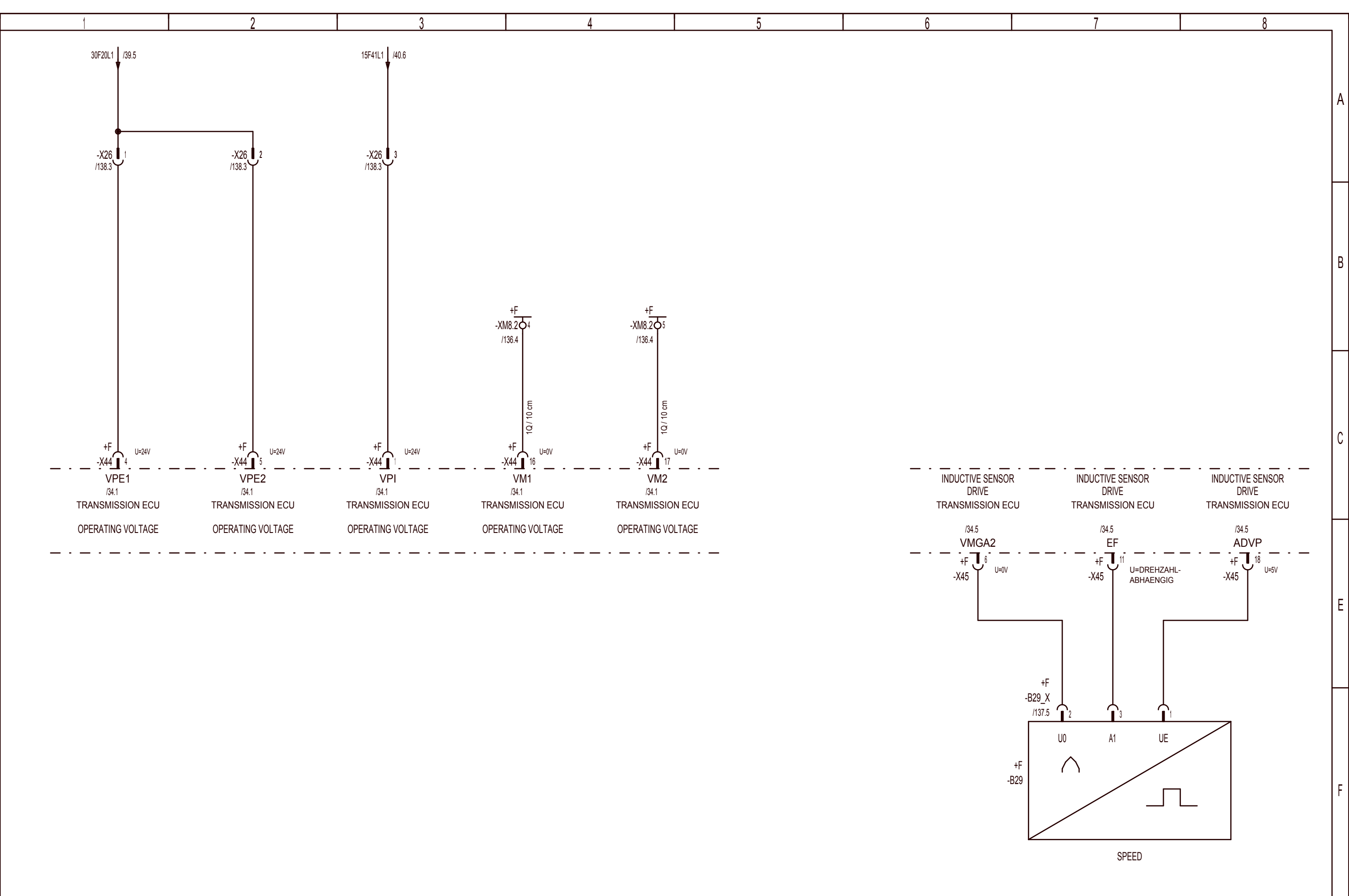




3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	STEERING PUMP , AUXILIAIRY STEERING PUMP ,  STEERING MOTOR SUPERSTRUCTURE	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	64
	Änderung	Datum	Name		Datum	Name	Copyright (c)			von	153	



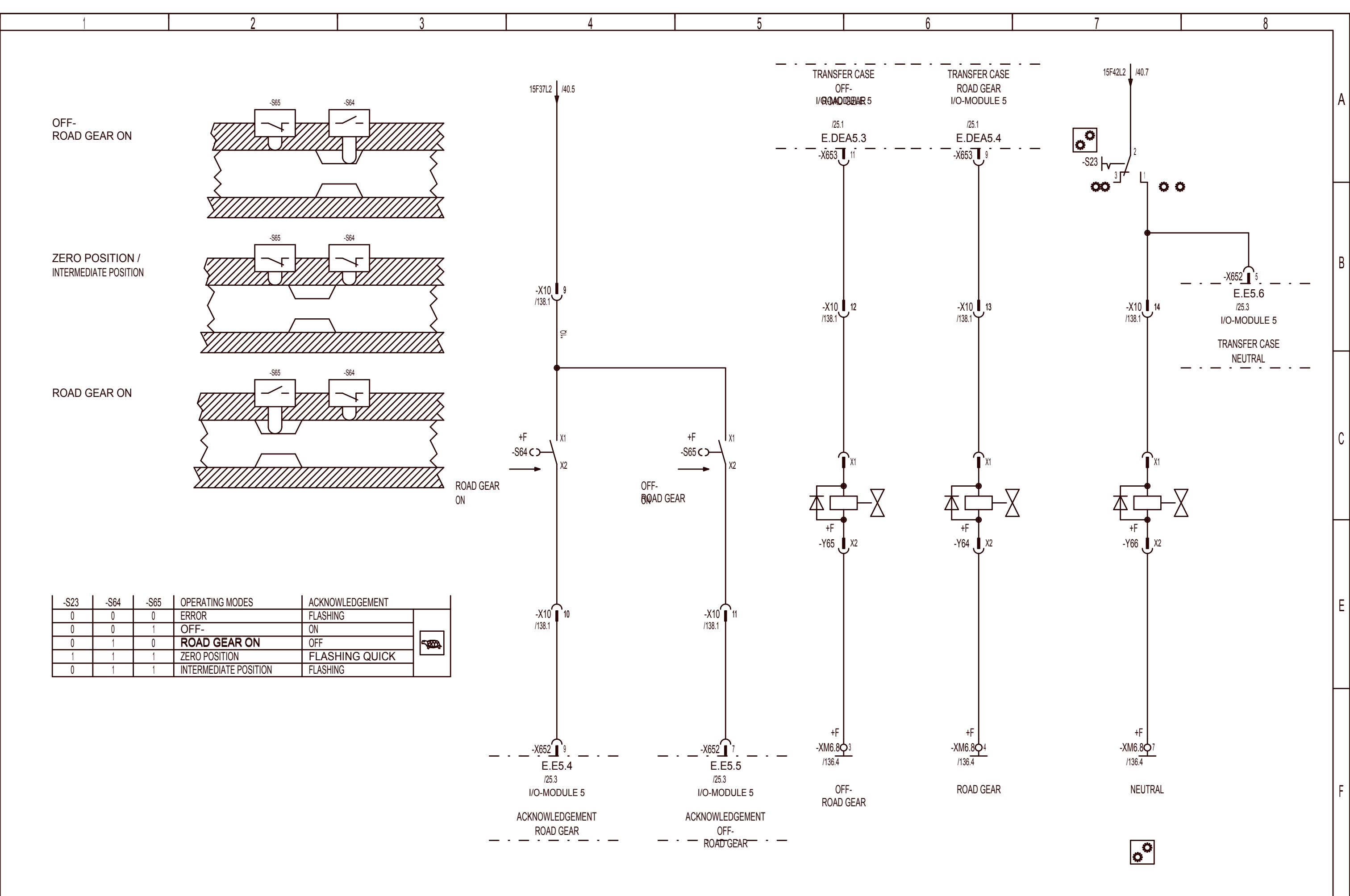
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	TACHOGRAPH , TACHOGRAPH	Ident-Nr.	984583708	=	U	
2				Ausgabe	03.02.06	lwerof0			EHINGEN	Zeich-Nr.	3272-920.06.01.000-002	+	H
1												Blatt	65
	Änderung	Datum	Name		Datum	Name	Copyright (c)						von



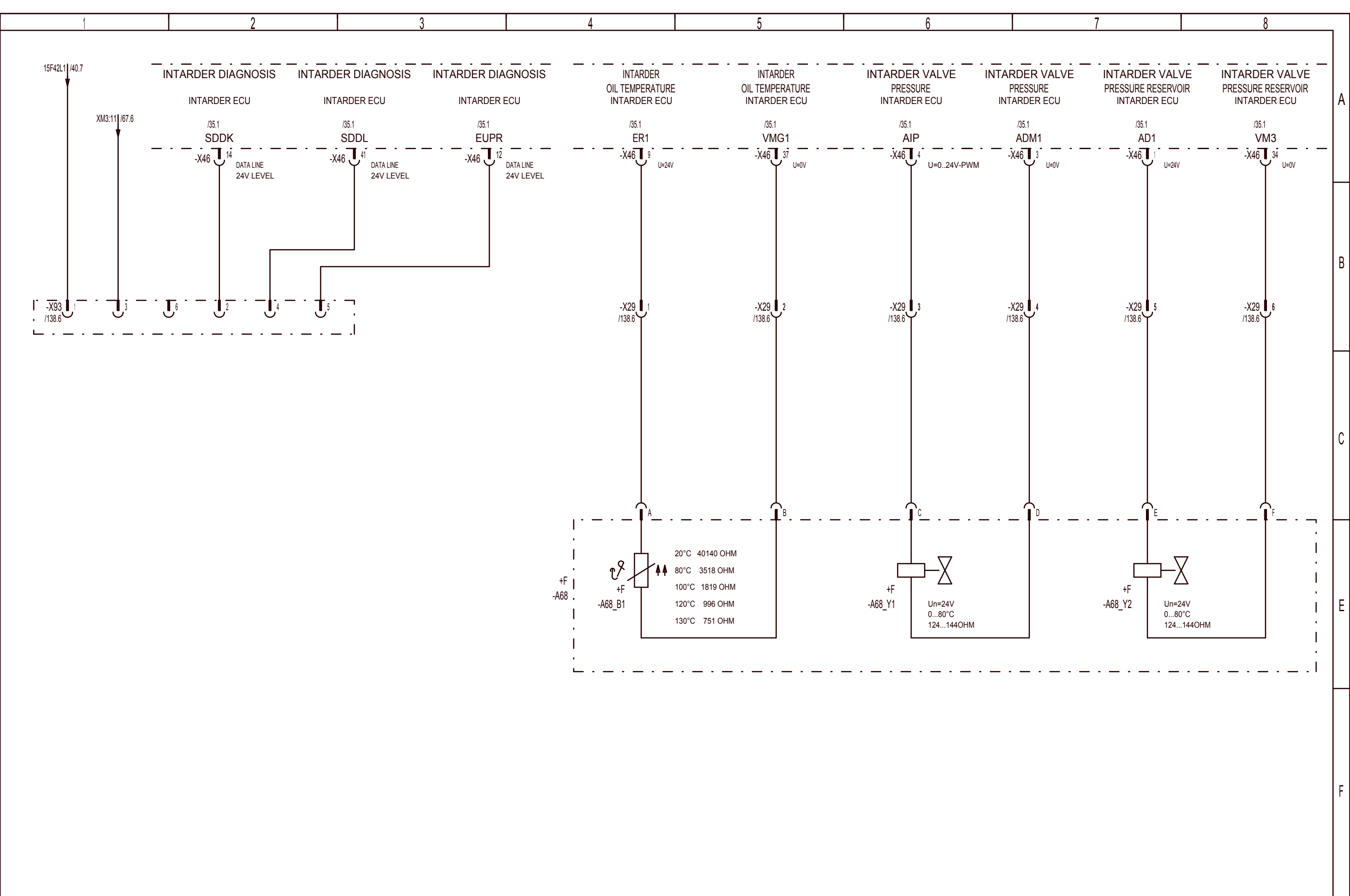
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	TRANSMISSION ECU VOLTAGE SUPPLY ,  TRANSMISSION INDUCTIVE TRANSMITTER OUTPUT	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	66
	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153





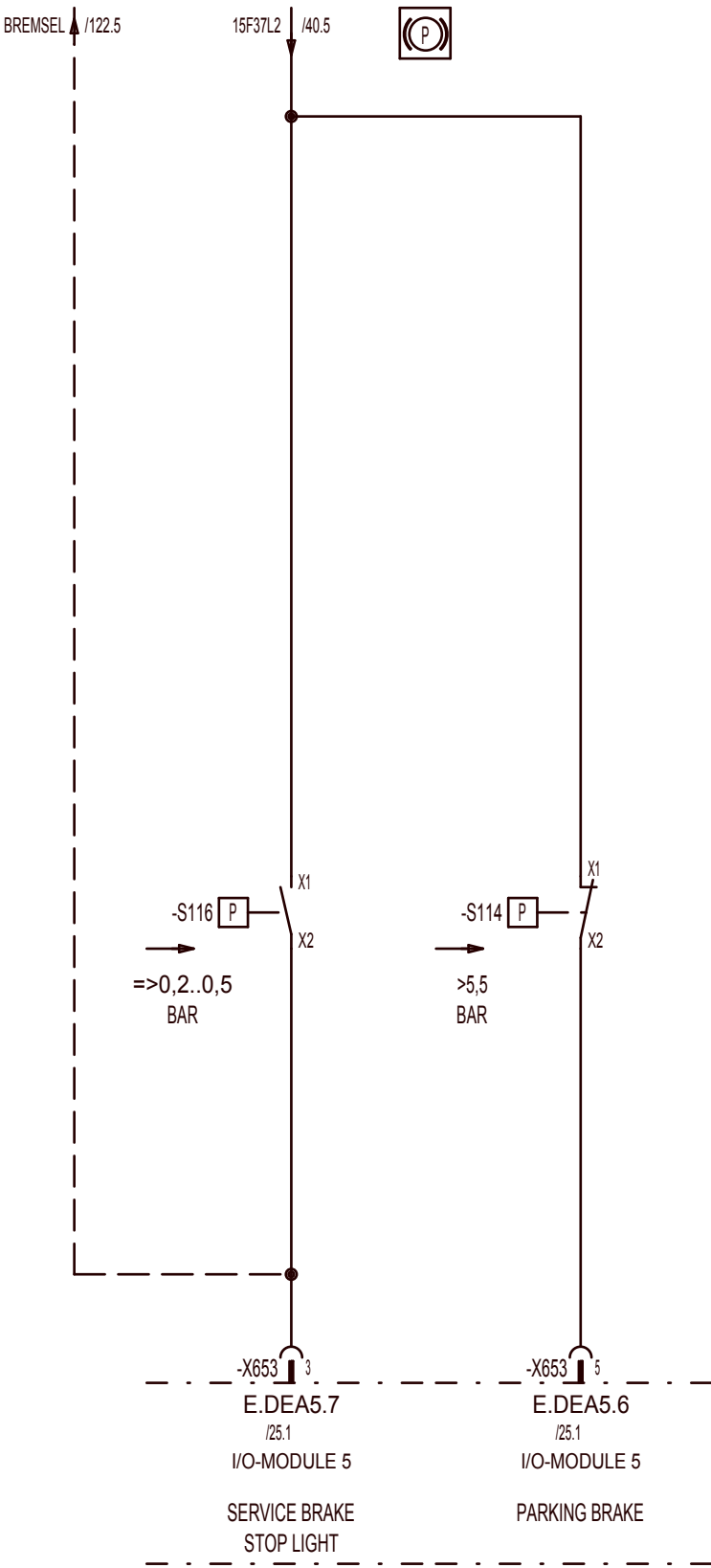
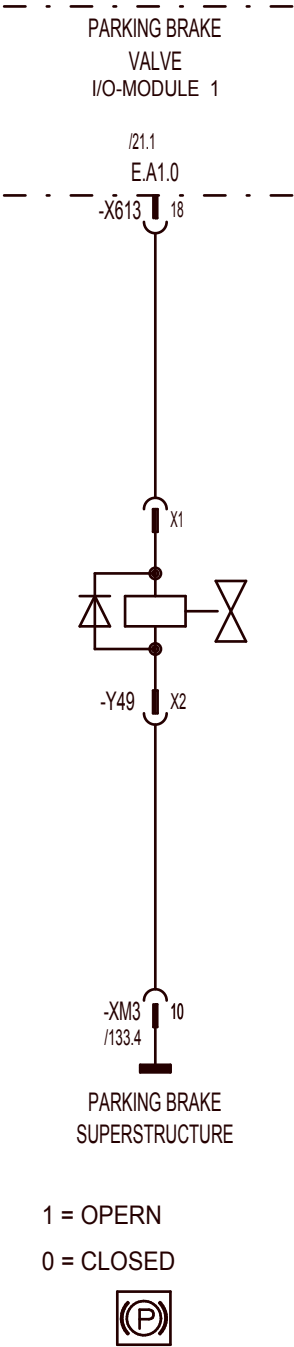




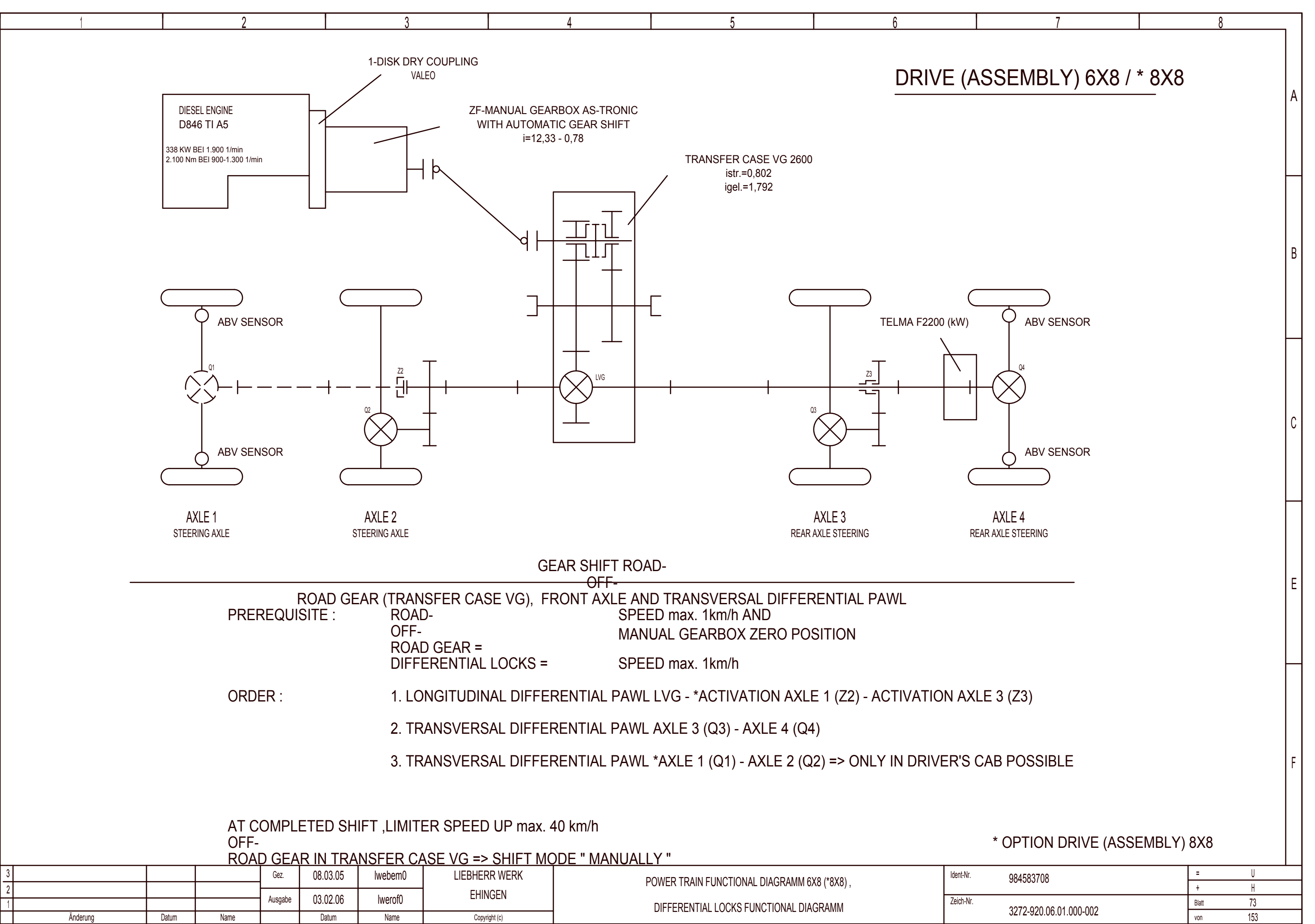


3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	INTARDER DIAGNOSIS , INTARDER VALVES ,  INTARDER TEMPERATURE SENSOR	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0					+	H
1									Blatt	70		
	Änderung	Datum	Name		Datum	Name	Copyright (c)				3272-920.06.01.000-002	von

	CHANGE OVER SUPERSTRUCTURE / EXCESS PRESSURE	VALVE PARKING BRAKE SUPERSTRUCTURE	IGNITION EXCESS PRESSURE	IGNITION SUPERSTRUCTURE	ENGINE D+	LICCON SLI	SWITCH PARKING BRAKE OPERATOR'S CAB	SWITCH TRAVELLING DIRECTION
PARKING BRAKE SUPERSTRUCTURE = OPERN	SUPERSTRUCTURE	LEFT	OFF	ON	ON	ON	ON	FORWARD OR BACKWARDS
PARKING BRAKE SUPERSTRUCTURE = OPERN	EXCESS PRESSURE	WITHOUT FUNCTION						

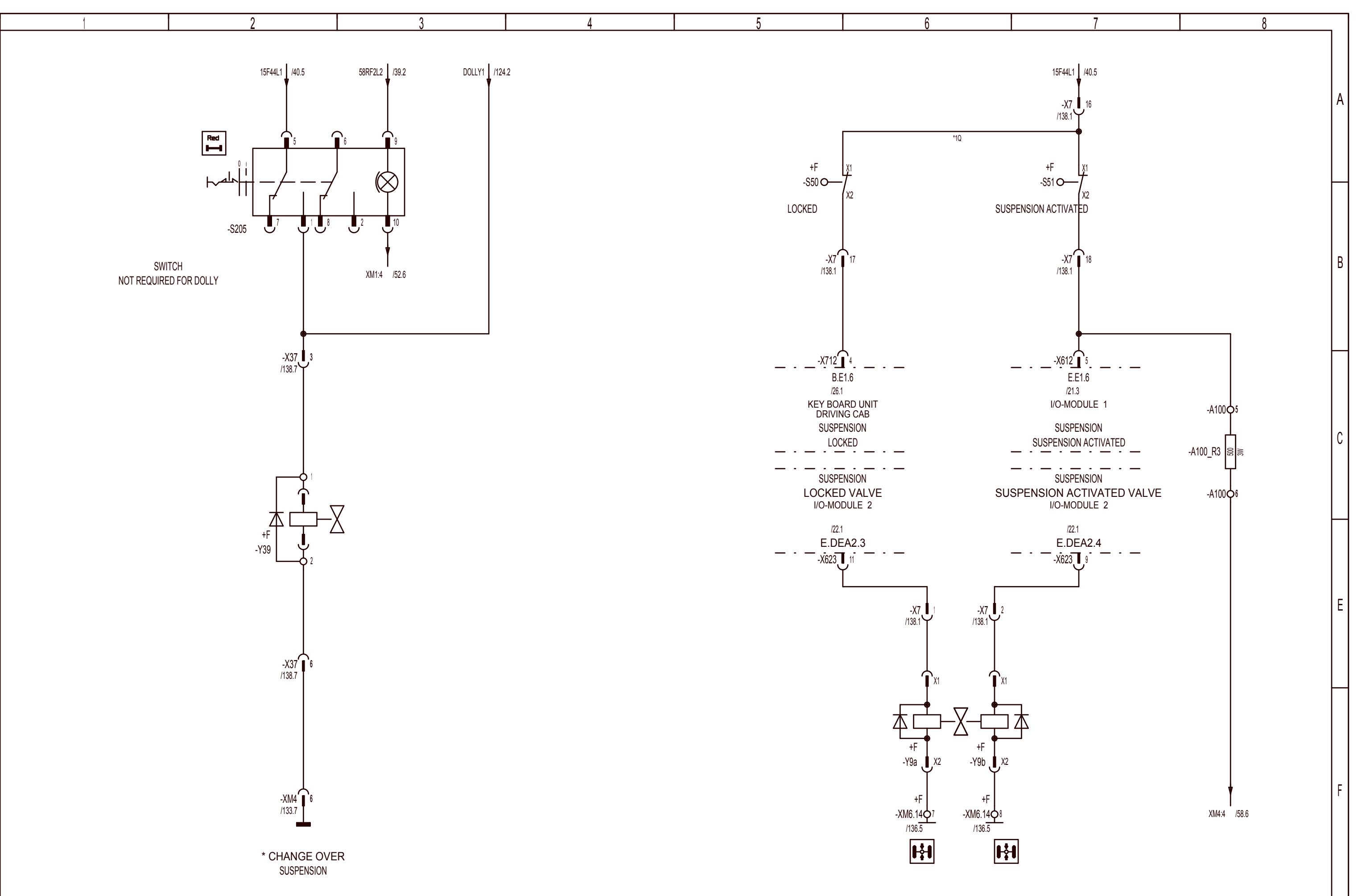






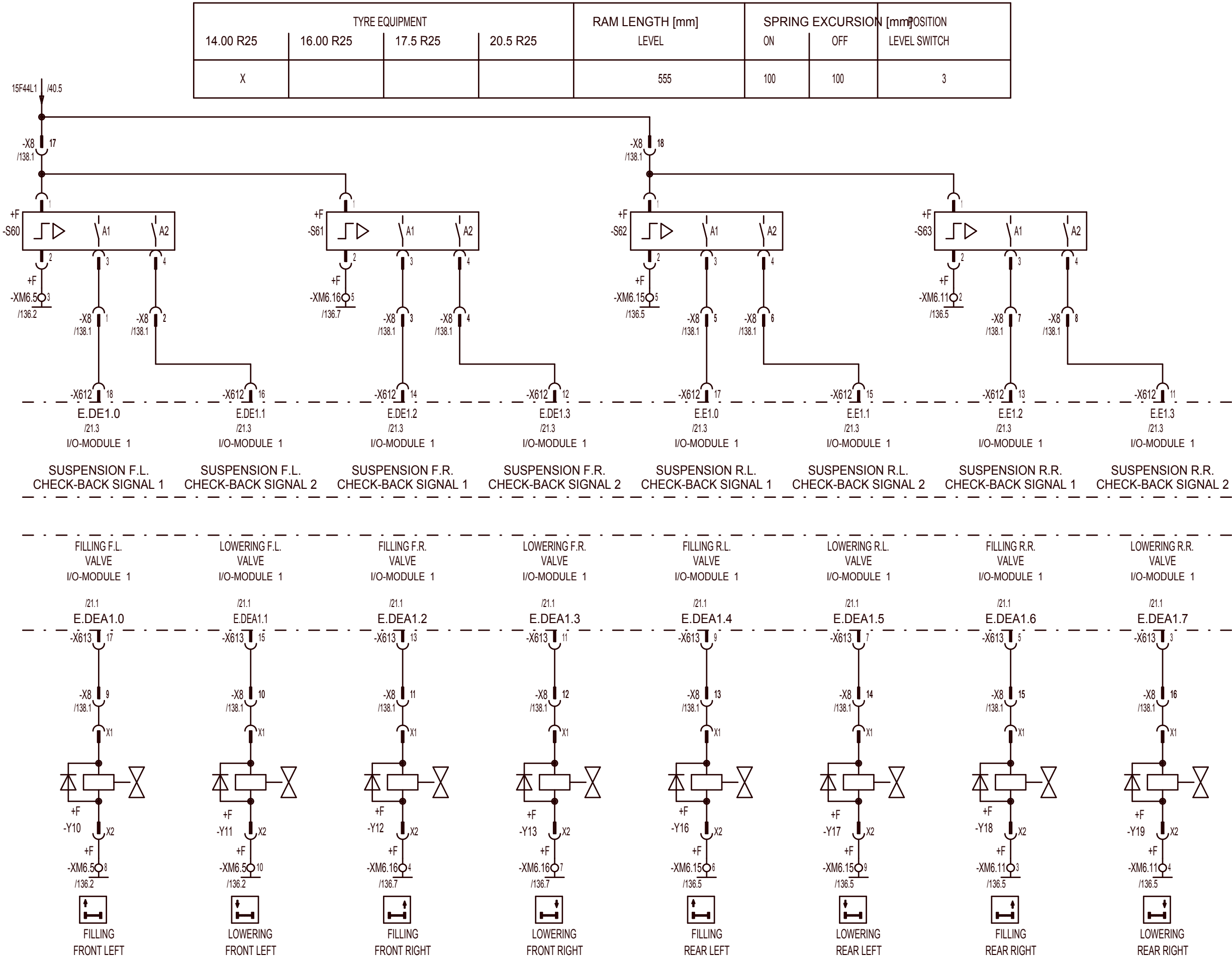






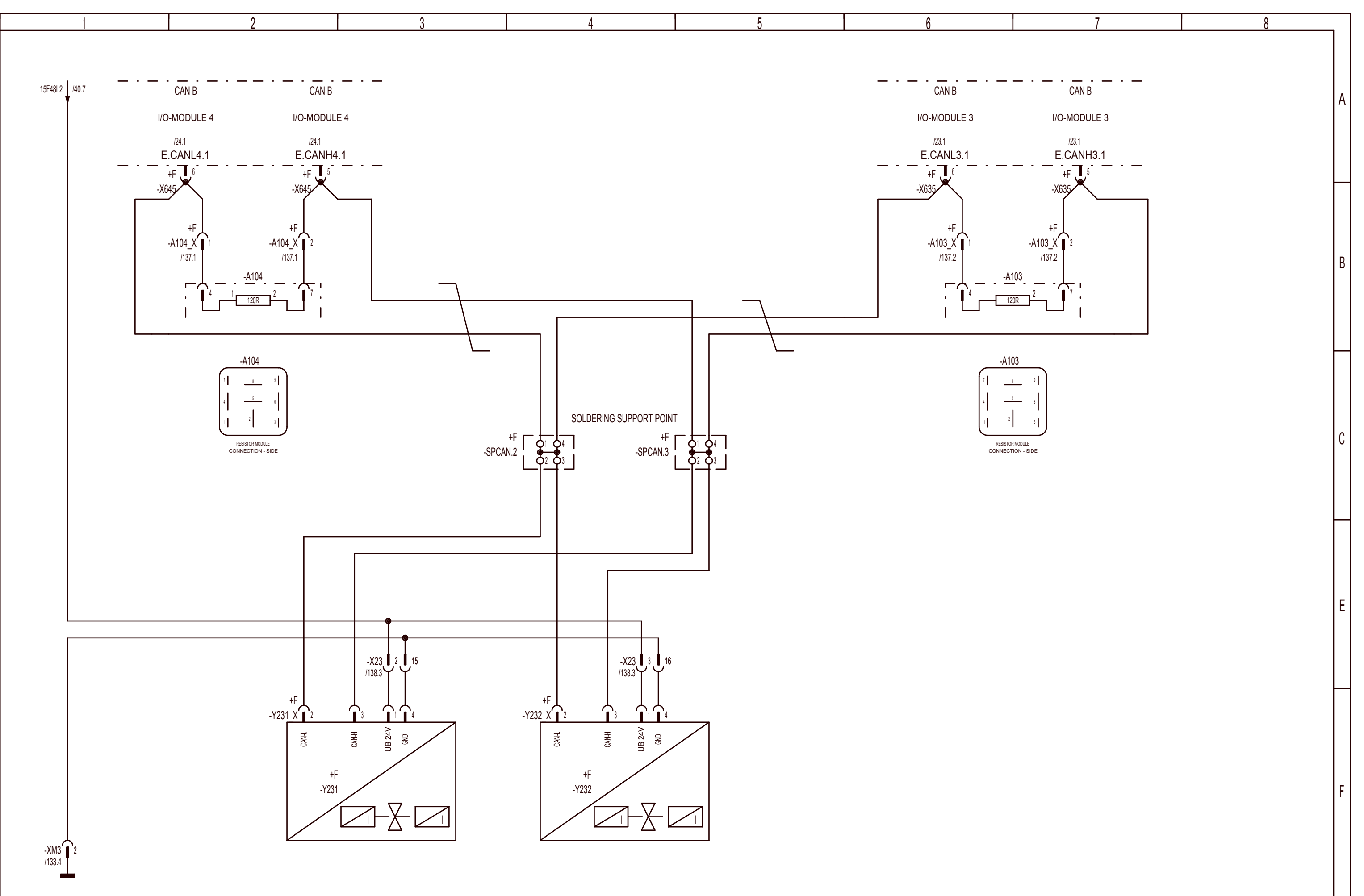
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	SUSPENSION LOCKED / SUSPENSION ACTIVATED ,  * CHANGE OVER SUSPENSION	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	75
	Änderung	Datum	Name		Datum	Name	Copyright (c)			von	153	

A2	0	1	0	1
A1	0	0	1	1
VEHICLE RAISED / LEVEL ==> LOWERING				
VEHICLE LEVEL				
ERROR				
VEHICLE LOWERED / LEVEL ==> RAISING				

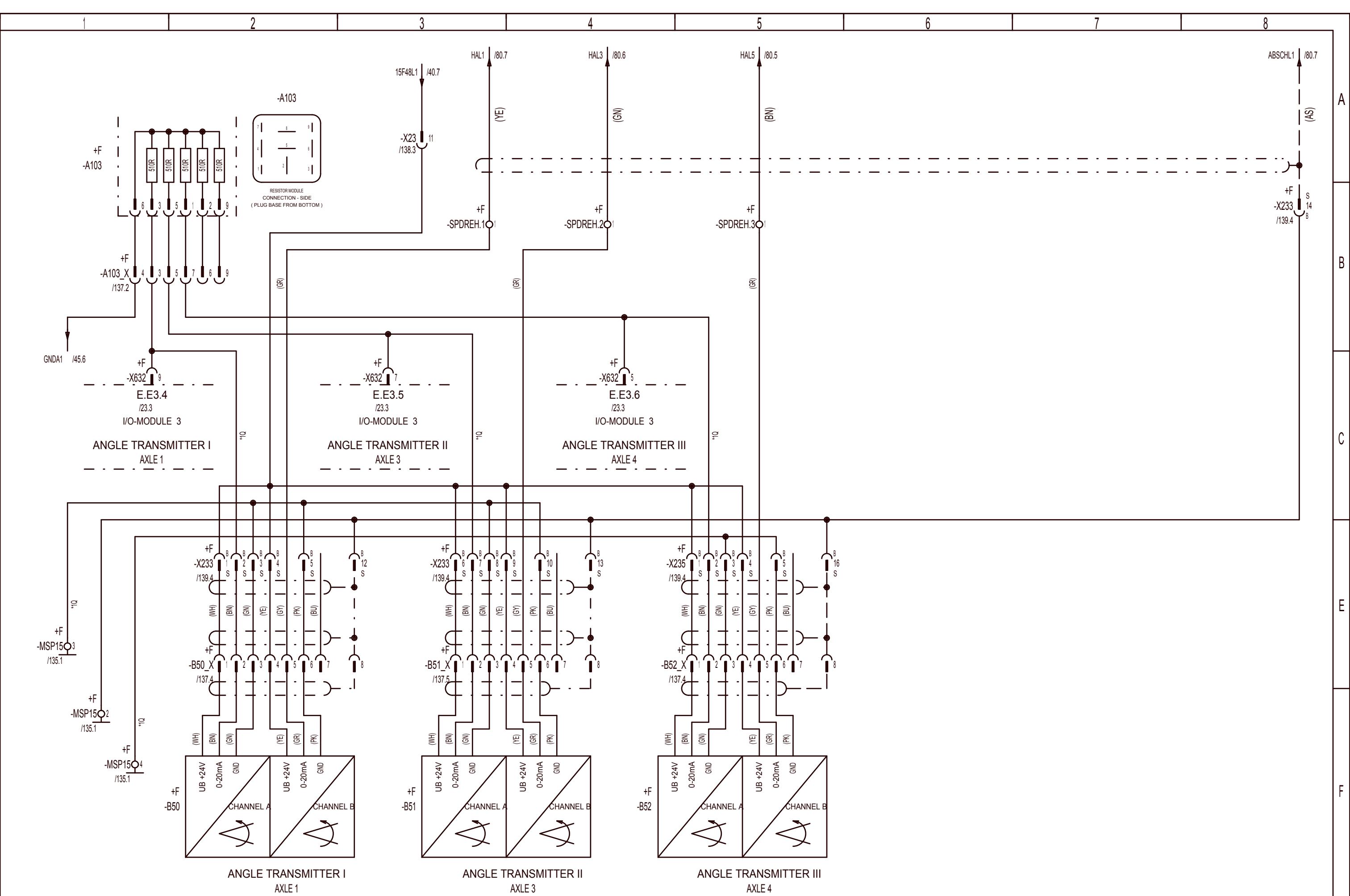


3			Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	SUSPENSION	Ident-Nr.	984583708	=	U
2			Ausgabe	03.02.06	lwerof0			+	H		
1								Zeich-Nr.	3272-920.06.01.000-002	Blatt	76
	Änderung	Datum	Name	Datum	Name	Copyright (c)		von	153		

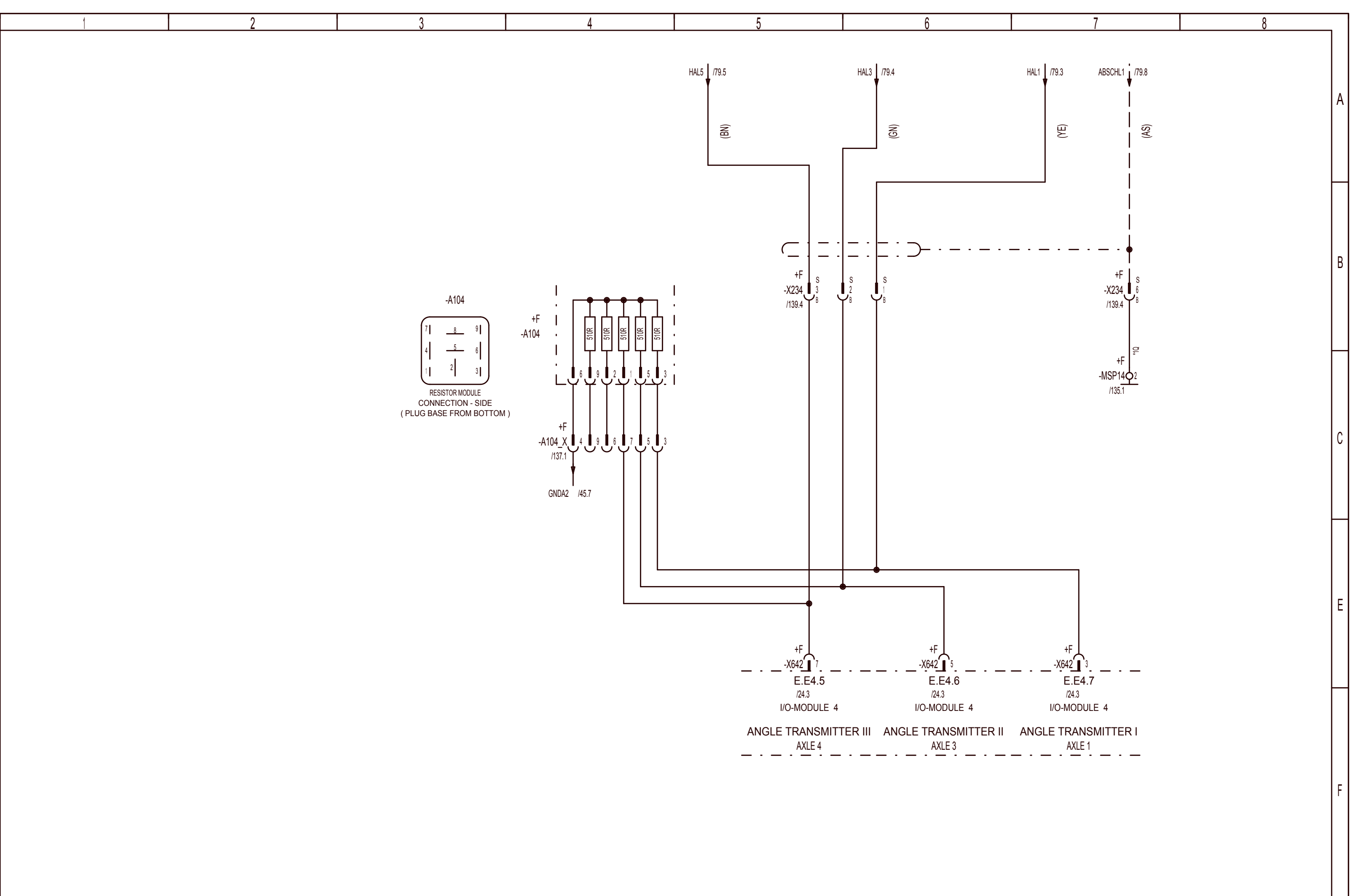




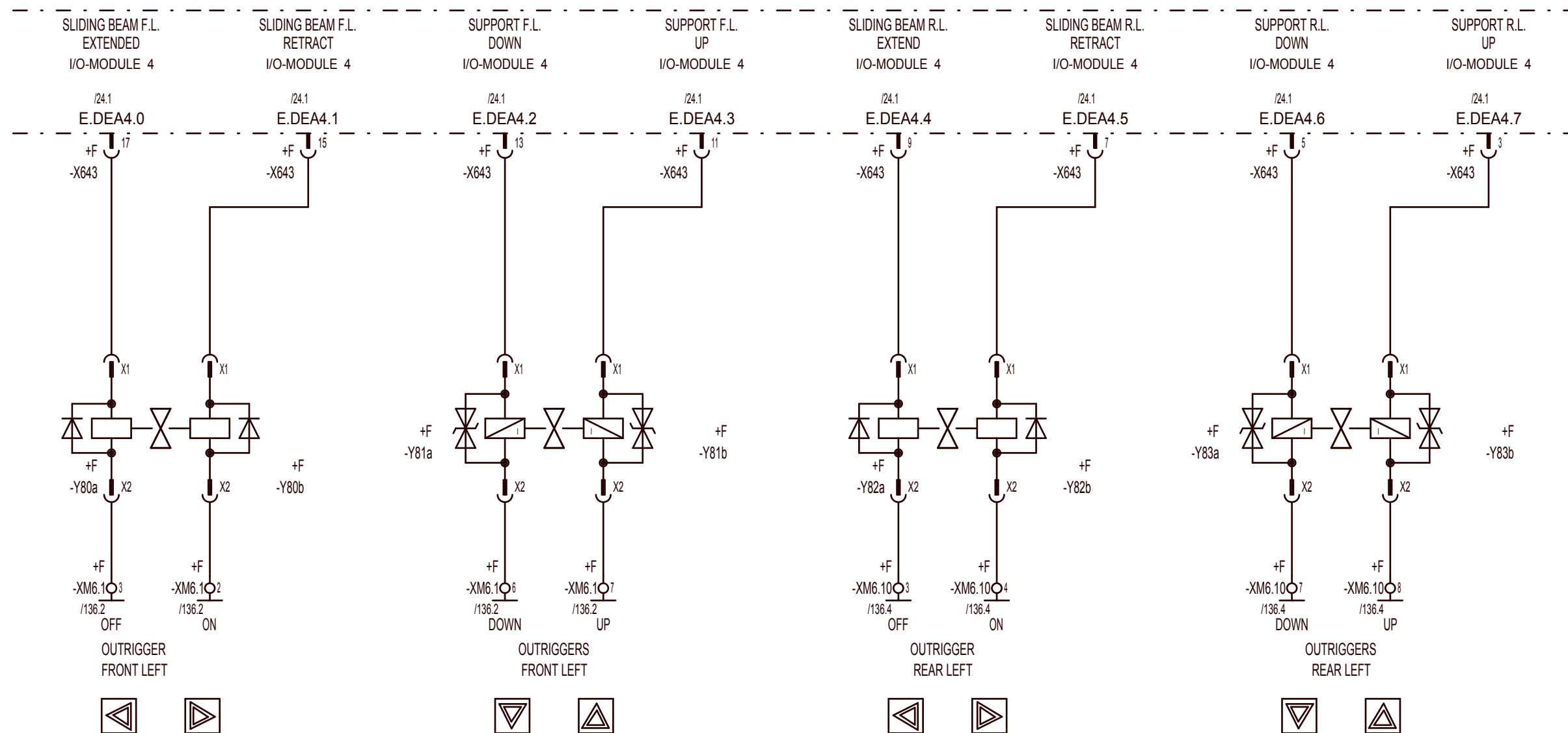
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	REAR AXLE STEERING	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Blatt	78		
	Änderung	Datum	Name							Datum	Name	Copyright (c)



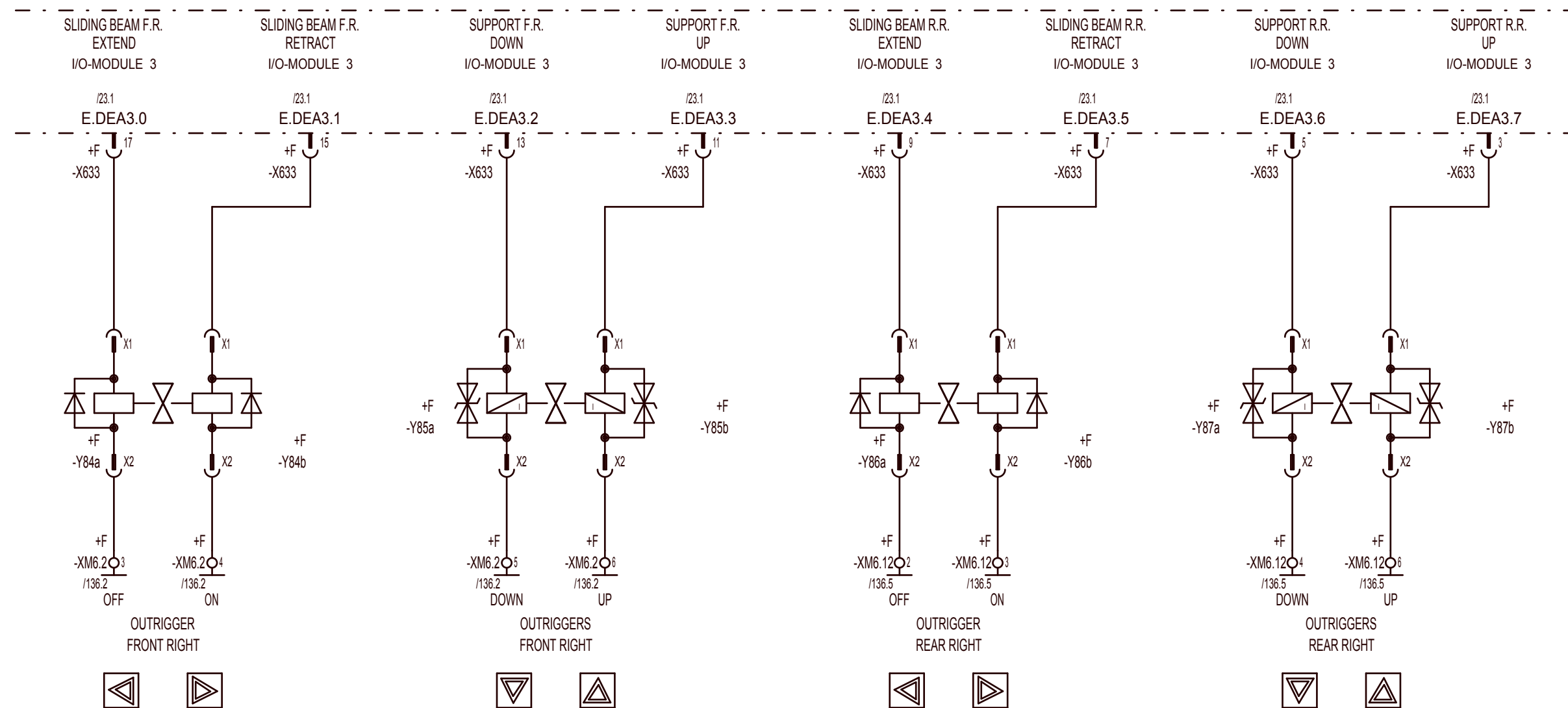
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	REAR AXLE STEERING	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	79
	Änderung	Datum	Name		Datum	Name	Copyright (c)		von		153	



3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	REAR AXLE STEERING	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	80
	Änderung	Datum	Name		Datum	Name	Copyright (c)		von	153		



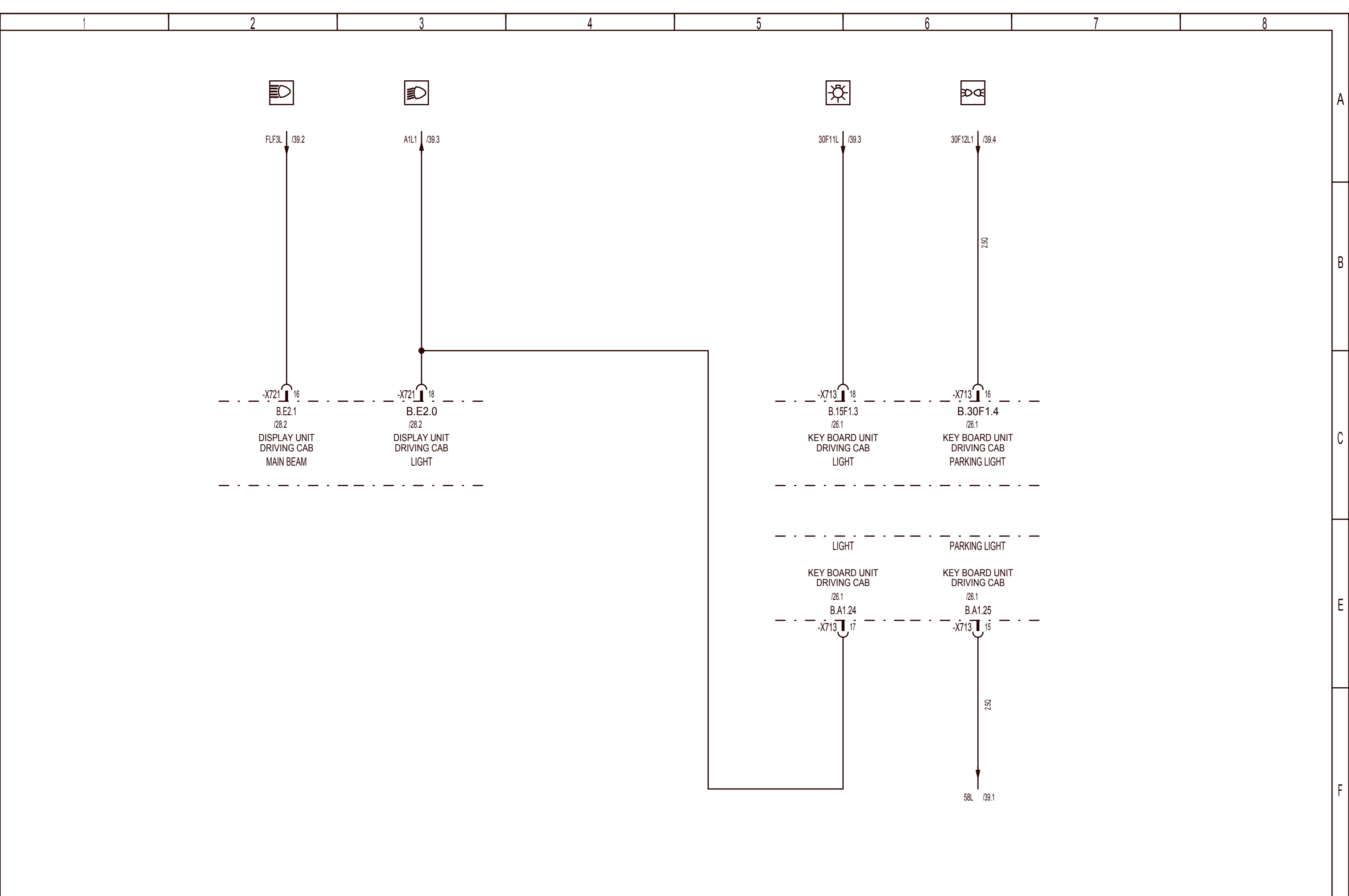
3			Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	OUTRIGGERS LEFT	Ident-Nr.	984583708	=	U
2			Ausgabe	03.02.06	lwerof0			+	H		
1								Zeich-Nr.	3272-920.06.01.000-002	Blatt	81
	Änderung	Datum	Name	Datum	Name	Copyright (c)		von	153		



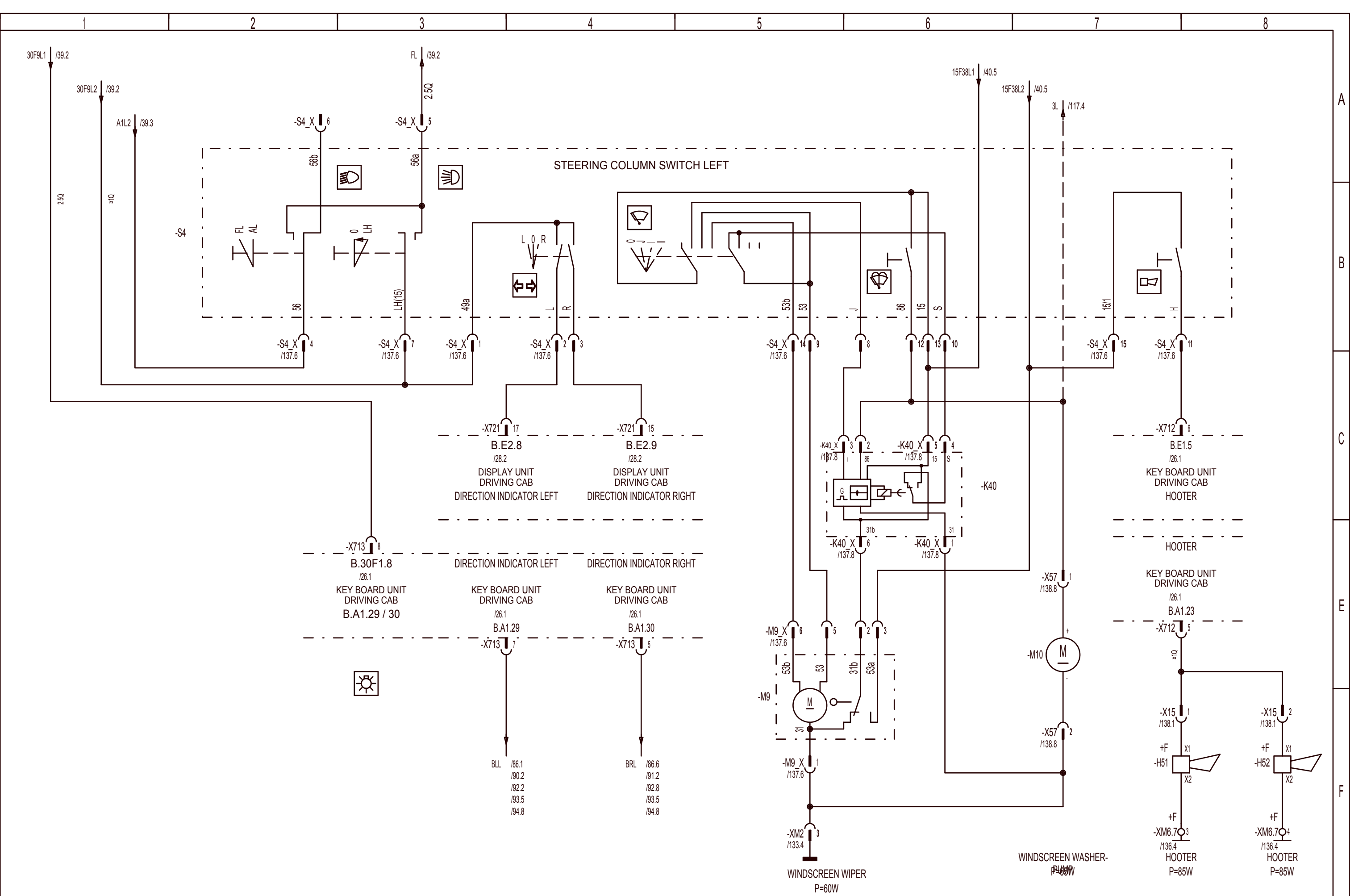
3			Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	OUTRIGGERS RIGHT	Ident-Nr.	984583708	=	U	
2			Ausgabe	03.02.06	lwerof0			EHINGEN	Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	82
	Änderung	Datum	Name	Datum	Name	Copyright (c)		von	153			



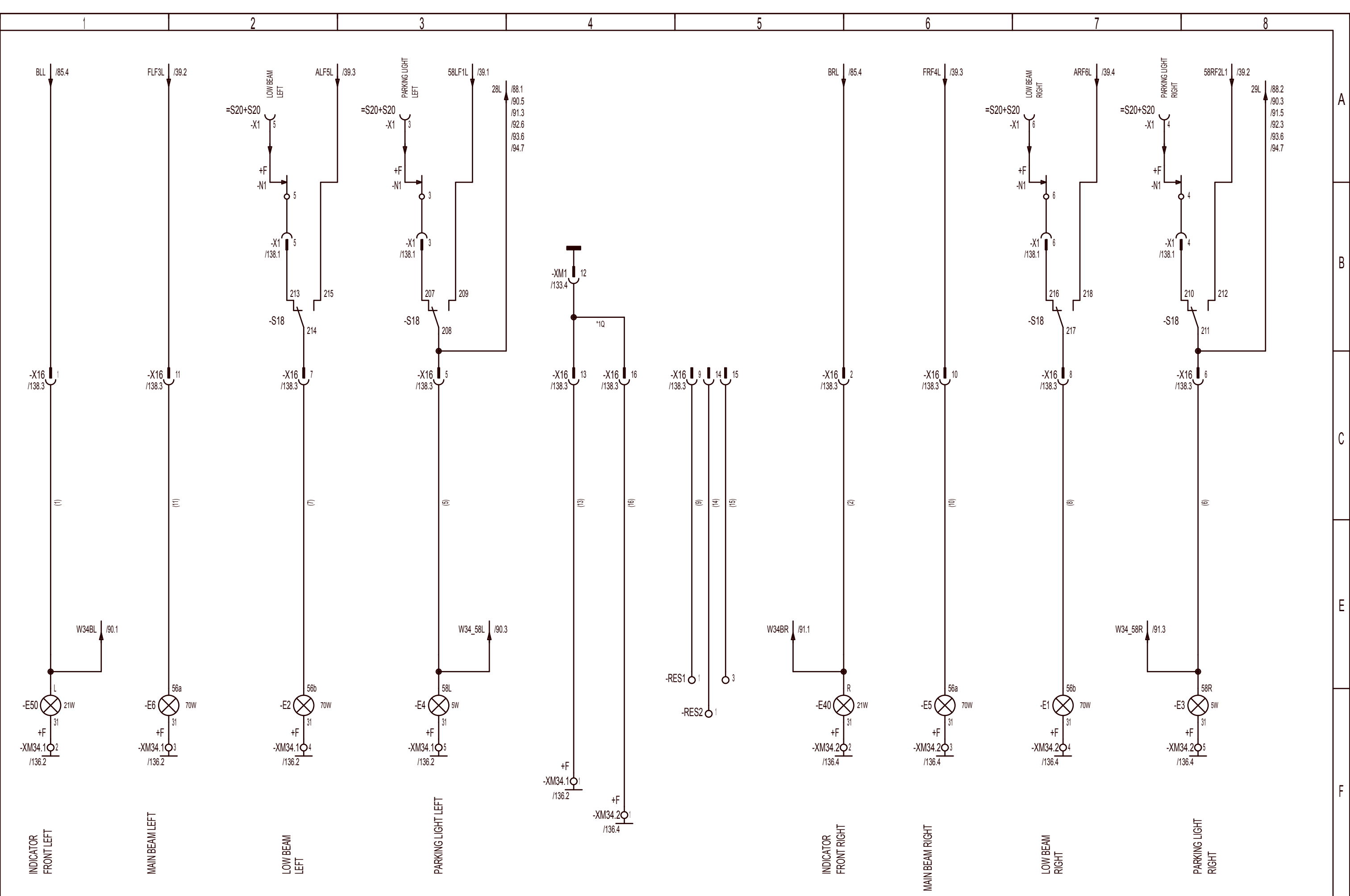
3			Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	OIL SUPPLY SUSPENSION / OUTRIGGERS	Ident-Nr.	984583708	=	U
2			Ausgabe	03.02.06	lwerof0			+	H		
1								Zeich-Nr.	3272-920.06.01.000-002	Blatt	83
	Änderung	Datum						Name	Datum	Name	Copyright (c)



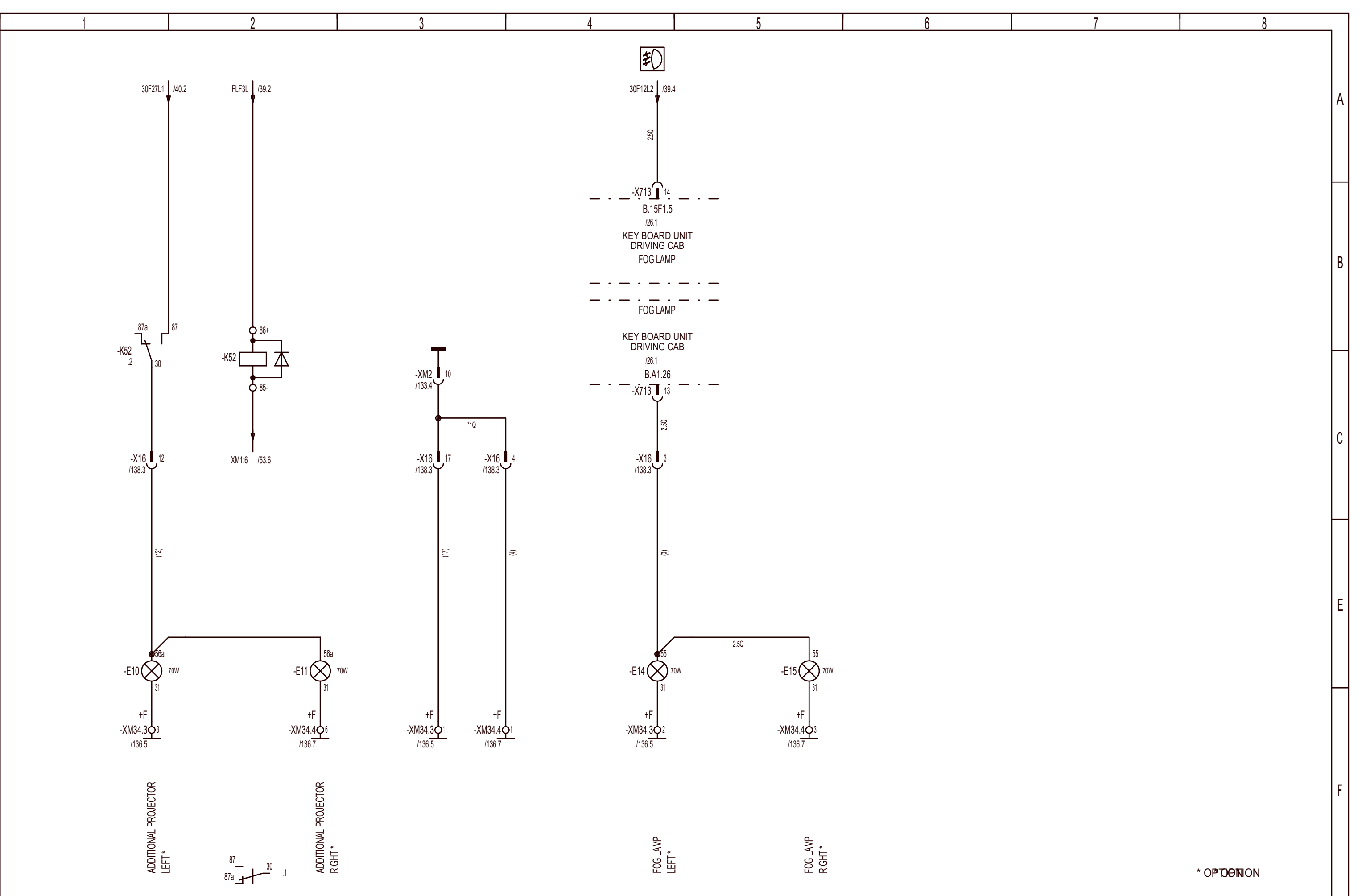
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK  EHINGEN	LIGHTING		Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0				+	H		
1										Zeich-Nr.	3272-920.06.01.000-002	Blatt	84
	Änderung	Datum	Name		Datum	Name				Copyright (c)	von	153	



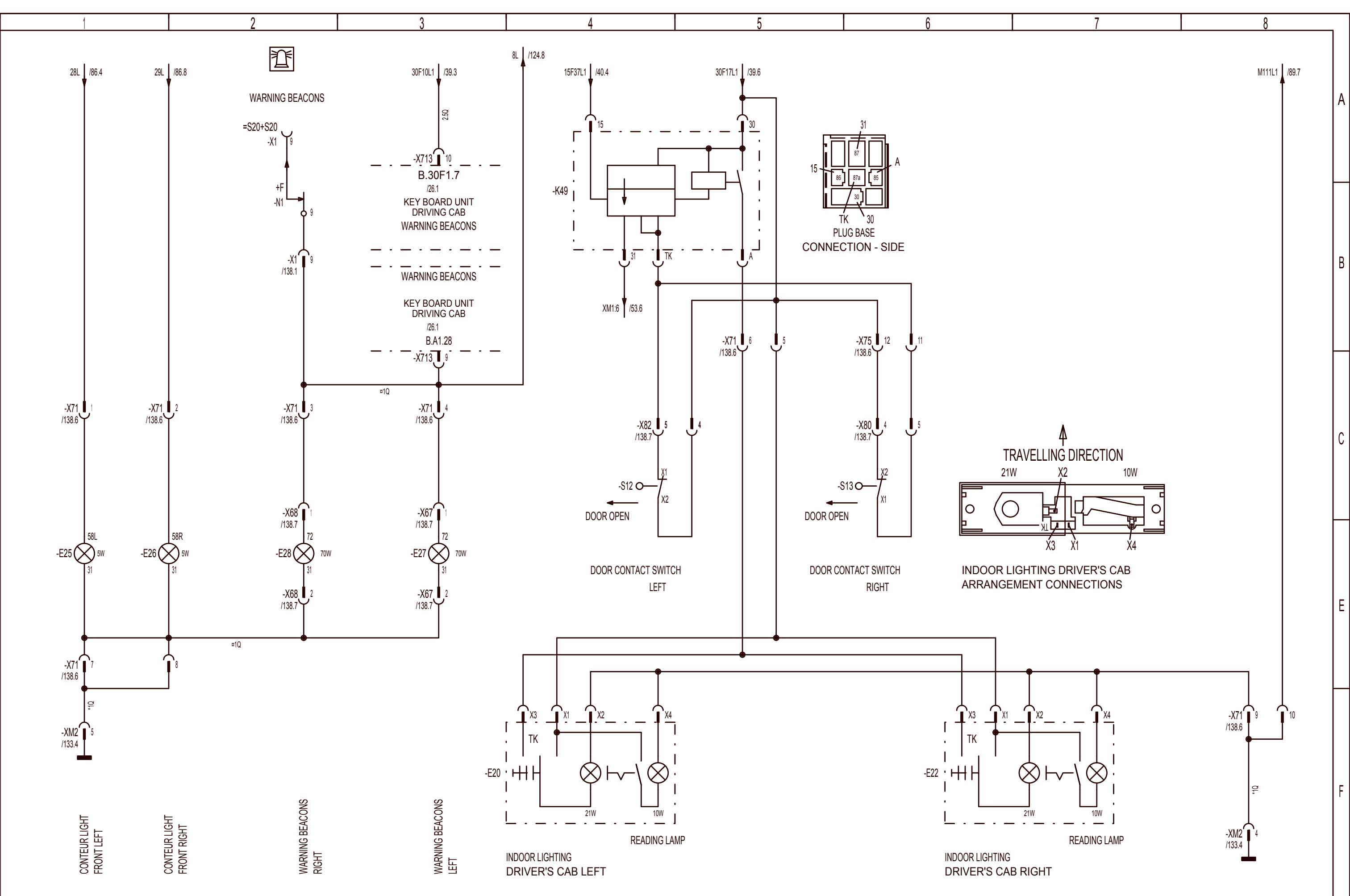
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	STEERING COLUMN SWITCH LEFT ,  WINDSCREEN WIPER , HOOTER	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	85
	Änderung	Datum	Name		Datum	Name					Copyright (c)	von



3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	LIGHTING  FRONT	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	86
	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153



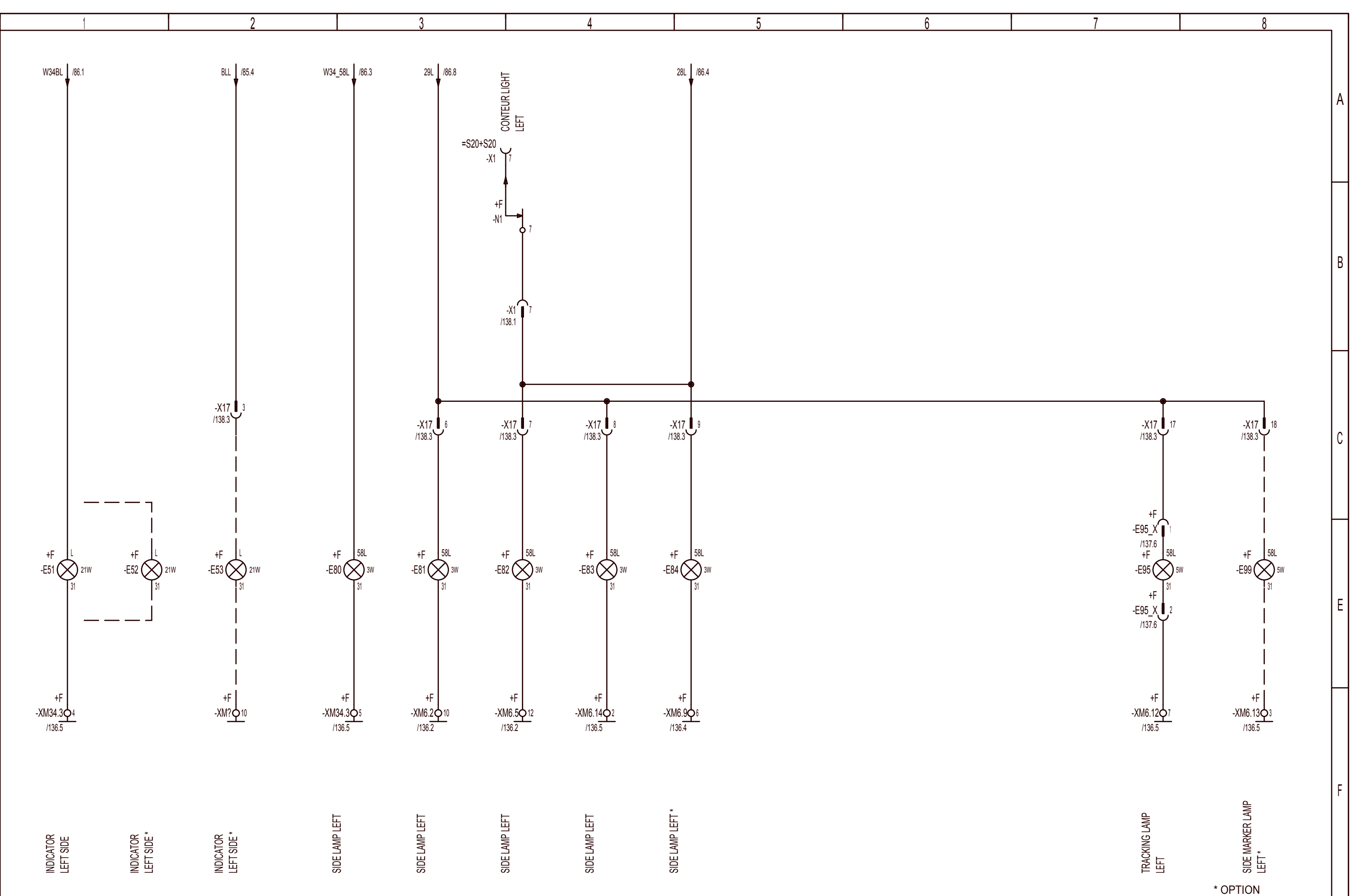
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* LIGHTING  FRONT	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	87
	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153



3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	LIGHTING DRIVER'S CAB ,  WARNING BEACONS , DOOR CONTACT SWITCH	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	88
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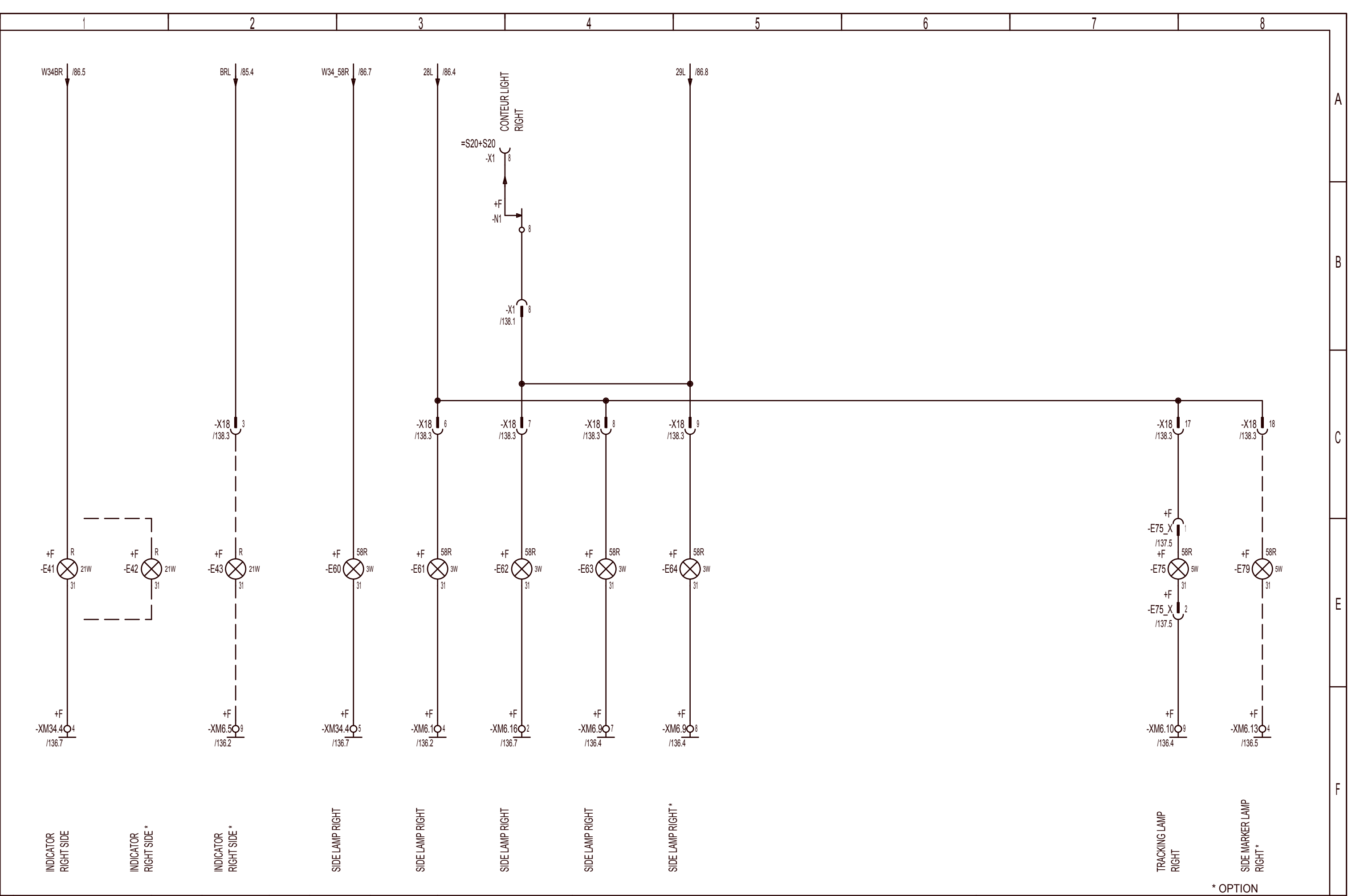


3			Gez.	08.03.05	Iwebem0	LIEBHERR WERK EHINGEN	* LIGHTING DRIVER'S CAB	Ident-Nr.	984583708	=	U
2										+	H
1			Ausgabe	03.02.06	Iwerof0			Zeich-Nr.	3272-920.06.01.000-002	Blatt	89
	Änderung	Datum	Name		Datum	Name	Copyright (c)			von	153

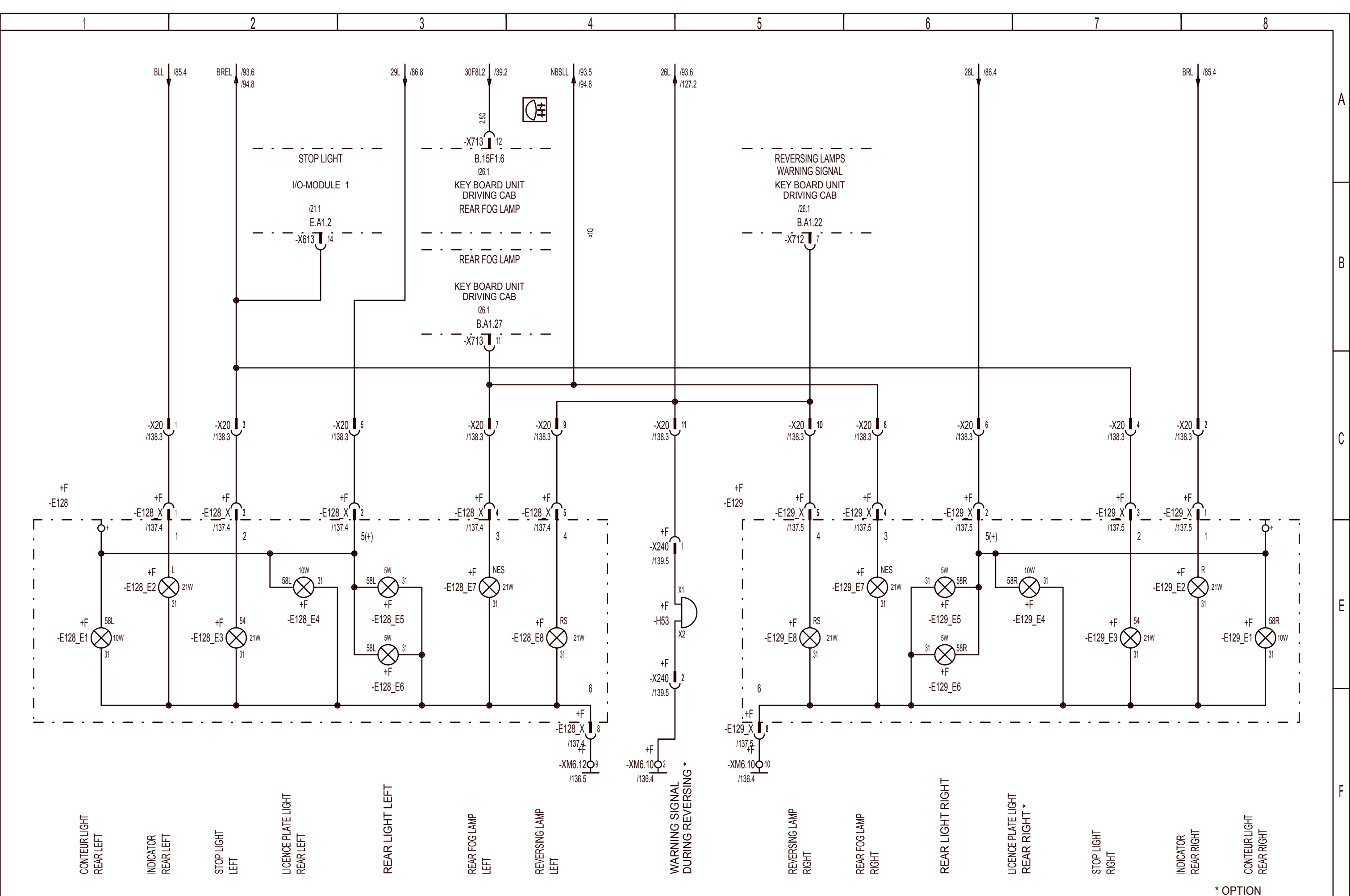


3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	LIGHTING  LEFT SIDE	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	90
	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153

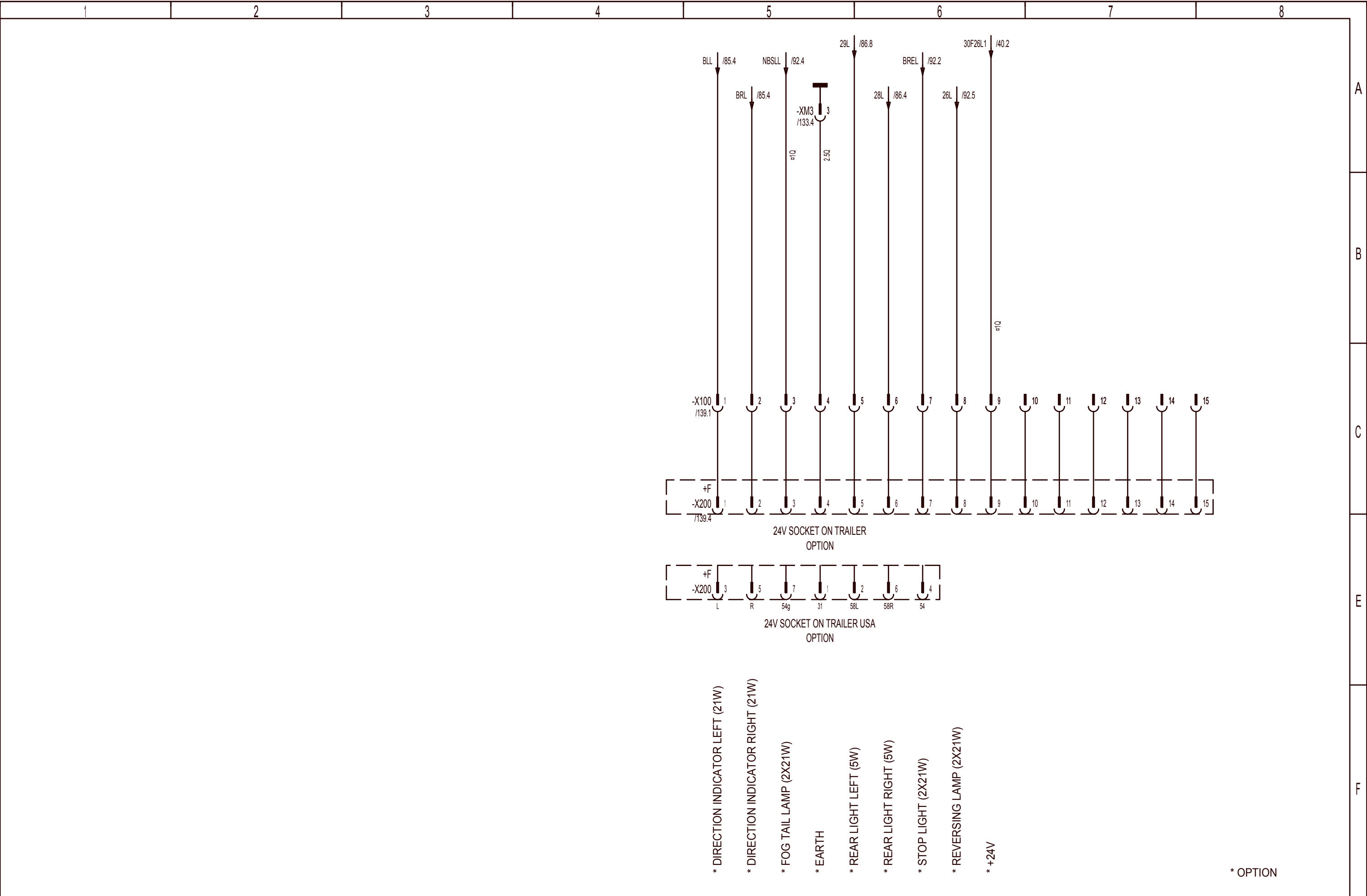




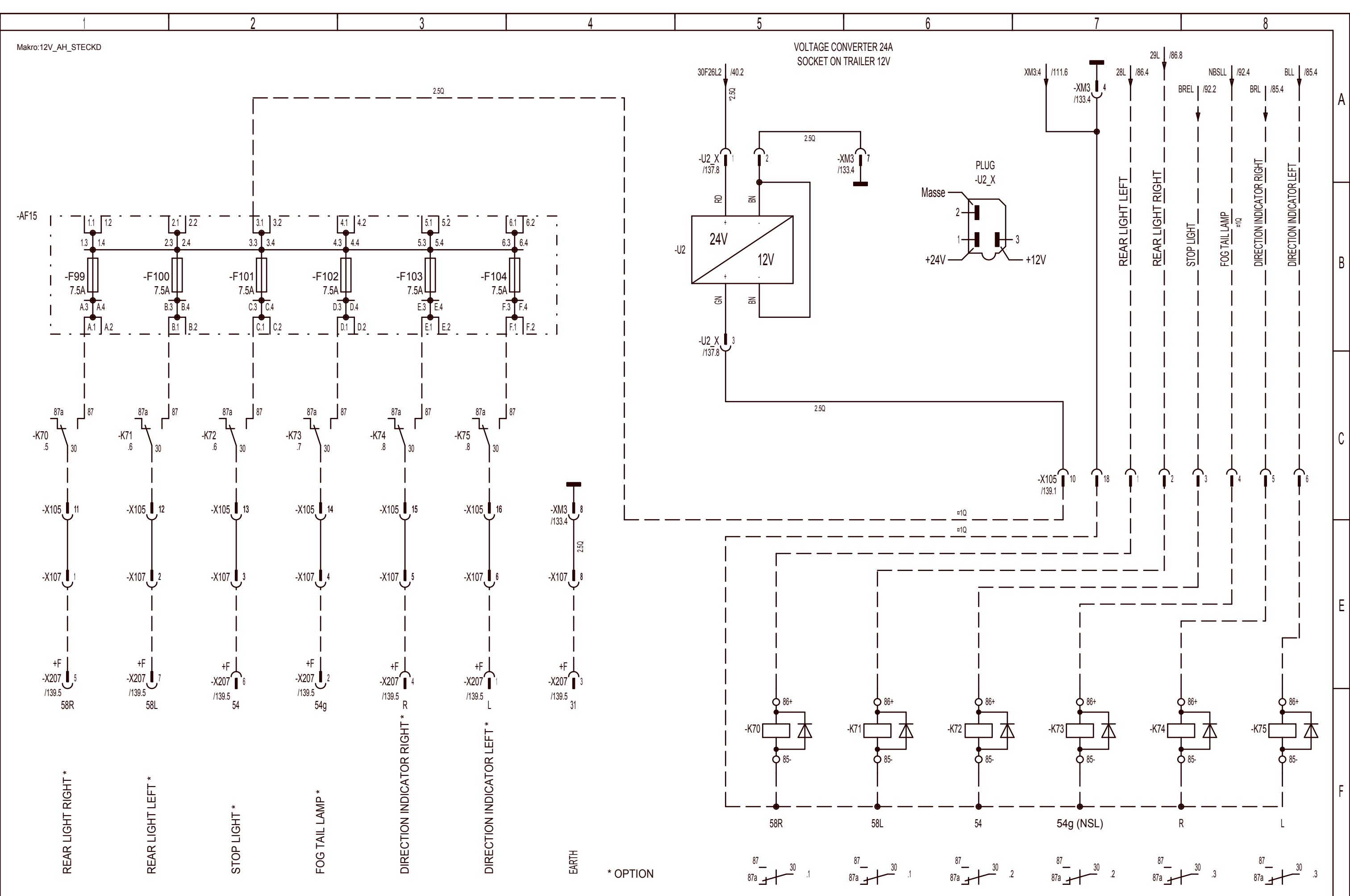
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	LIGHTING  RIGHT SIDE	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	91
	Änderung	Datum	Name		Datum	Name	Copyright (c)		von		153	



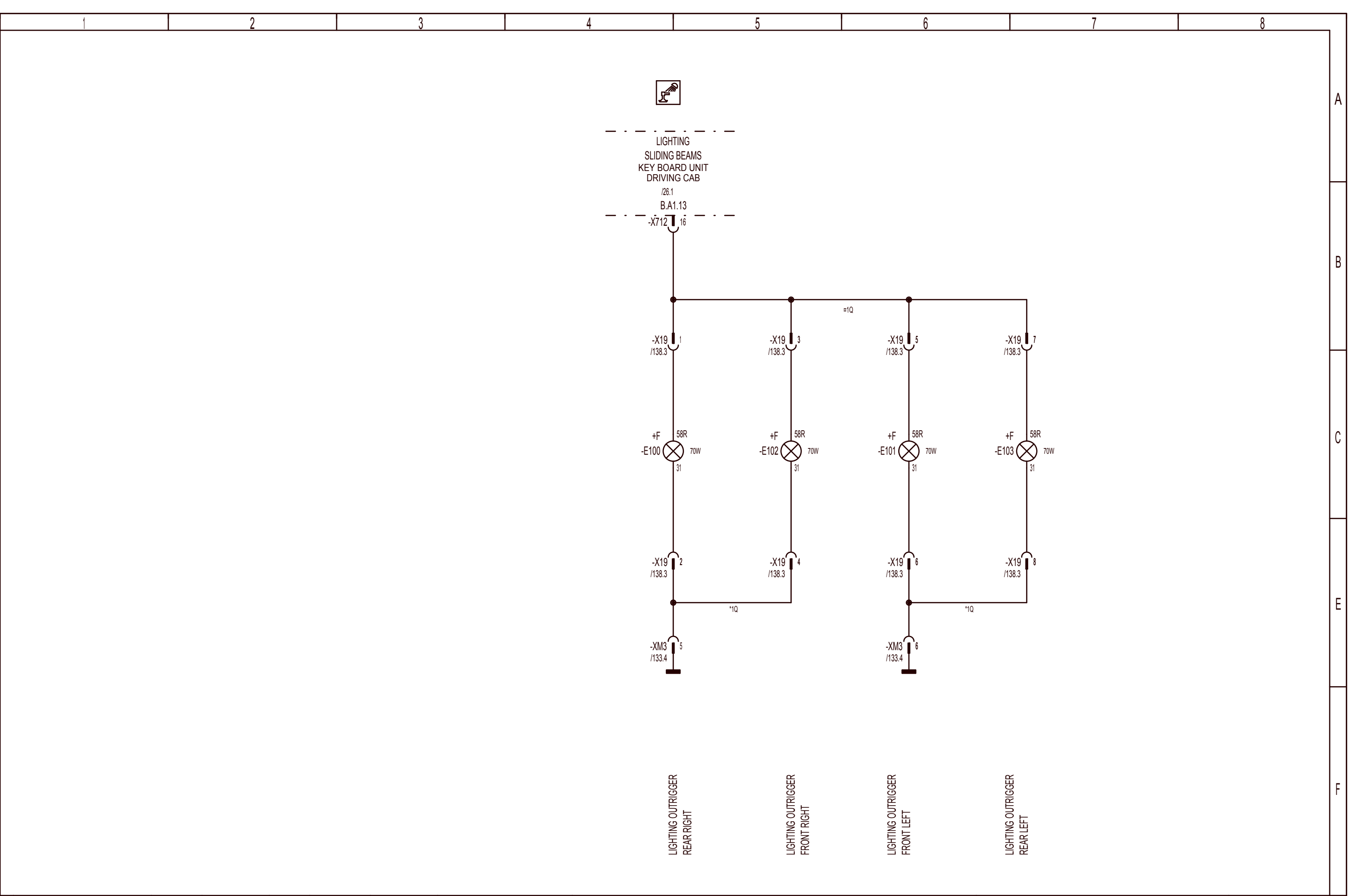
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	LIGHTING  REAR	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	92
	Änderung	Datum	Name		Datum	Name	Copyright (c)		von	153		



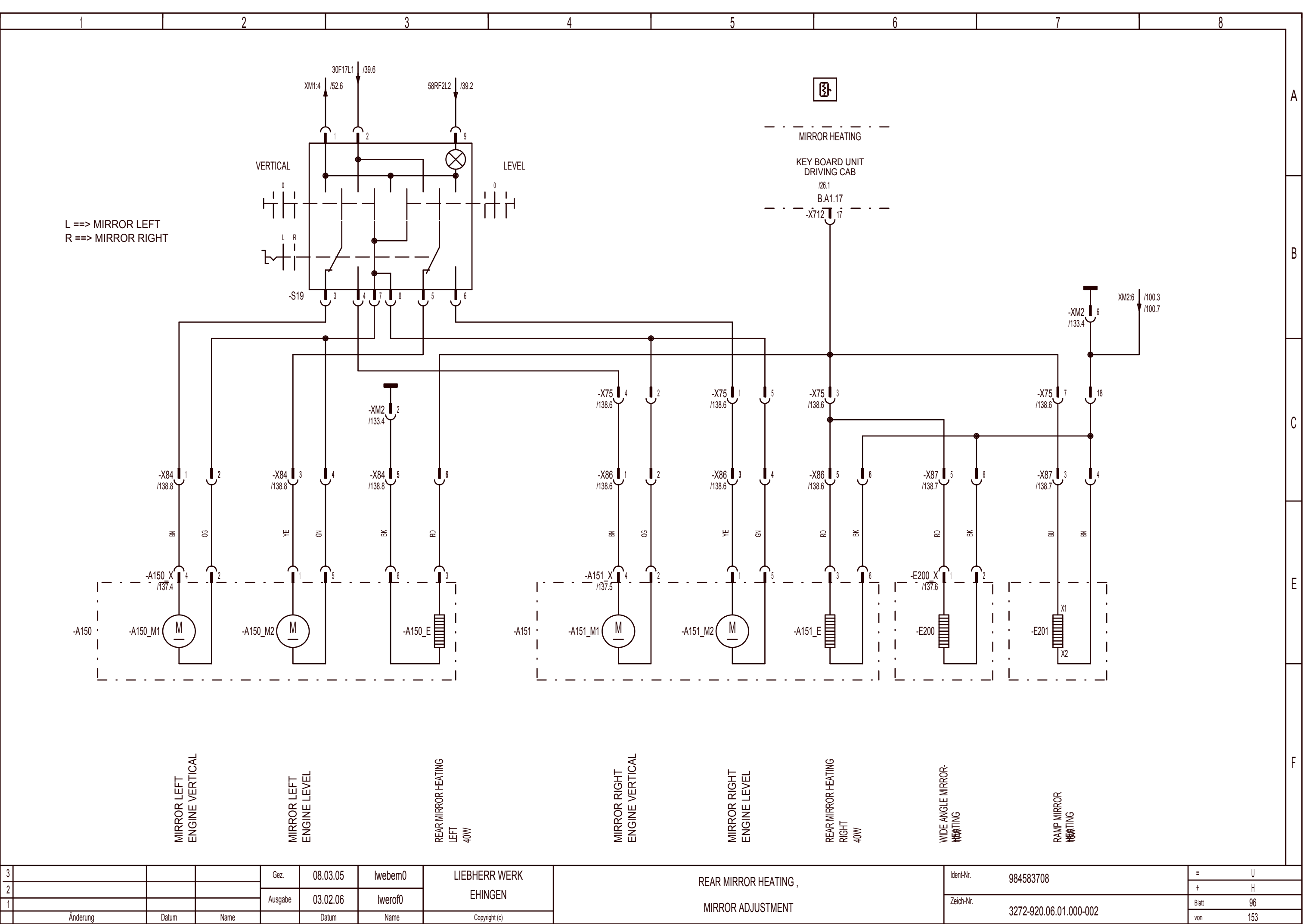
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* SOCKET ON TRAILER 24V	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Blatt	93		
	Änderung	Datum	Name		Datum	Name			Copyright (c)		3272-920.06.01.000-002	von

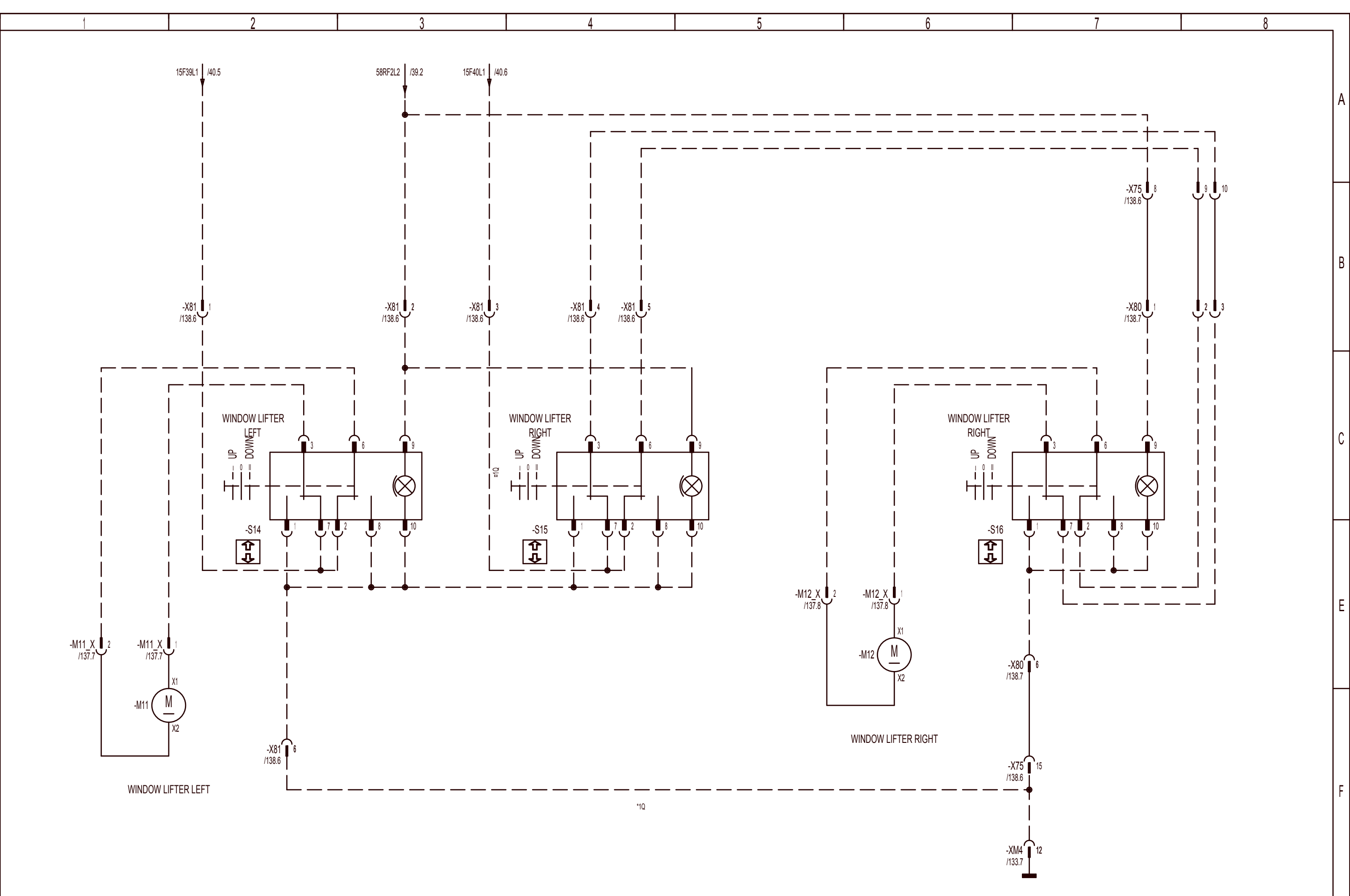


3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* SOCKET ON TRAILER 12V	Ident-Nr. 984583708	=	U
2				Ausgabe	03.02.06	lwerof0				+	H
1										Blatt	94
	Änderung	Datum	Name		Datum	Name	Copyright (c)		3272-920.06.01.000-002	von	153

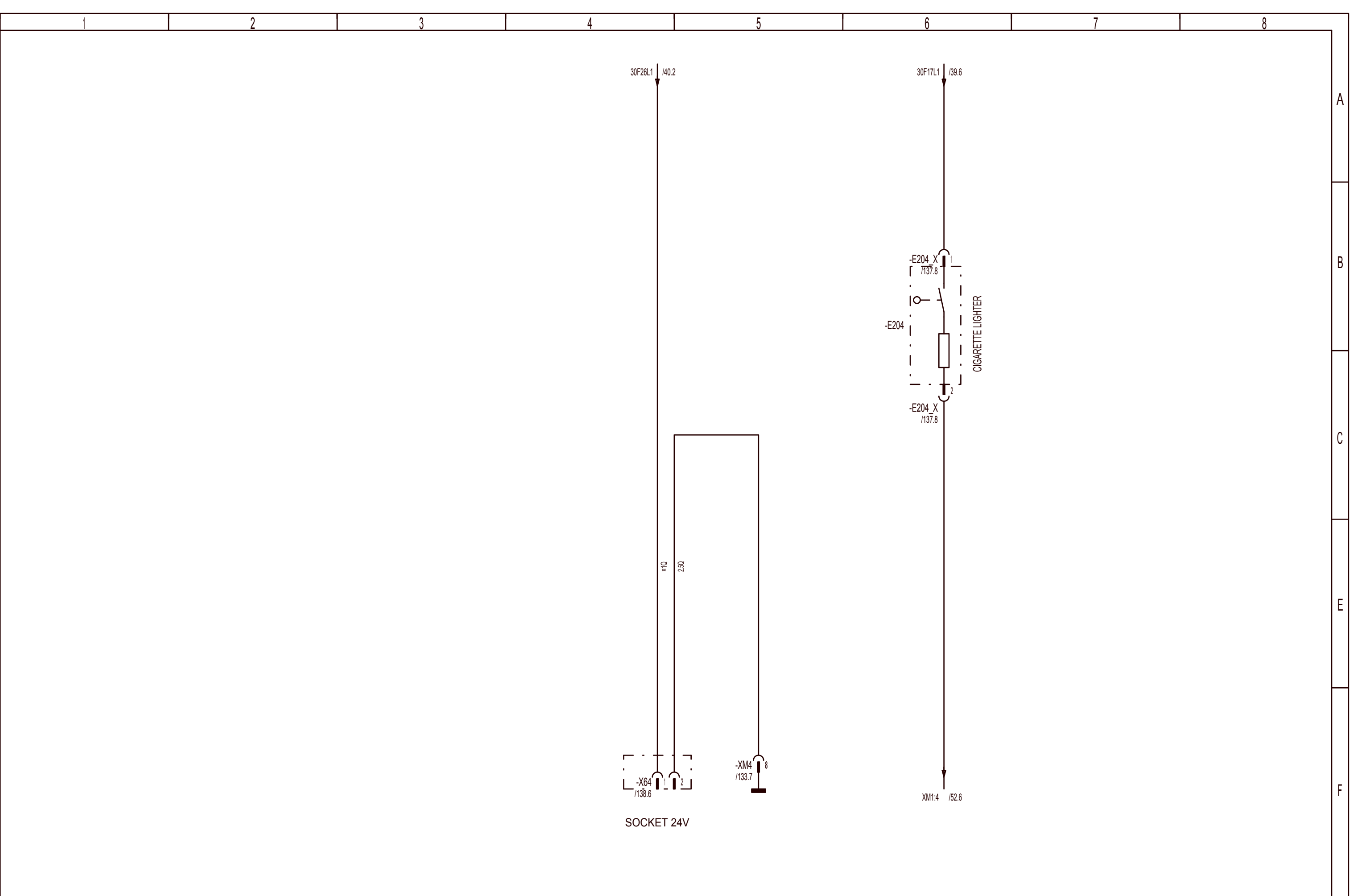


3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	LIGHTING OUTRIGGER	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Blatt	95		
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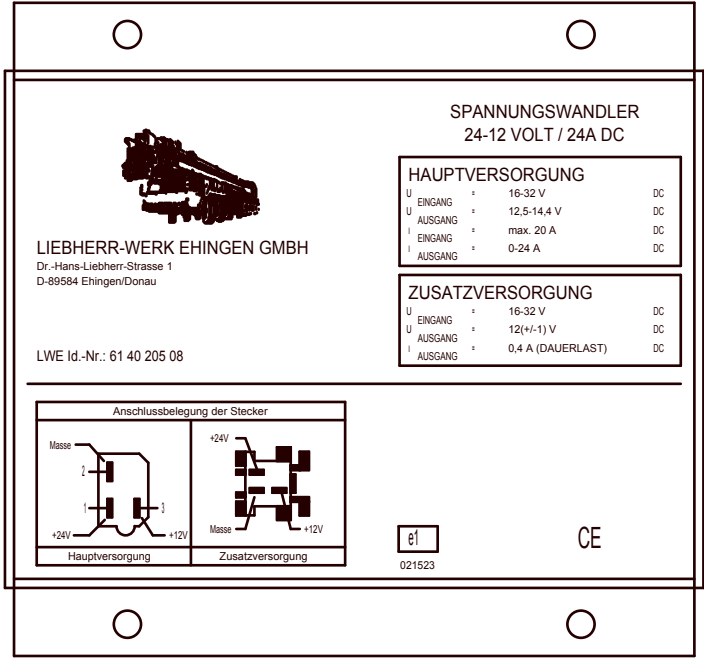


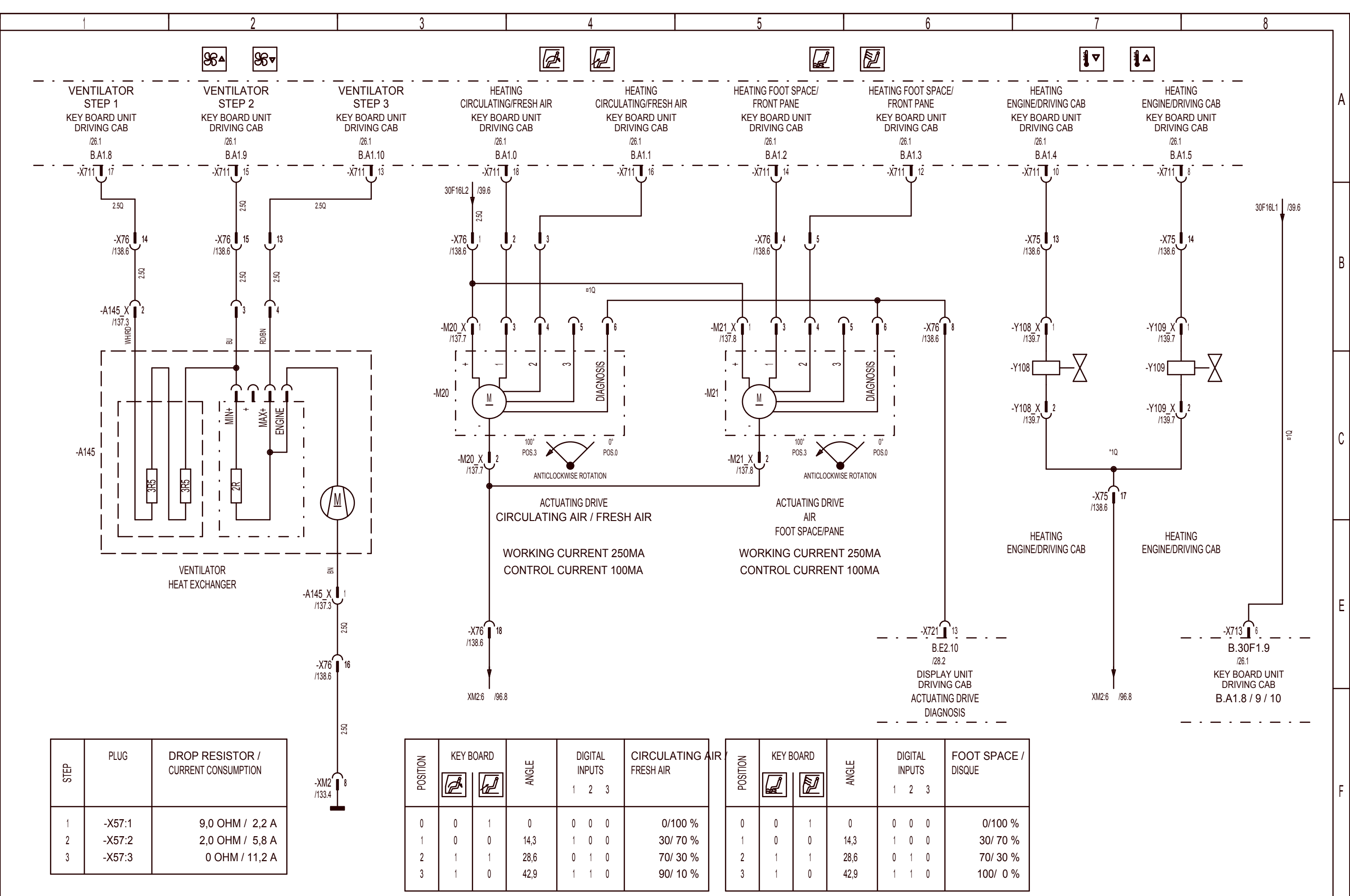
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2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	97
	Änderung	Datum	Name							Datum	Name	Copyright (c)



3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	SOCKET 24V ,  CIGARETTE LIGHTER	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	98
	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153







STEP	PLUG	DROP RESISTOR / CURRENT CONSUMPTION
1	-X57:1	9,0 OHM / 2,2 A
2	-X57:2	2,0 OHM / 5,8 A
3	-X57:3	0 OHM / 11,2 A

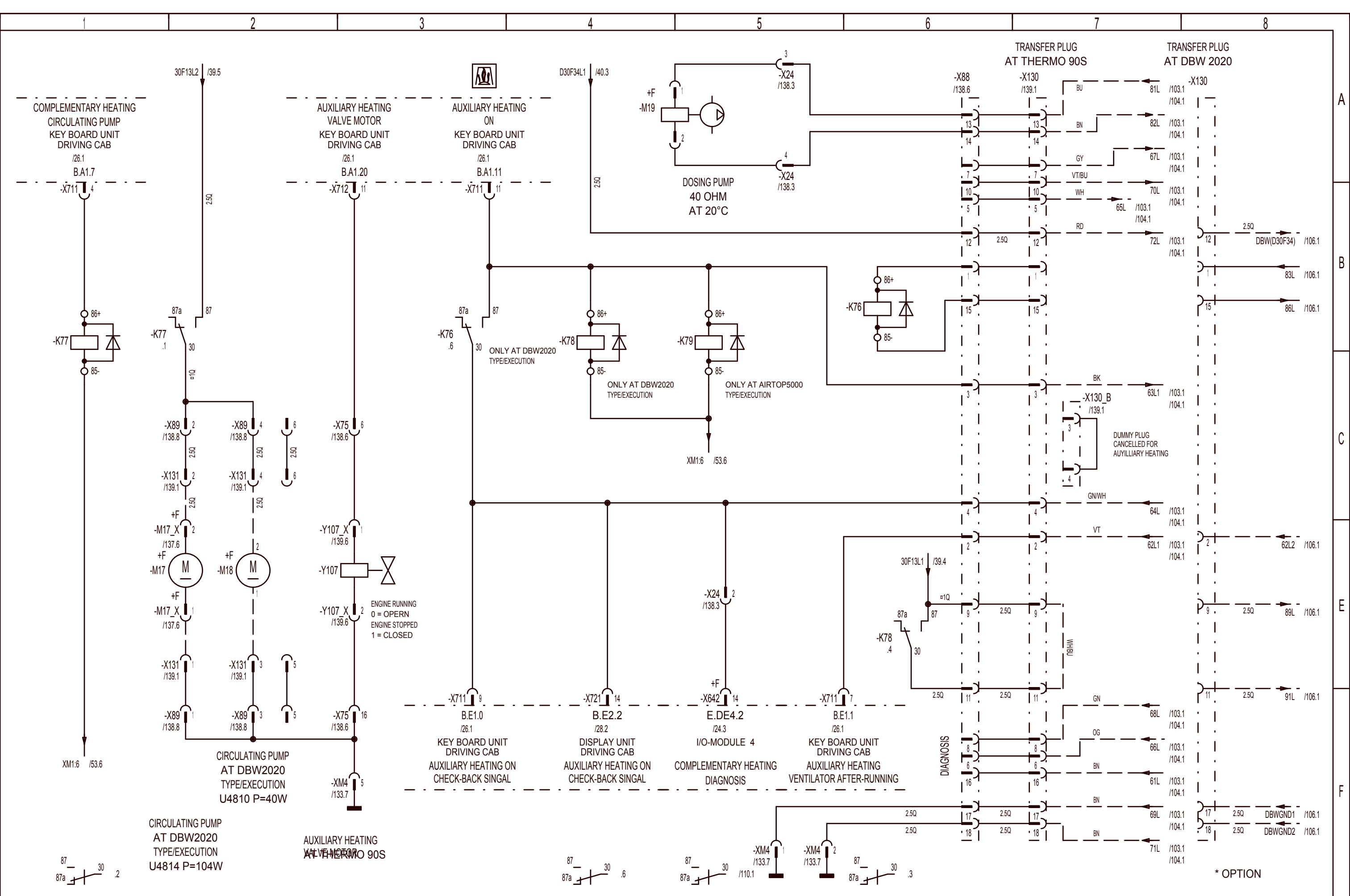
POSITION	KEY BOARD		ANGLE	DIGITAL INPUTS			CIRCULATING AIR / FRESH AIR
				1	2	3	
0	0	1	0	0	0	0	0/100 %
1	0	0	14,3	1	0	0	30/ 70 %
2	1	1	28,6	0	1	0	70/ 30 %
3	1	0	42,9	1	1	0	90/ 10 %

POSITION	KEY BOARD		ANGLE	DIGITAL INPUTS			FOOT SPACE / DISQUE
				1	2	3	
0	0	1	0	0	0	0	0/100 %
1	0	0	14,3	1	0	0	30/ 70 %
2	1	1	28,6	0	1	0	70/ 30 %
3	1	0	42,9	1	1	0	100/ 0 %

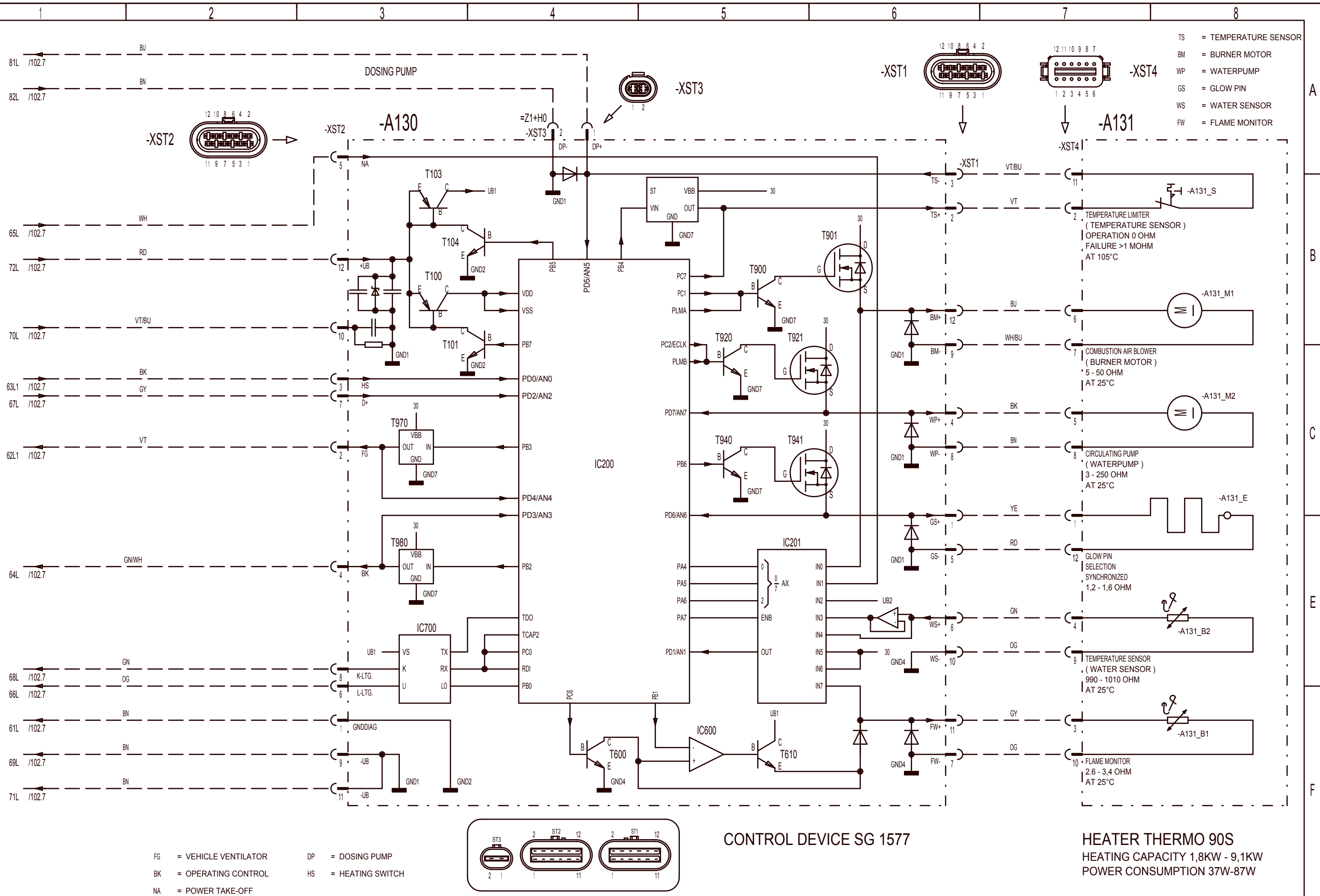


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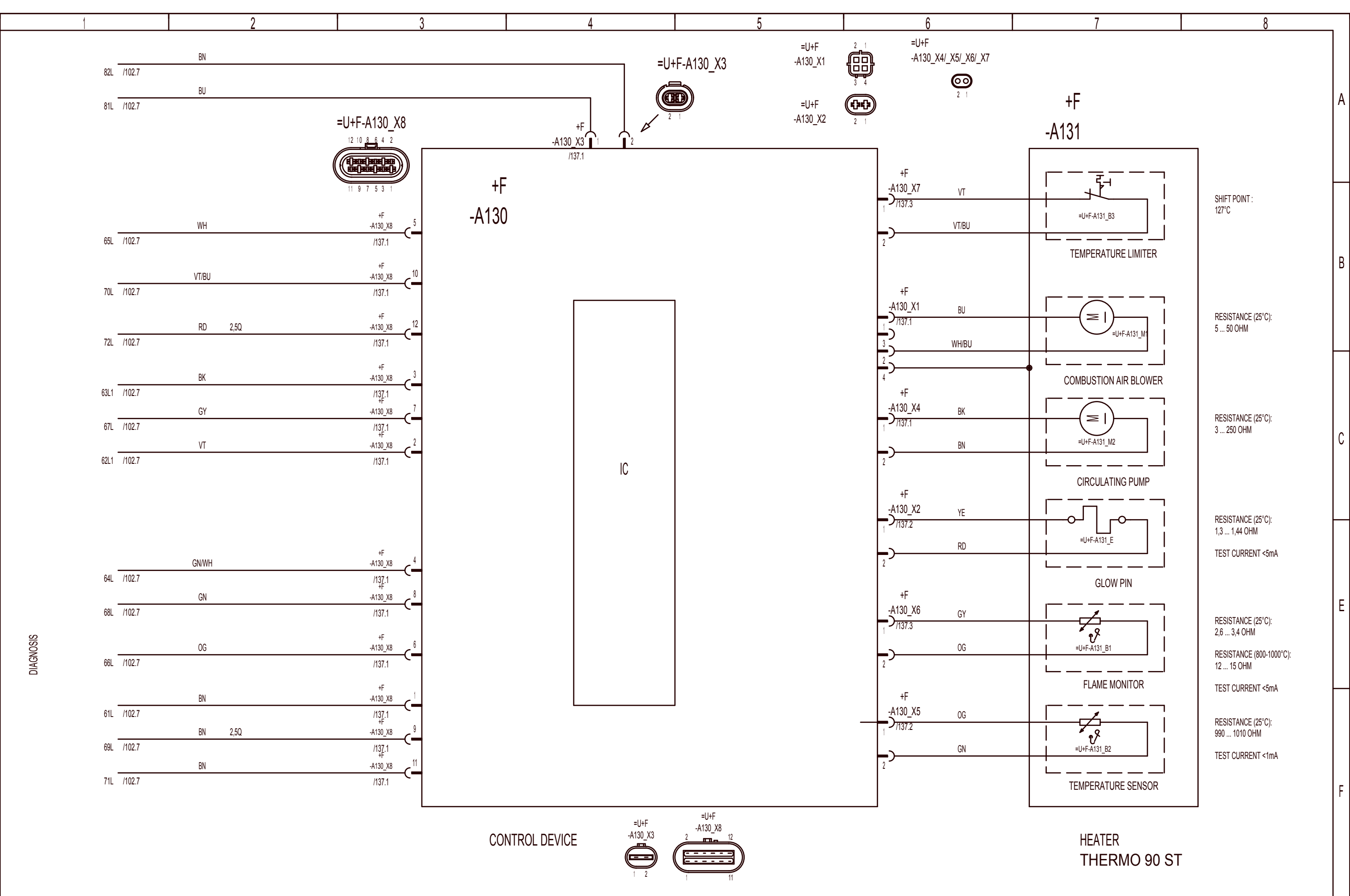
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2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	101
	Änderung	Datum	Name		Datum	Name			Copyright (c)	von	153	



3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* COMPLEMENTARY HEATING	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	102
	Änderung	Datum	Name		Datum	Name			Copyright (c)		von	153

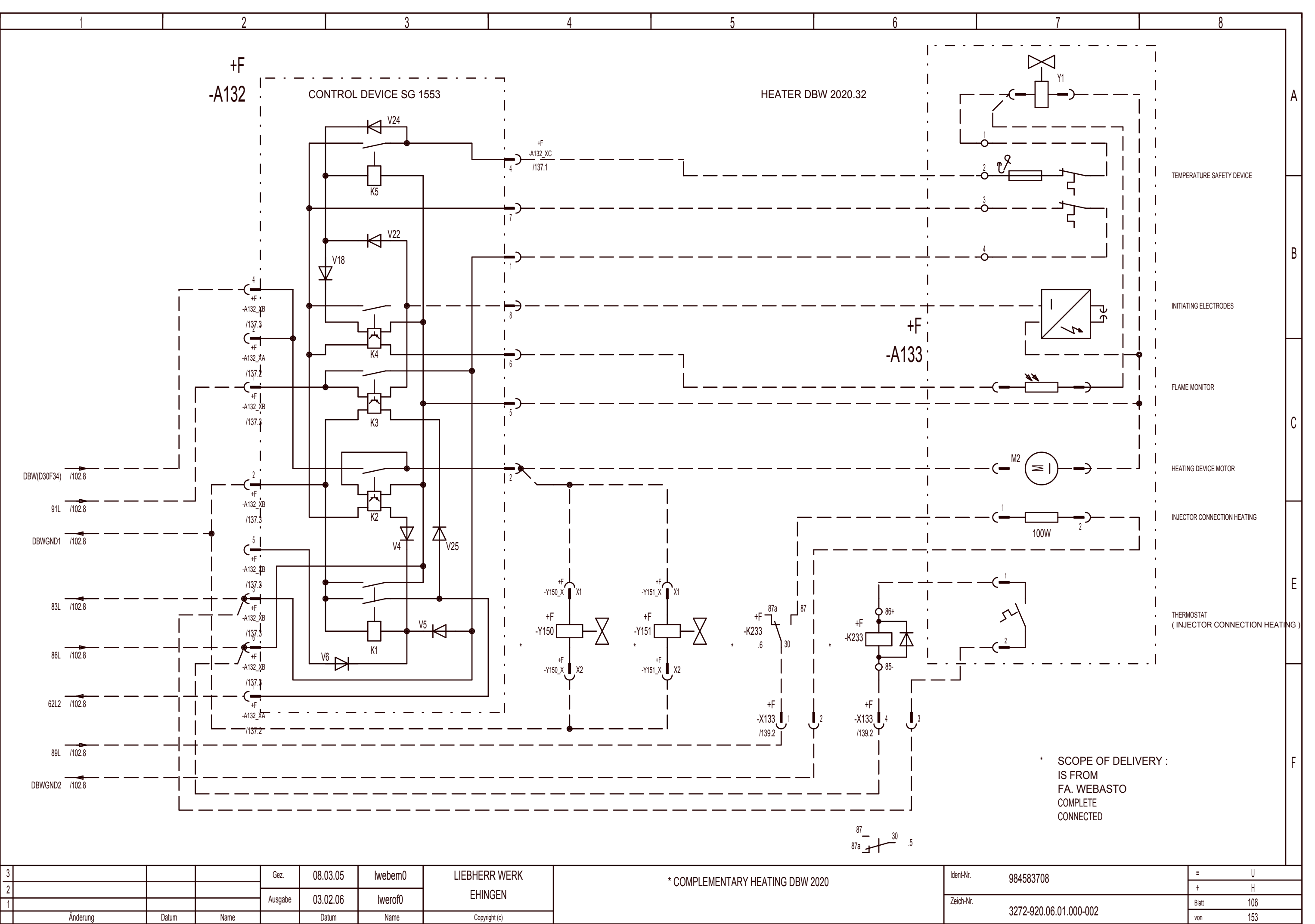


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2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	103
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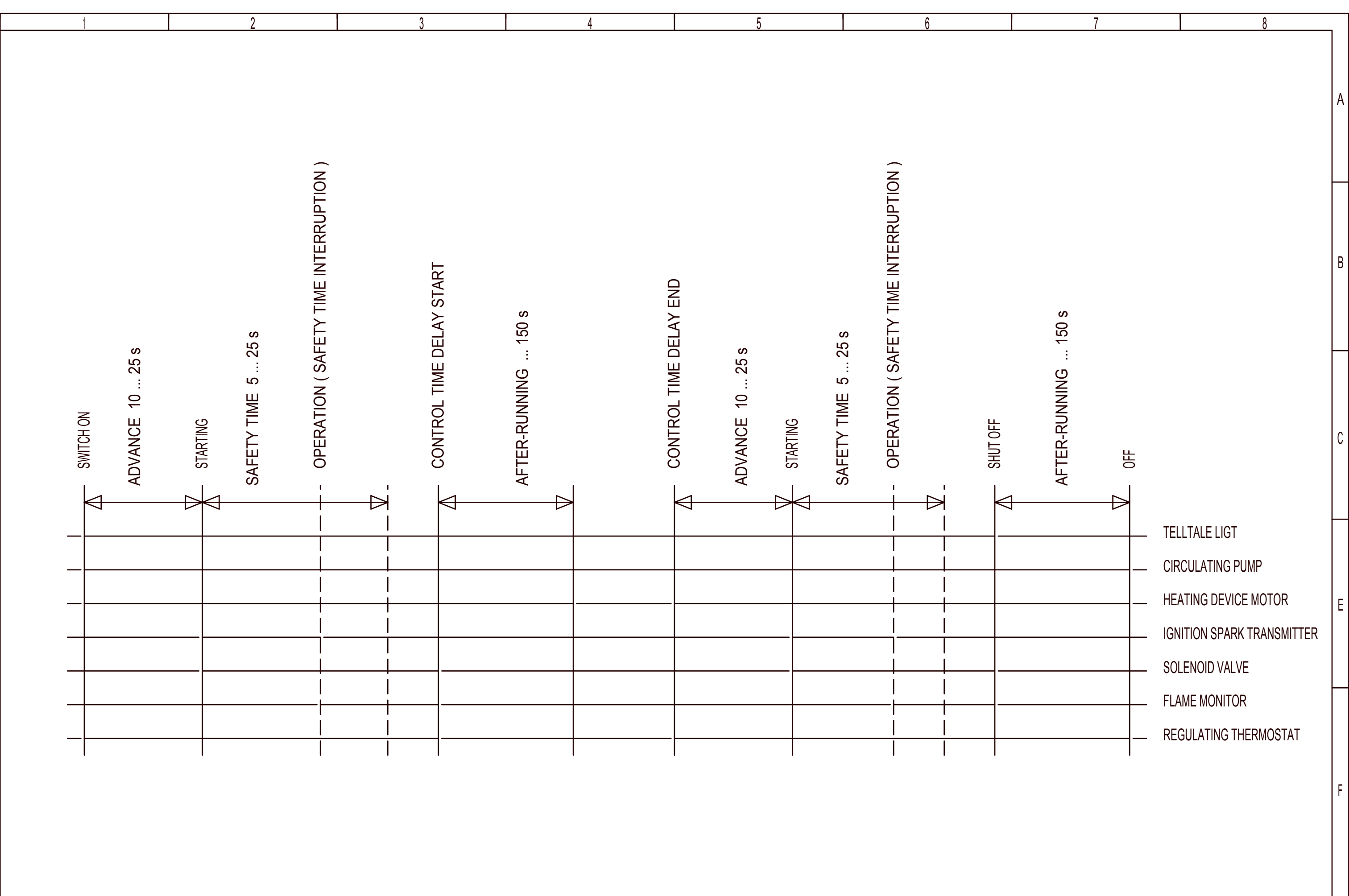
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1											Blatt	104
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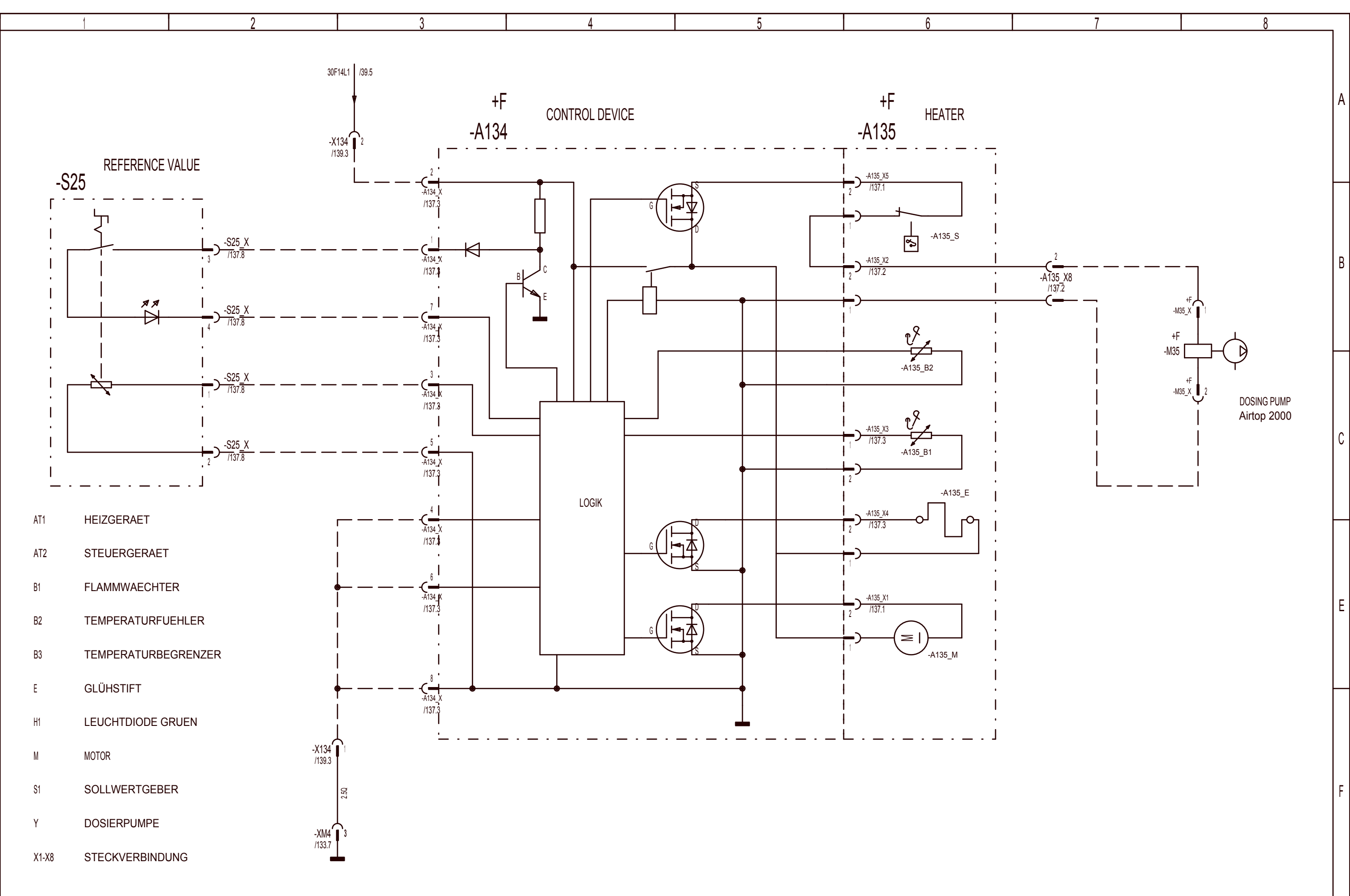
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2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	106
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1		2		3		4		5		6		7		8																																																																																																																																		
<table><tr><td colspan="2">COMPLEMENTARY HEATING SWITCH KEY BOARD UNIT</td><td colspan="2">ACTUATING DRIVE WATER CIRCULATION DRIVER'S CAB PUSH-BUTTON SWITCH KEY BOARD UNIT</td><td colspan="2">DIESEL ENGINE</td><td colspan="2">WEBASTO- HEATING</td><td colspan="2">INJECTOR CONNECTION HEATING</td><td colspan="2">CIRCULATING PUMP U4810 / U4814</td></tr><tr><td>ON</td><td>OFF</td><td>WARM</td><td>COLD</td><td>ON</td><td>OFF</td><td>ON</td><td>OFF</td><td>ON</td><td>OFF</td><td>ON</td><td>OFF</td></tr><tr><td>X</td><td></td><td>X</td><td></td><td></td><td>X</td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td></tr><tr><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td></tr><tr><td>X</td><td></td><td></td><td>X</td><td></td><td>X</td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td></tr><tr><td>X</td><td></td><td></td><td>X</td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td></tr><tr><td></td><td>X</td><td>X</td><td></td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td></tr><tr><td></td><td>X</td><td>X</td><td></td><td>X</td><td></td><td></td><td>X</td><td></td><td>X</td><td>X</td><td></td></tr><tr><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td></tr><tr><td></td><td>X</td><td></td><td>X</td><td>X</td><td></td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td></tr></table>																COMPLEMENTARY HEATING SWITCH KEY BOARD UNIT		ACTUATING DRIVE WATER CIRCULATION DRIVER'S CAB PUSH-BUTTON SWITCH KEY BOARD UNIT		DIESEL ENGINE		WEBASTO- HEATING		INJECTOR CONNECTION HEATING		CIRCULATING PUMP U4810 / U4814		ON	OFF	WARM	COLD	ON	OFF	ON	OFF	ON	OFF	ON	OFF	X		X			X	X		X		X		X		X		X		X		X		X		X			X		X	X		X		X		X			X	X		X		X		X			X	X			X		X		X		X		X	X		X			X		X	X			X		X		X		X		X		X		X		X	X			X		X		X	A								
																COMPLEMENTARY HEATING SWITCH KEY BOARD UNIT		ACTUATING DRIVE WATER CIRCULATION DRIVER'S CAB PUSH-BUTTON SWITCH KEY BOARD UNIT		DIESEL ENGINE		WEBASTO- HEATING		INJECTOR CONNECTION HEATING		CIRCULATING PUMP U4810 / U4814																																																																																																																						
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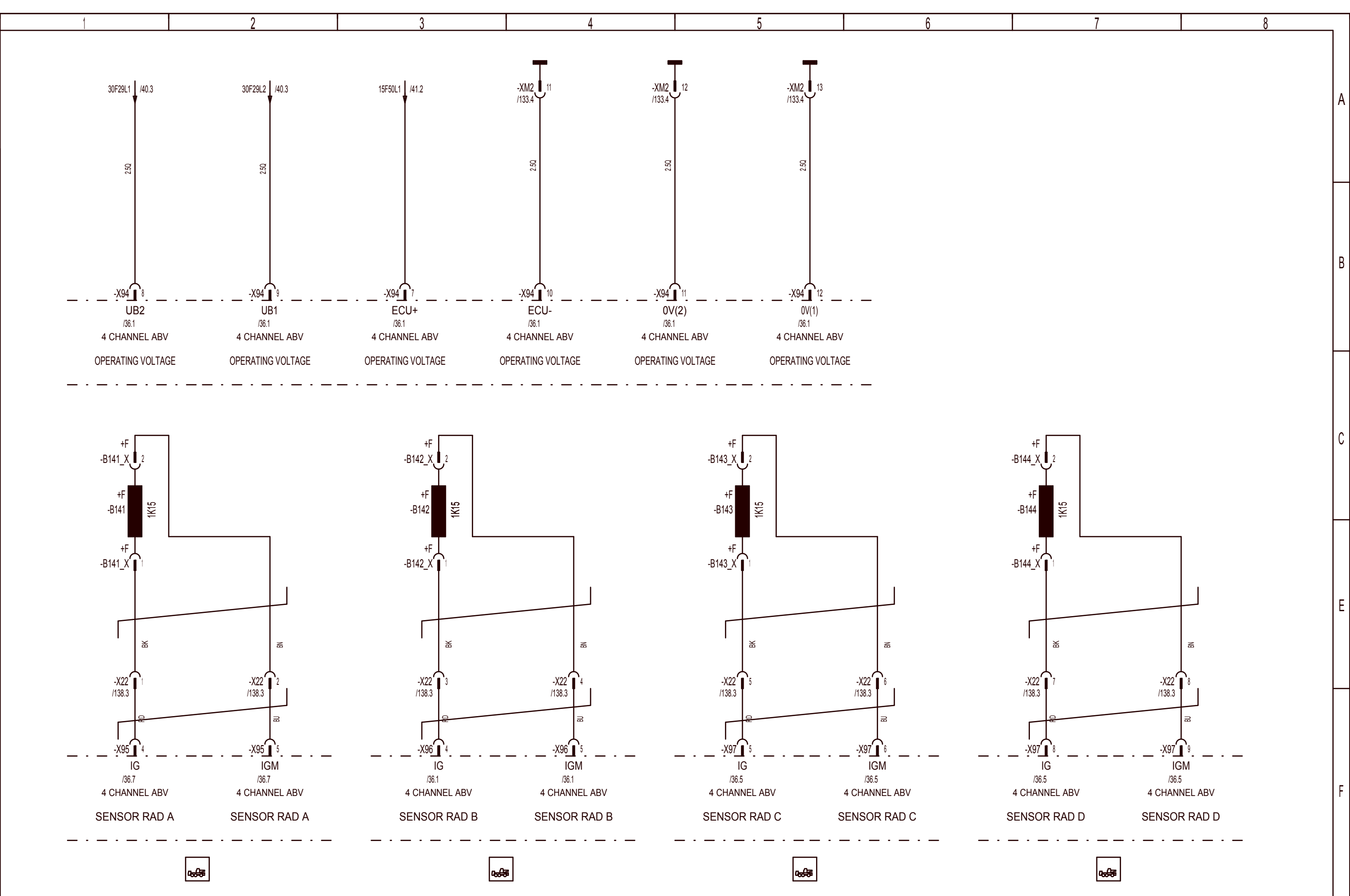
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2				Ausgabe	03.02.06	lwerof0						Zeich-Nr.		3272-920.06.01.000-002	+		H
1												Blatt			108		
	Änderung	Datum	Name		Datum	Name	Copyright (c)			von		153					



3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* COMPLEMENTARY HEATING AIRTOP 2000	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	109
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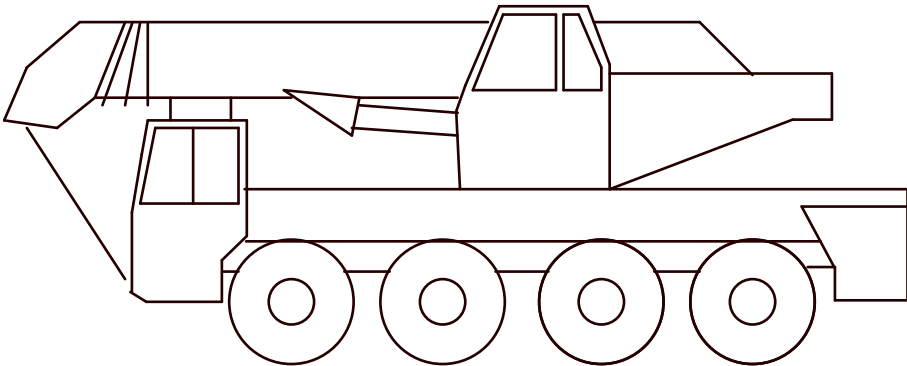
B

C

E

F

AXLE AND WHEEL DESIGN.



AXLE 1+2

AXLE 3+4

	LEFT	RIGHT
AXLE 1+2	A (A1L)	B (A1R)
AXLE 3+4	C (A2L)	D (A2R)

ELECTRONICS D

-X94

1	4	7	10	13	16
CAN-L	TSET	ECU+	ECU-	DIAG	ASR-L
2	5	8	11	14	17
CAN-G	ABS	UB2	0V(2)	DIAG	DBR
3	6	9	12	15	18
CAN-H	ASR	UB1	0V(1)	LOCK	WL

-X95

1	4
AV	IG
2	5
EV	IGM
3	6
0V	

-X96

1	4	7
	IG	AV
2	5	8
	IGM	EV
3	6	9
TACH0	PROP	0V

-X97

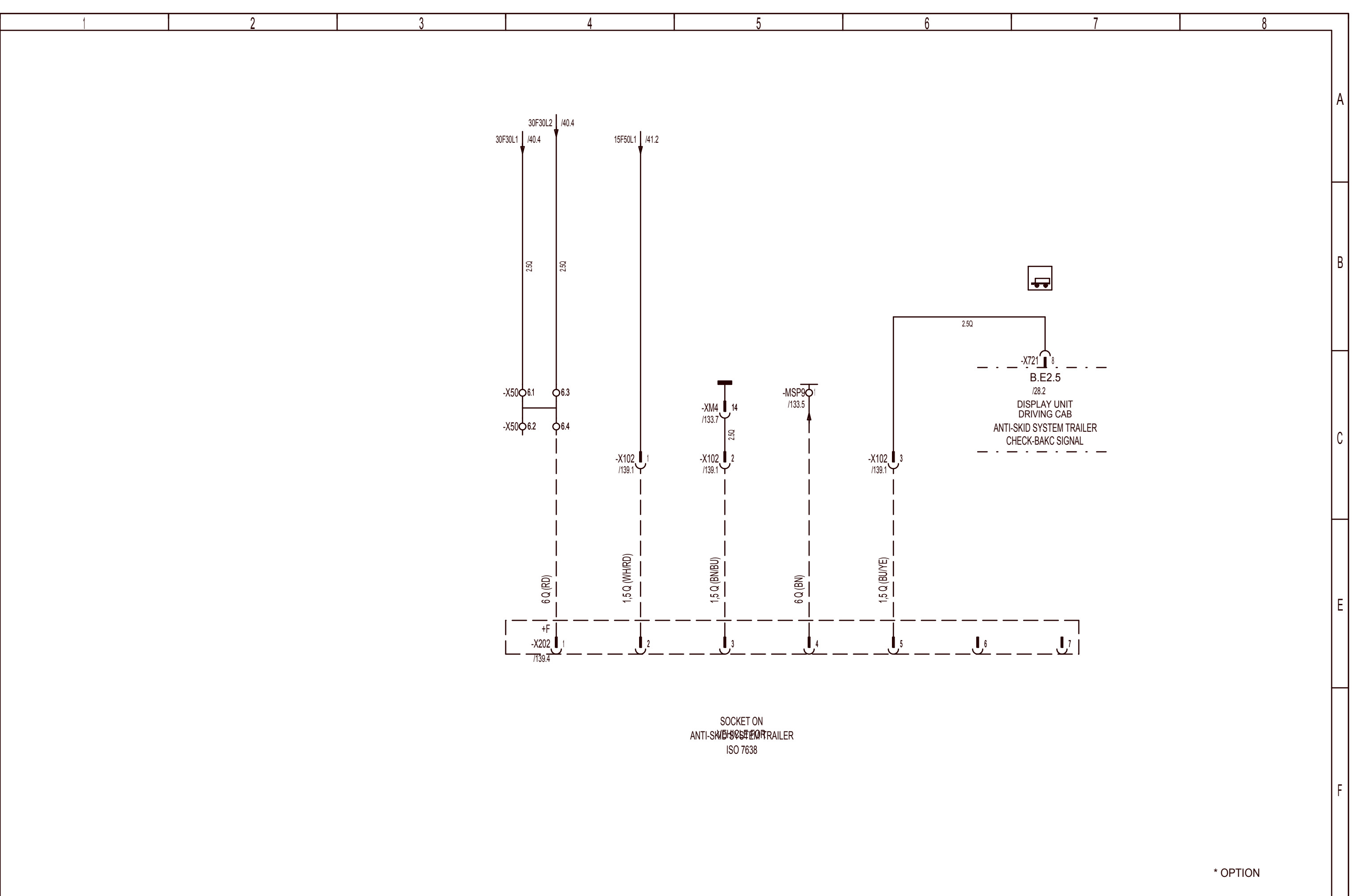
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2	5	8	11	14
EV	IG	IG	EV	
3	6	9	12	15
0V	IGM	IGM	0V	

FCT2 = ABS OFF ROAD

FCT1 = ASR OFF ROAD

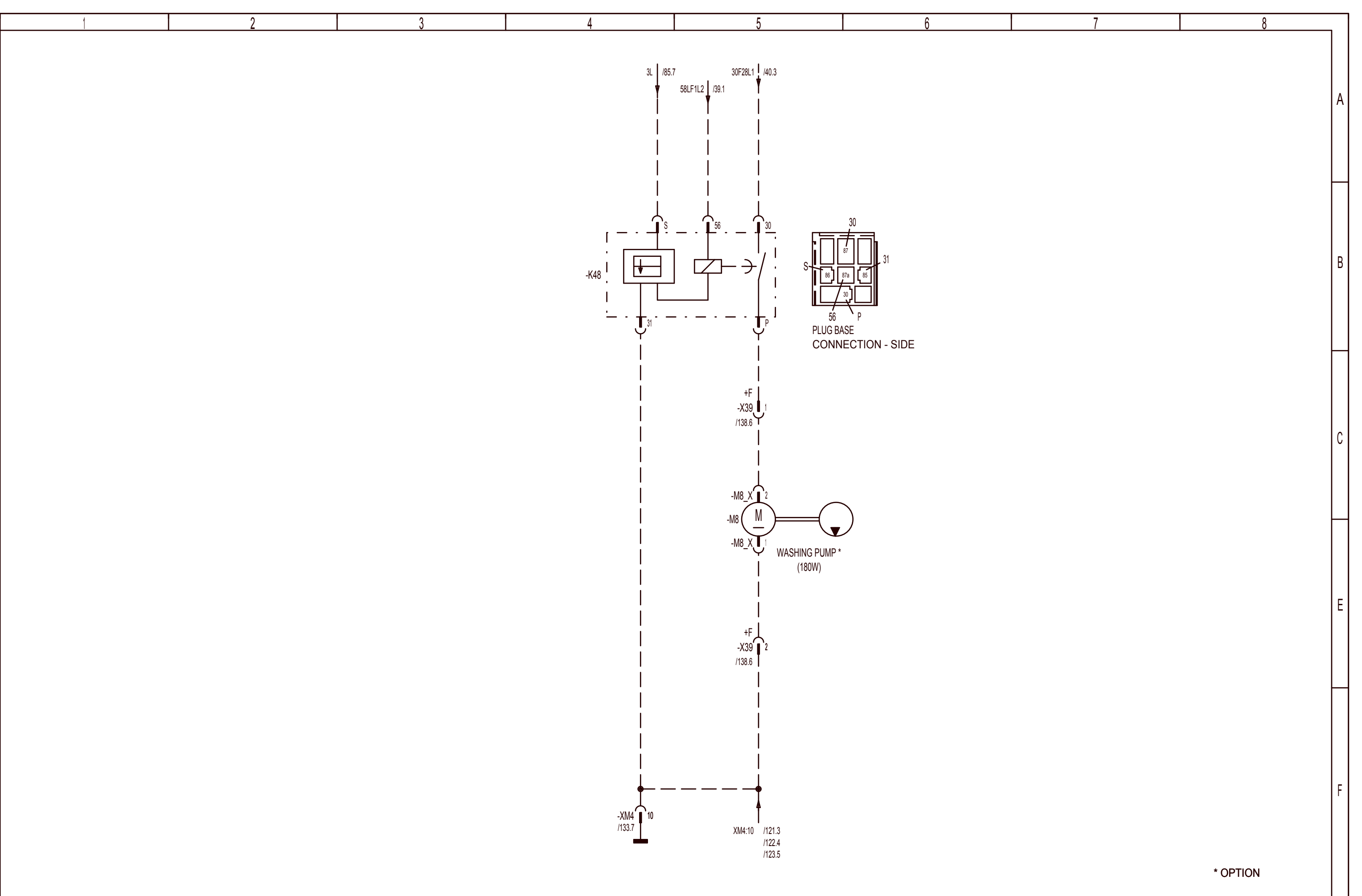
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	WHEEL SPEED	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Blatt	114		
	Änderung	Datum	Name		Datum	Name	Copyright (c)			Zeich-Nr.	3272-920.06.01.000-002	von



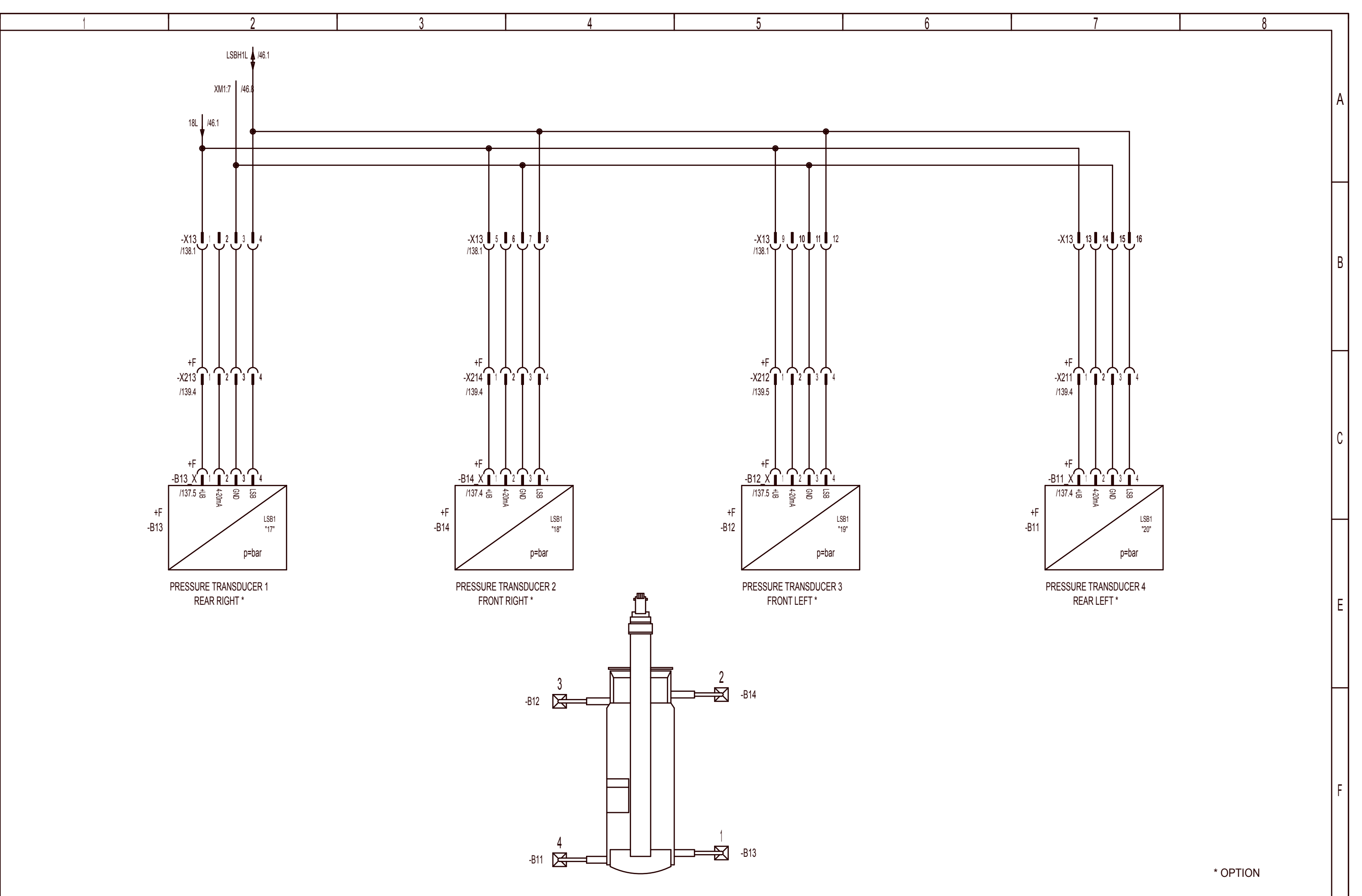


3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* ANTI-SKID SYSTEM TRAILER	Ident-Nr.	984583708	=	U		
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	Blatt	115	+	H
1									von		153			
	Änderung	Datum	Name		Datum	Name	Copyright (c)							





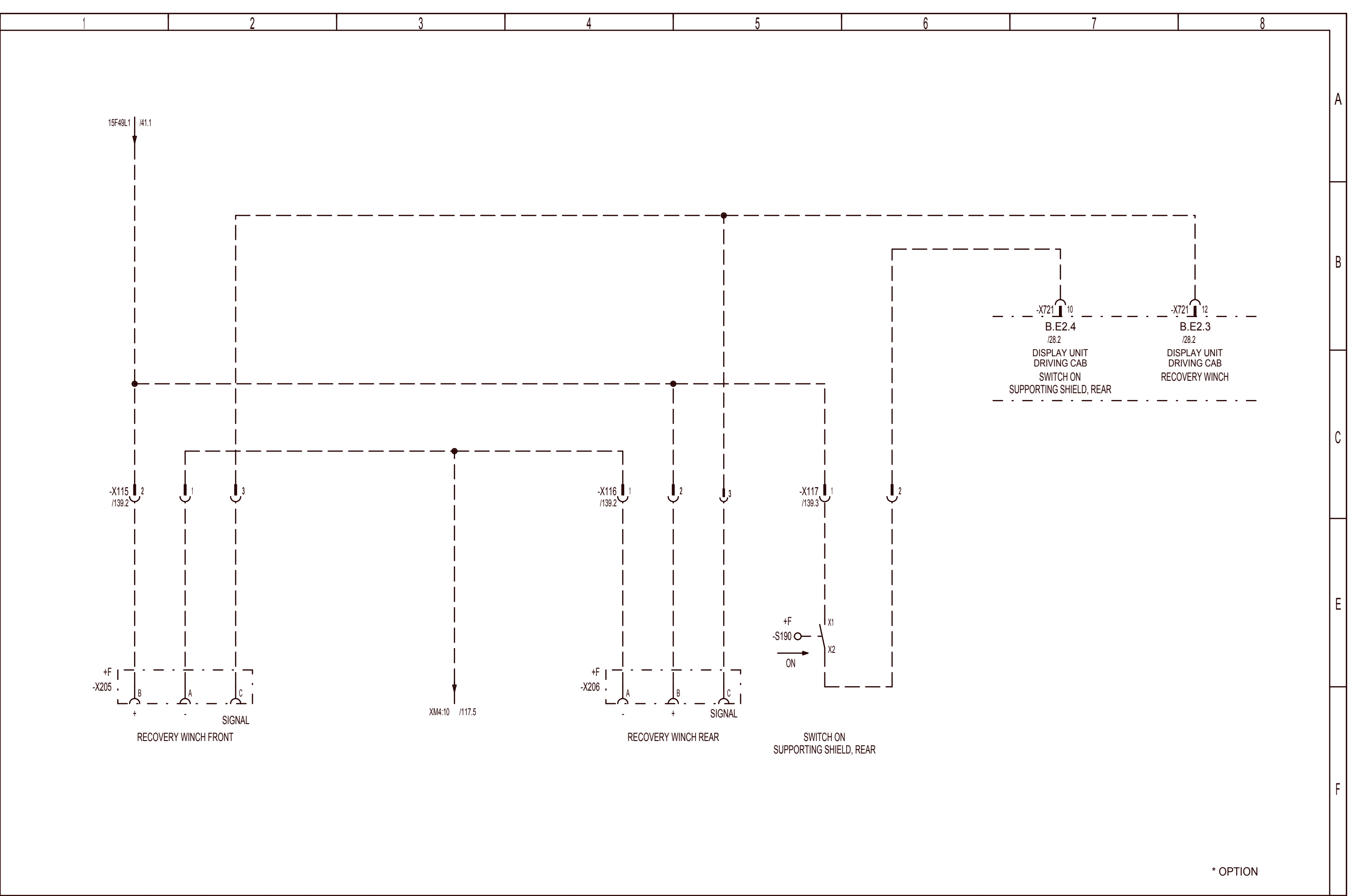
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* HEADLIGHT WASHER	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	117
	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153



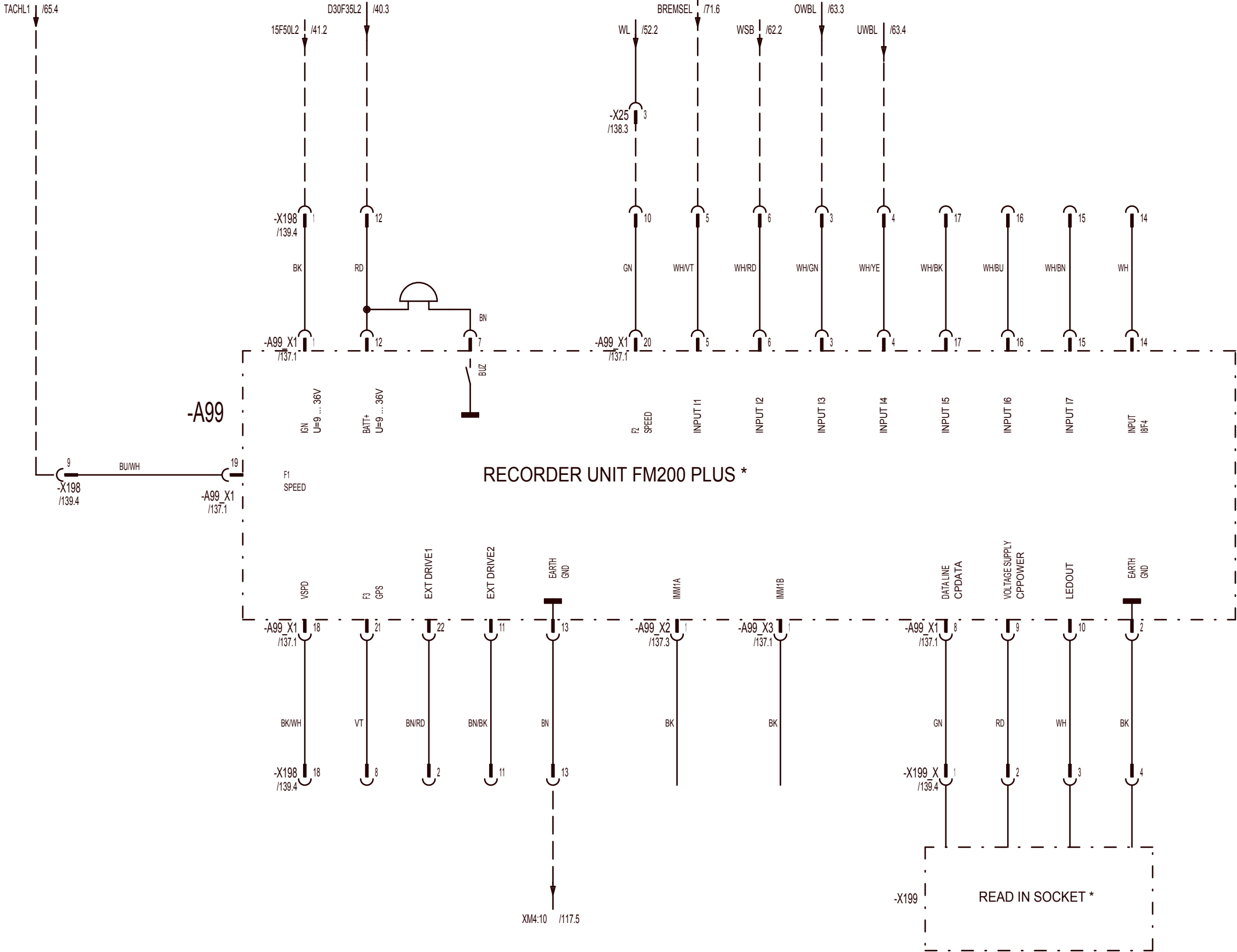
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* SUPPORTING FORCE INDICATOR	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	118
	Änderung	Datum	Name		Datum	Name			Copyright (c)		3272-920.06.01.000-002	von







3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* RECOVERY WINCH ,  * LEVELLING SCOOP	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	121
	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153



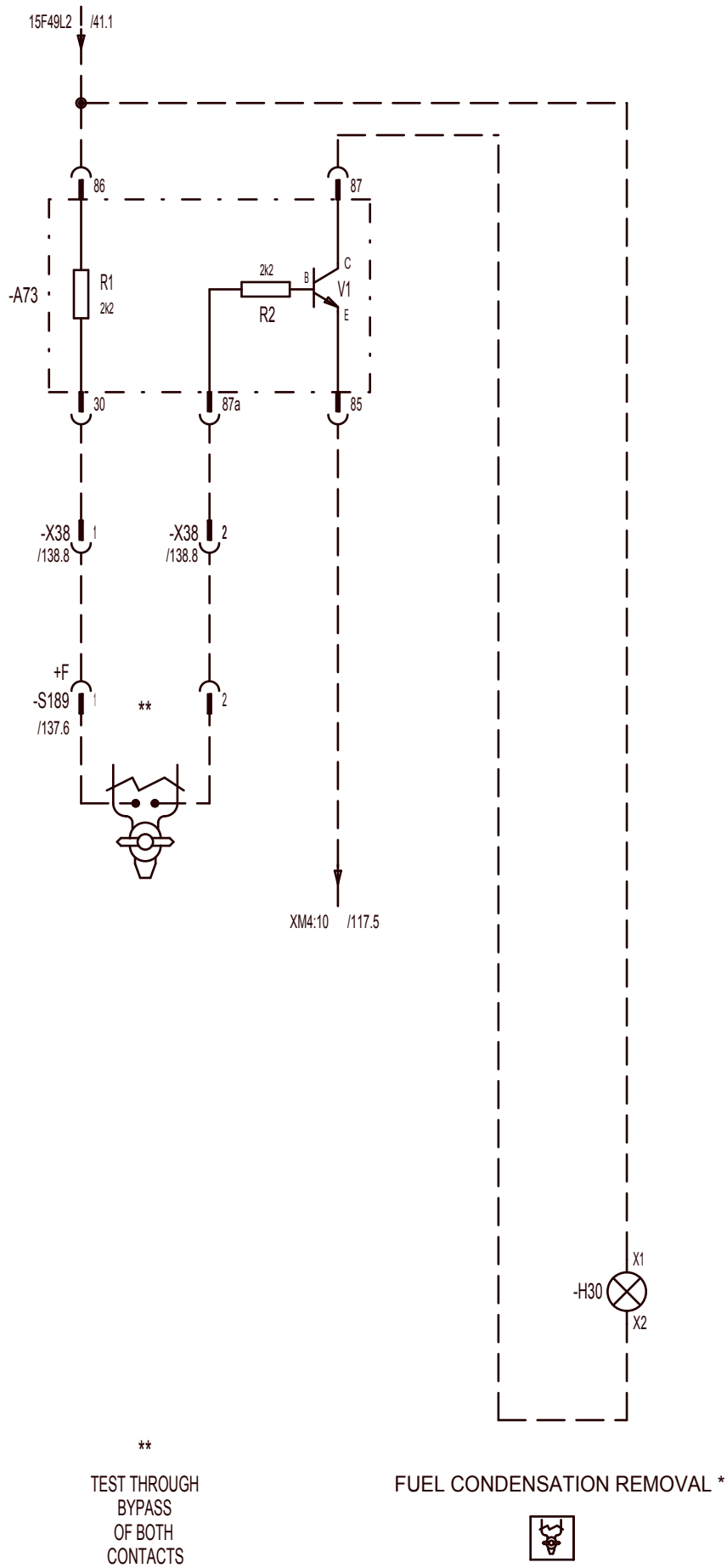
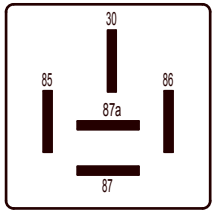
\* OPTION

3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* RECORDER UNIT	Ident-Nr. 984583708	= U
2				Ausgabe	03.02.06	lwerof0				
1										
	Änderung	Datum	Name		Datum	Name	Copyright (c)		Zeich-Nr. 3272-920.06.01.000-002	Blatt 122
										von 153



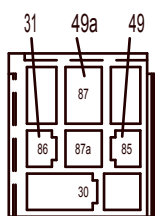
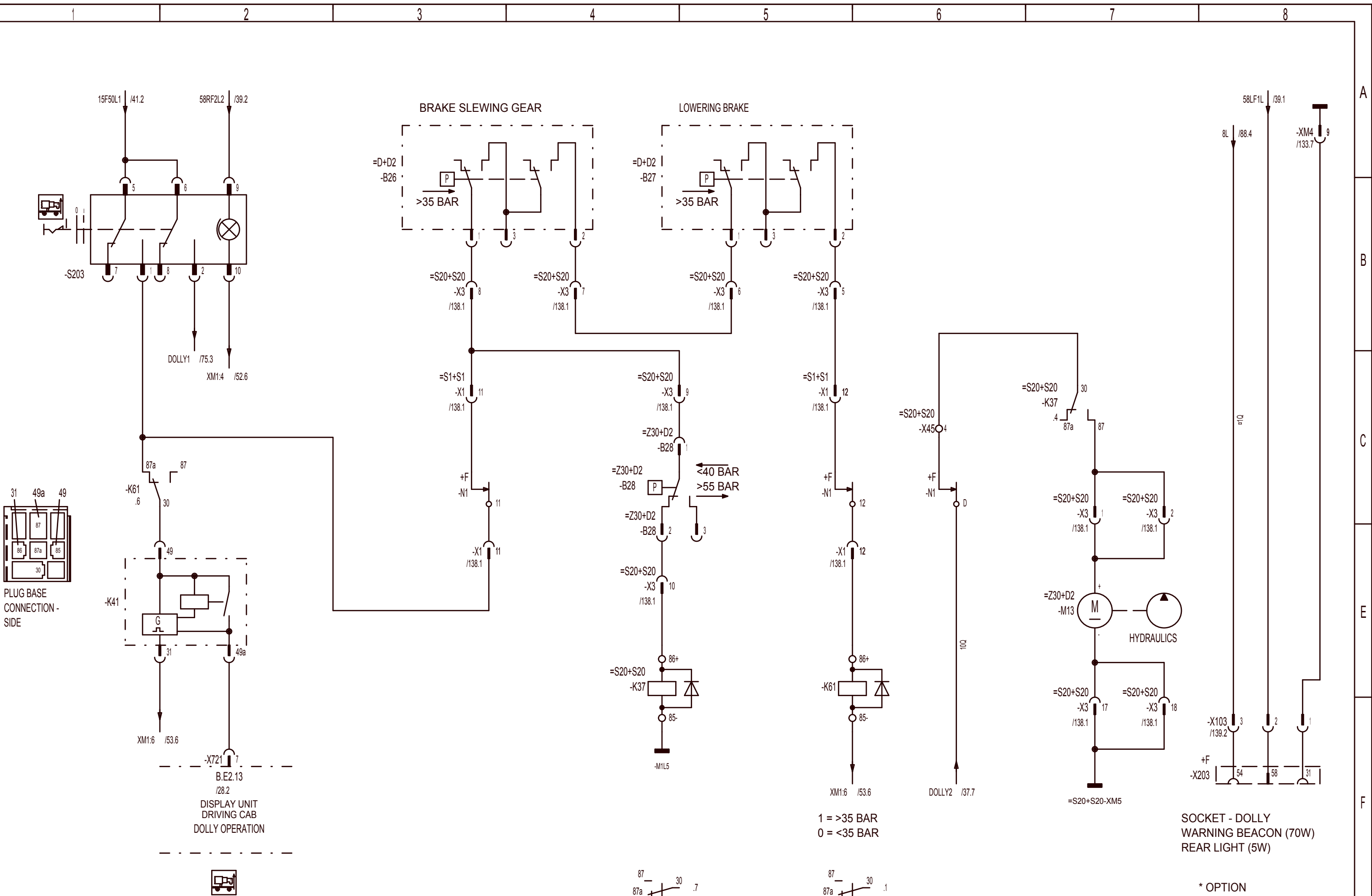
Makro:KRAFTSTOFFENT

VIEW BOTTOM



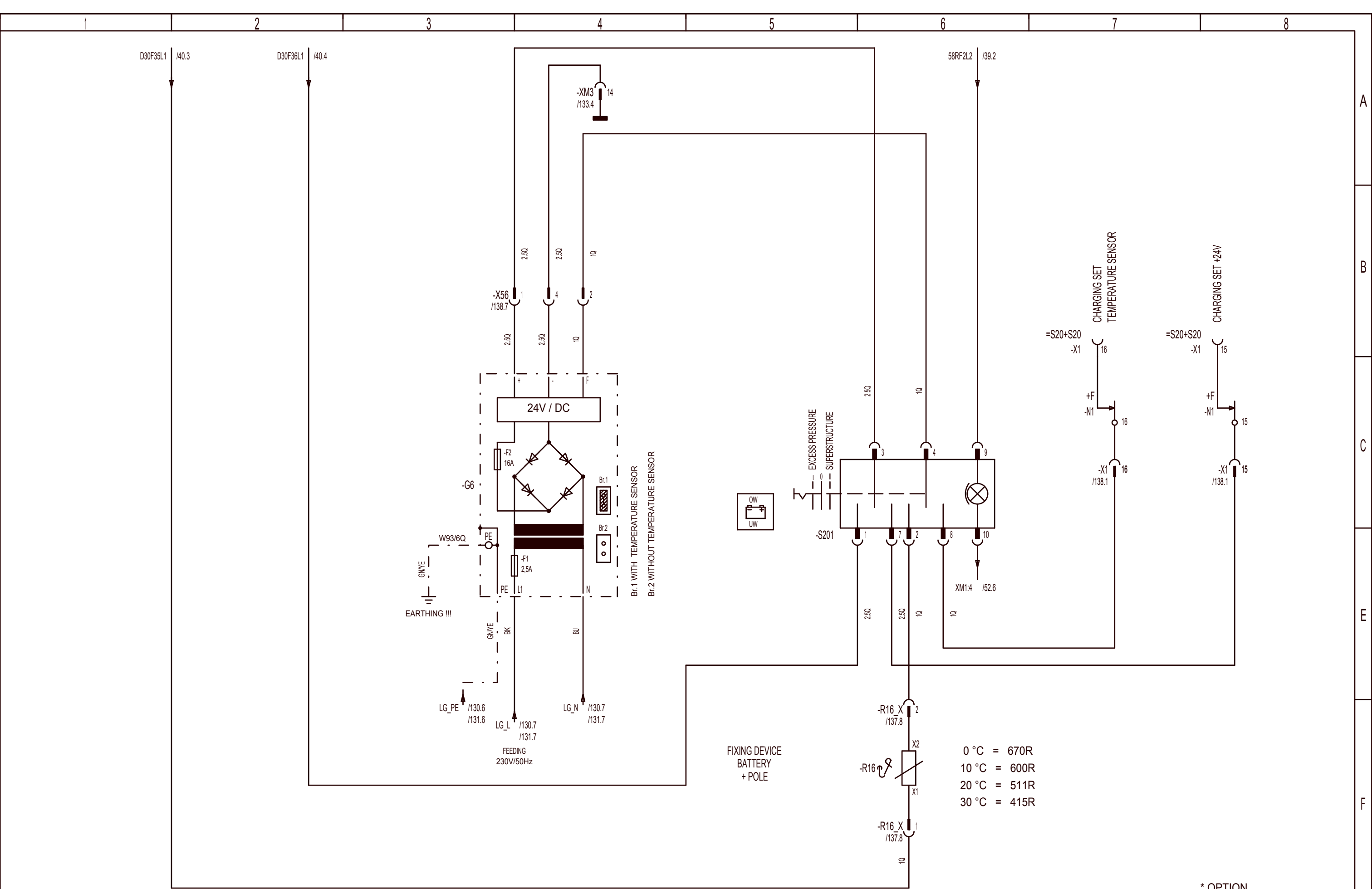
\* OPTION

3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* FUEL CONDENSATION REMOVAL	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0					+	H
1									Zeich-Nr.	3272-920.06.01.000-002		
	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153

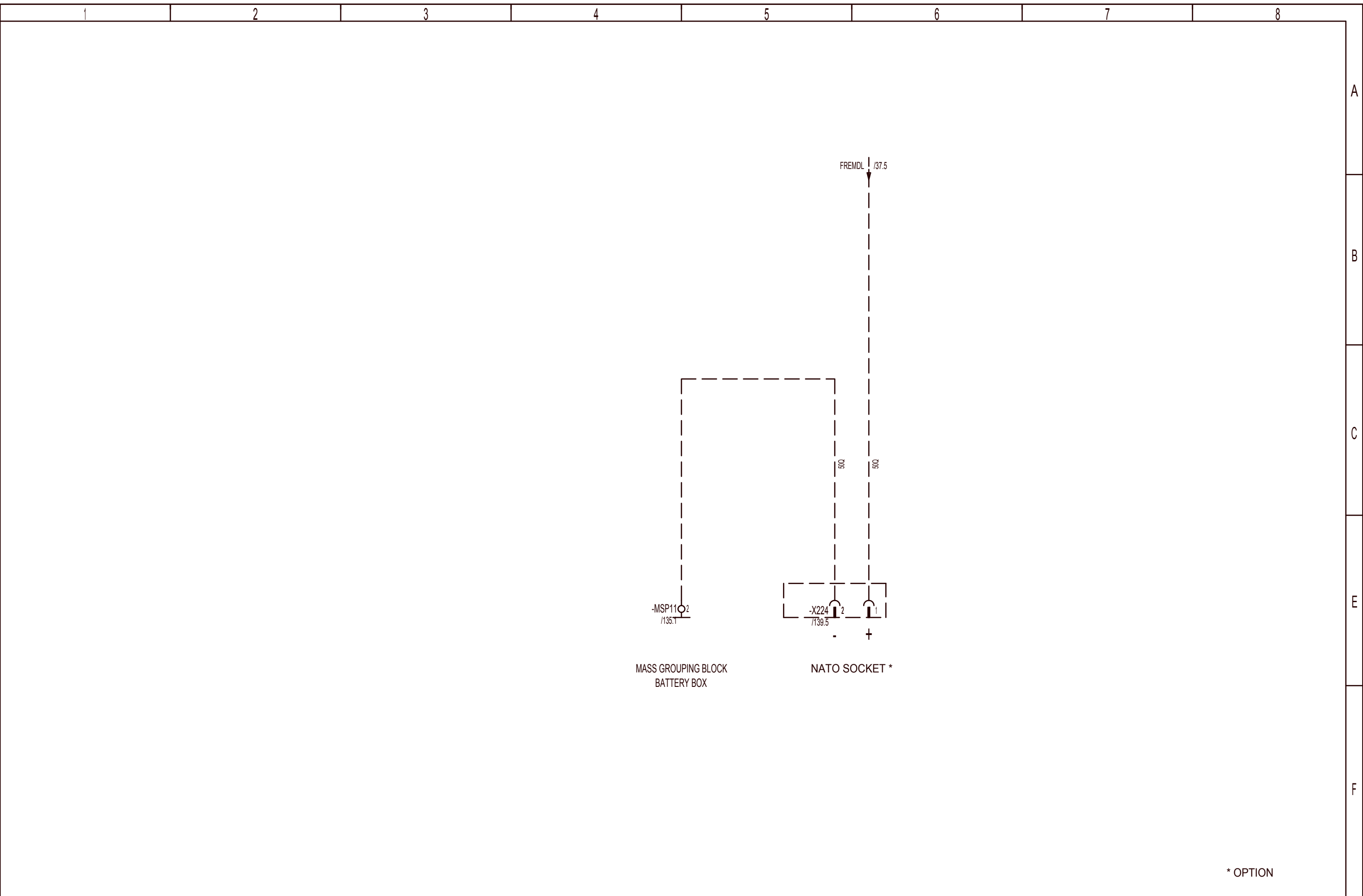


PLUG BASE  
CONNECTION -  
SIDE

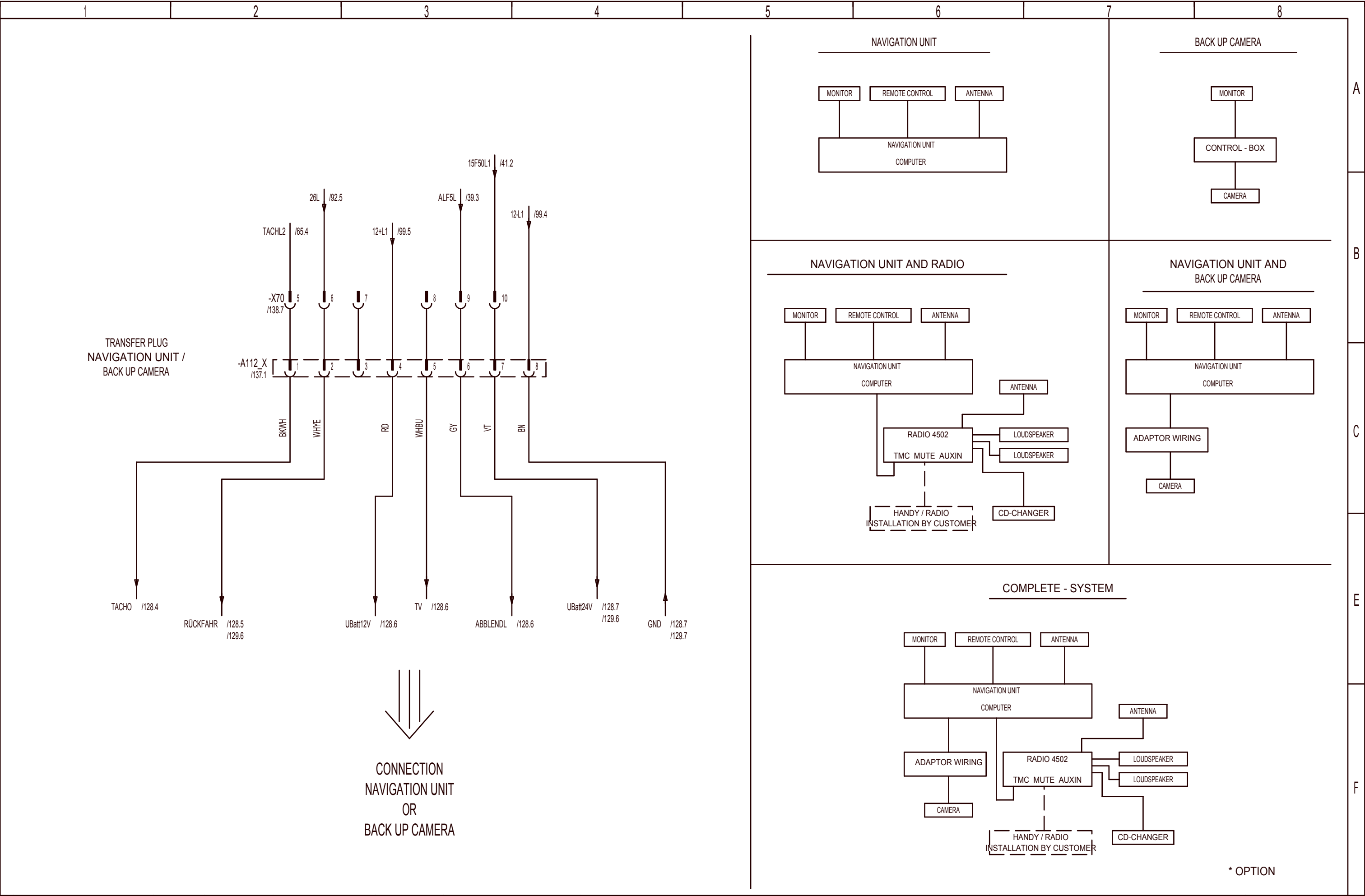
			Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* DOLLY	Ident-Nr. 984583708	Zeich-Nr. 3272-920.06.01.000-002	=	U
			Ausgabe	03.02.06	lwerof0					+	H
Änderung	Datum	Name									Datum

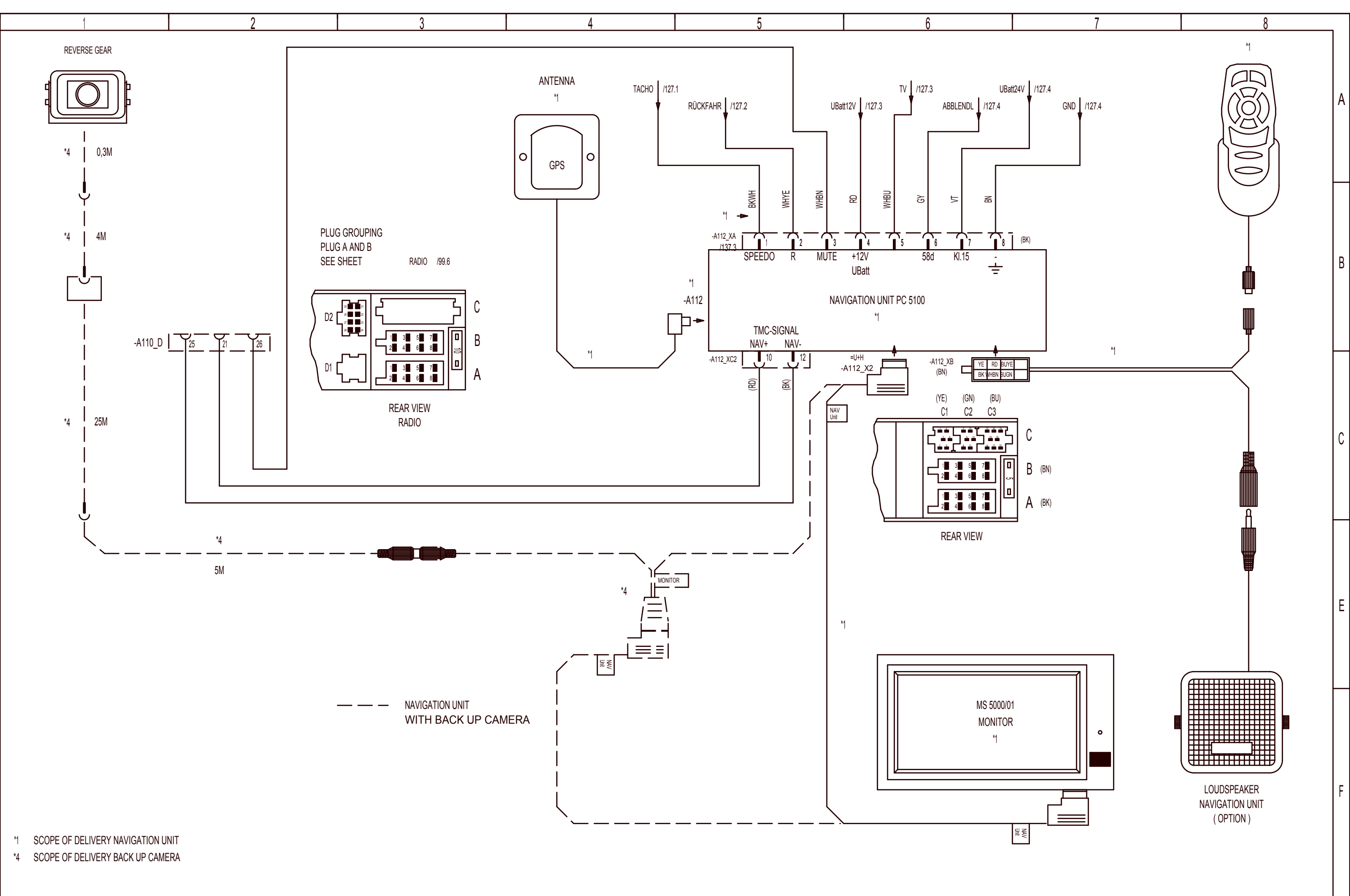


3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* CHARGING SET	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	125
	Änderung	Datum	Name		Datum	Name			Copyright (c)			von



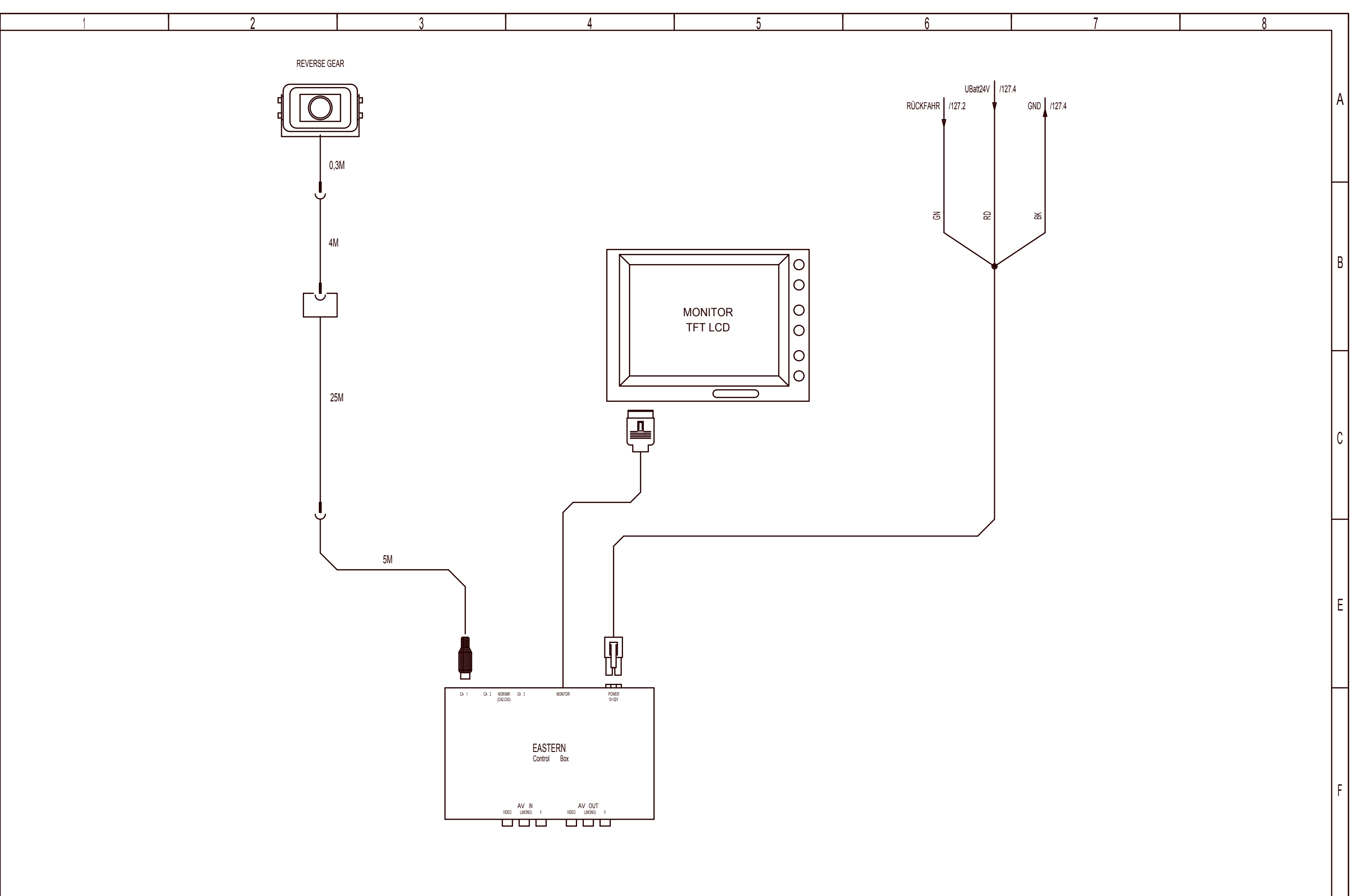
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* EXTERNAL FEEDING 24V	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0					EHINGEN	+
1									Blatt	126		
	Änderung	Datum	Name		Datum	Name	Copyright (c)		3272-920.06.01.000-002	von	153	





\*1 SCOPE OF DELIVERY NAVIGATION UNIT  
\*4 SCOPE OF DELIVERY BACK UP CAMERA

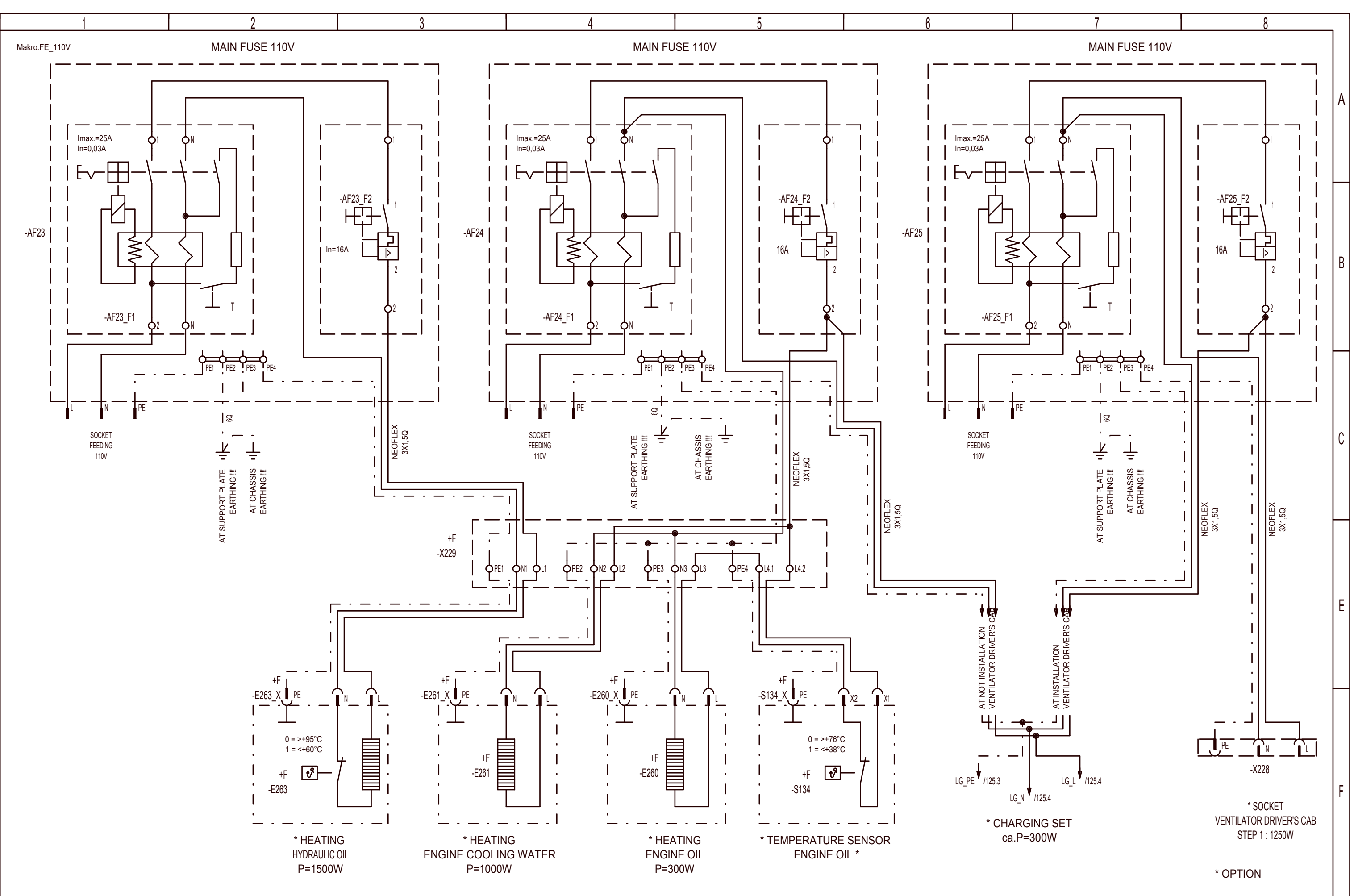
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* NAVIGATION UNIT BASIC VERSION ,  * NAVIGATION UNIT WITH BACK UP CAMERA	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	128
	Änderung	Datum	Name		Datum	Name	Copyright (c)			von	153	



3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* BACK UP CAMERA	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	129
	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153







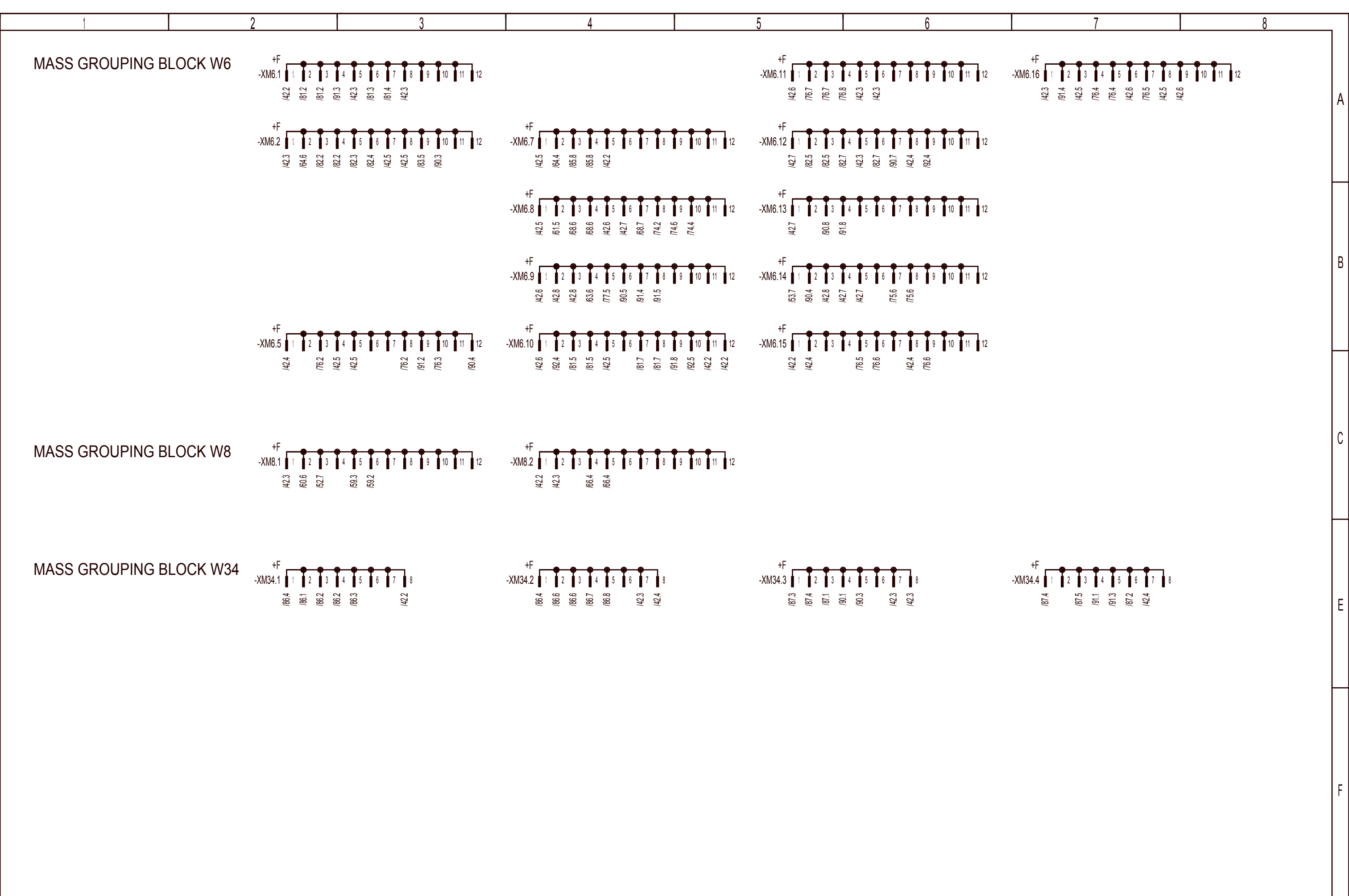
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	* EXTERNAL FEEDING 110V	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	131
	Änderung	Datum	Name		Datum	Name	Copyright (c)		von	153		












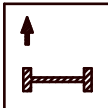
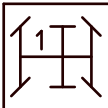




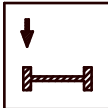
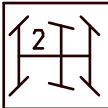




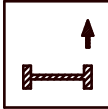
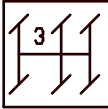

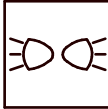


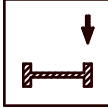
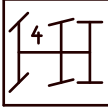

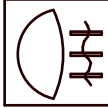



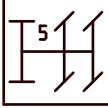

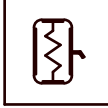

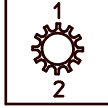
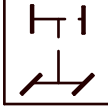
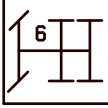




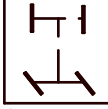
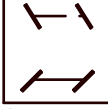


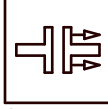


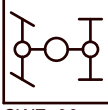













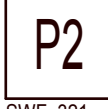







3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	OUTLINE OF DEVICE MASS GROUPING BLOCK	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	136
	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153




















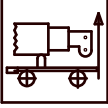



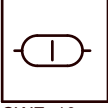
















1		2		3		4		5		6		7		8					
	TRAVEL RANGE SWITCH BACKWARDS		INCLINATION LEFT UP		DRIVING PROGRAM 1 REAR AXLE STEERING		CONFIRMATION		LIGHT		STEERING PUMP	A							
	TRAVEL RANGE SWITCH NEUTRAL		INCLINATION LEFT DOWN		DRIVING PROGRAM 2 REAR AXLE STEERING		HEATING		FOG LAMP		RES. PUMP								
	TRAVEL RANGE SWITCH FORWARD		INCLINATION RIGHT UP		DRIVING PROGRAM 3 REAR AXLE STEERING		HEATING WARM		PARKING LIGHT		PARKING BRAKE								
	SPEED HIGHER		INCLINATION RIGHT DOWN		DRIVING PROGRAM 4 REAR AXLE STEERING		HEATING COLD		FOG TAIL LAMP		EDDY CURRENT BRAKE / TELMA					B			
	SPEED LOWER		INFORMATION		DRIVING PROGRAM 5 REAR AXLE STEERING		VENTILATOR HIGHER		REAR MIRROR HEATING		SPEED LIMITATION								
	DRIVING PROGRAM 1 = ECONOMY 2= POWER		DEGREE OF LOCK RIGHT		DRIVING PROGRAM 6 REAR AXLE STEERING		VENTILATOR LOWER		OUTRIGGER LIGHTING		BRAKING SYSTEM								
	GEAR UP		DEGREE OF LOCK LEFT		REAR AXKE REKEASE		SEAT HEATING		WARNING BEACON		CONVERTER CLUTCH OPERN	C							
	GEAR BACK		LEVEL		LONGITUDINAL DIFFERENTIAL PAWL		AIR CONDITIONING EQUIPMENT		WARNING FLASHER		BRAKE LINING								
	OFF- ROAD GEAR		AXLES LOCKED		TRANSVERSAL DIFFERENTIAL PAWL		CIRCULATING AIR		COOLING WATER		TRANSMISSION FAILURE								
	LIGHTING DISPLAY UNIT KEY BOARD UNIT				TRANSVERSAL DIFFERENTIAL PAWL FRONT		FRESH AIR		AIR FILTER							E			
	PROGRAM 2				TRANSVERSAL DIFFERENTIAL PAWL REAR		HEATING FOOT SPACE		PREHEAT										
	POWER TAKE-OFF ON / OFF				EQUALIZATION		HEATING FRONT PANE		SUPPLEMENTARY BRAKE			F							

3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	DESCRIPTION OF SYMBOLS	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			Zeich-Nr.	3272-920.06.01.000-002	+	H
1											Blatt	140
	Änderung	Datum	Name		Datum	Name	Copyright (c)				von	153

1	2	3	4	5	6	7	8	
<div>  <div> DIRECTION INDICATOR POWERED UNIT </div> <div>SWF_27</div> </div>	<div>  <div> TRANSMISSION OIL TEMPERATURE </div> <div>SWF_36</div> </div>	<div>  <div> WINDSCREEN WIPER </div> <div>SWF_99</div> </div>	<div>  <div> SPEED MODIFICATIONS </div> <div>SWF_11</div> </div>	<div>  <div> WINDOW LIFTER </div> <div>SWF_195</div> </div>				A
<div>  <div> DIRECTION INDICATOR TRAILER </div> <div>SWF_29</div> </div>	<div>  <div> FUEL TANK INDICATOR </div> <div>SWF_23</div> </div>	<div>  <div> WINDSCREEN WASHER </div> <div>SWF_179</div> </div>	<div>  <div> ENGINE STOP </div> <div>SWF_28</div> </div>	<div>  <div> FUEL CONDENSATION REMOVAL </div> <div>SWF_374</div> </div>				
<div>  <div> AUTOMATIC ANTI-LOCK SYSTEM POWERED UNIT </div> <div>SWF_172</div> </div>	<div>  <div> ENGINE TEMPERATURE </div> <div>SWF_95</div> </div>	<div>  <div> HOOTER </div> <div>SWF_207</div> </div>	<div>  <div> LEVEL AUTOMATIC DOWN </div> </div>					B
<div>  <div> AUTOMATIC ANTI-LOCK SYSTEM TRAILER </div> <div>SWF_171</div> </div>	<div>  <div> ENGINE OIL PRESSURE </div> <div>SWF_16</div> </div>		<div>  <div> LEVEL AUTOMATIC UP </div> </div>					
<div>  <div> RELEASING DOLLY OPERATION </div> <div>SWF_149</div> </div>	<div>  <div> CHARGE CONTROL BATTERY </div> <div>SWF_25</div> </div>		<div>  <div> SUPPORT RAM DOWN </div> </div>					
<div>  <div> BRAKE FORCE REDUCTION </div> <div>SWF_98</div> </div>	<div>  <div> AIR PRESSURE RESERVE I </div> <div>SWF_19</div> </div>		<div>  <div> OUTRIGGERS UP </div> </div>					C
<div>  <div> SPEED </div> <div>SWF_284</div> </div>	<div>  <div> AIR PRESSURE RESERVE II </div> <div>SWF_20</div> </div>		<div>  <div> OUTRIGGER ON </div> </div>					
<div>  <div> TRANSMISSION </div> <div>SWF_278</div> </div>	<div>  <div> AIR PRESSURE RESERVE III </div> <div>SWF_21</div> </div>		<div>  <div> OUTRIGGER OFF </div> </div>					
<div>  <div> ATTENTION </div> <div>SWF_87</div> </div>	<div>  <div> BRAKE PRESSURE I </div> <div>SWF_279</div> </div>							E
	<div>  <div> BRAKE PRESSURE II </div> <div>SWF_280</div> </div>							F

3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	DESCRIPTION OF SYMBOLS	Ident-Nr.	984583708	=	U
2				Ausgabe	03.02.06	lwerof0			+	H		
1									Zeich-Nr.	3272-920.06.01.000-002	Blatt	141
	Änderung	Datum	Name		Datum	Name			Copyright (c)			von

1		2		3		4		5		6		7		8	
DISTINGUISHING SIGN		= SYSTEM		DISTINGUISHING SIGN		- TYPE OF MATERIAL		CLAMP SIGNAL		DESCRIPTION OFF DIN 72552		FUSES			
U		EXCESS PRESSURE		A		COMPONENTS / SUBASSEMBLIES		15		(+) BATTERY SWITCHED AFTER IGNITION SWITCH		A		COLOURS	
D		SUPERSTRUCTURE		B		CONVERTERS NOT ELECTR. VALUE <=> ELECTR. VALUE		30		(+) BATTERY		2		GY GREY	
A		BOOM		C		CONDENSER		30b		(+) BATTERY SWITCHED AFTER BATTERY MASTER SWITCH		3		VT VIOLET	
F		CHASSIS		D		TIME-LAG DEVICES-MEMORY DEVICES-BINARY CELLS		31		(-) BATTERY		5		LB BEIGE	
												7,5		BN BROWN	
												10		RD RED	
												15		BU BLUE	
												20		YE YELLOW	
												30		GN GREEN	
DISTINGUISHING SIGN		+ LOCATION EXCESS PRESSURE		E		MISCELLANEOUS		31b		(-) BATTERY SWITCHED AFTER BATTERY MASTER SWITCH					
H		DRIVER'S CAB		F		PROTECTIVE RELAYS		49		FLASHER UNIT					
F		VEHICLE		G		GENERATORS / POWER SUPPLIES		50		STARTER					
S		SWITCH CABINET		H		SIGNALLING DEVICES		50e		START INHIBITING RELAY - INPUT					
				K		RELAY / CONTACTORS		50f		START INHIBITING RELAY - OUTLET					
				L		INDUCTANCES		52		TRAILER - SIGNAL					
				M		ENGINE		53,a,b,c,e,i		WIPER ENGINE					
				N		SLIP RING TRANSMISSION		54		STOP LIGHT					
				P		MEASURING EQUIPMENT / TESTING DEVICES		54g		TRAILER - SIGNAL ( COMPRESSED-AIR SYSTEM )					
				Q		POWER CURRENT - JUMPER WIRES		55		FOG LAMP					
				R		RESISTORS		56,a,b,d		LOW BEAM					
				S		SWITCH		57,a,L,R		PARKING LIGHT					
				T		TRANSFORMERS		58,b,c,d,L,R		SIDE MARKER LAMP ,REAR LIGHT , LICENCE PLATE LIGHT ,INSTRUMENT LIGHTING					
				U		MODULATORS / CONVERTERS									
				V		SEMICONDUCTOR									
				W		CIRCUITS									
				X		CRAMP / PLUG / SOCKET									
				Y		VALVES									
				Z		TERMINATION, EQUALIZERS, FILTERS,-DELIMITERS, CABLE CONNECTIONS									

3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	KEY OF SYMBOLS		Ident-Nr.	984583708	=	U	
2				Ausgabe	03.02.06	lwerof0					Zeich-Nr.	3272-920.06.01.000-002	+	H
1													Blatt	142
	Änderung	Datum	Name		Datum	Name	Copyright (c)					von	153	

1				2				3				4				5				6				7				8			
BMK		SYSTEM		PLACE		SHEET		BMK		SYSTEM		PLACE		SHEET		BMK		SYSTEM		PLACE		SHEET									
-A1	=U	+H	26.1			-A77	=U	+H	62.2			-A130_X1	=U	+F	137.1																
-A5	=U	+H	28.1			-A99	=U	+H	122.3			-A130_X2	=U	+F	137.2																
-A9	=U	+F	30.2			-A99_X1	=U	+H	137.1			-A130_X3	=U	+F	137.1																
-A9_X	=U	+F	30.1			-A99_X2	=U	+H	137.3			-A130_X4	=U	+F	137.1																
-A10	=U	+F	31.2			-A99_X3	=U	+H	137.1			-A130_X5	=U	+F	137.2																
-A10_X	=U	+F	31.1			-A100	=U	+H	134.2			-A130_X6	=U	+F	137.3																
-A11	=U	+H	21.1			-A100_R2	=U	+H	46.1			-A130_X7	=U	+F	137.3																
-A12	=U	+H	22.1			-A100_R3	=U	+H	75.8			-A130_X8	=U	+F	137.1																
-A13	=U	+F	23.1			-A100_V1	=U	+H	58.5			-A131	=U	+H	103.7																
-A14	=U	+F	24.1			-A103	=U	+F	79.1			-A131	=U	+F	104.7																
-A15	=U	+H	25.1			-A103_X	=U	+F	137.2			-A132	=U	+F	106.2																
-A51	=U	+H	33.1			-A104	=U	+F	80.4			-A132_XA	=U	+F	137.2																
-A60	=U	+H	36.1			-A104_X	=U	+F	137.1			-A132_XB	=U	+F	137.3																
-A61	=U	+F	34.1			-A110	=U	+H	99.5			-A132_XC	=U	+F	137.1																
-A62	=U	+H	35.1			-A110_A	=U	+H	137.1			-A133	=U	+F	106.6																
-A68	=U	+F	70.4			-A110_B	=U	+H	137.2			-A134	=U	+F	109.3																
-A68_B1	=U	+F	70.4			-A110_D	=U	+H	128.2			-A134_X	=U	+H	137.3																
-A68_Y1	=U	+F	70.6			-A111_X	=U	+H	137.1			-A135	=U	+F	109.6																
-A68_Y2	=U	+F	70.7			-A112	=U	+H	128.5			-A135_X1	=U	+H	137.1																
-A69	=U	+F	67.1			-A112_X	=U	+H	137.1			-A135_X2	=U	+H	137.2																
-A69_X	=U	+F	137.1			-A112_XA	=U	+H	137.3			-A135_X3	=U	+H	137.3																
-A70	=U	+H	65.3			-A112_XC2	=U	+H	128.5			-A135_X4	=U	+H	137.3																
-A71	=U	+H	46.1			-A130	=U	+H	103.3			-A135_X5	=U	+H	137.1																
-A73	=U	+H	123.4			-A130	=U	+F	104.3			-A135_X8	=U	+H	137.2																
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN		OPERATING EQUIPMENT								Ident-Nr. 984583708				= U										
2				Ausgabe	03.02.06	lwerof0											+				H										
1																	Blatt 143														
	Änderung	Datum	Name		Datum	Name											Copyright (c)				Zeich-Nr. 3272-920.06.01.000-002				von 153						

1				2			3			4			5			6			7			8		
BMK		SYSTEM		PLACE	SHEET	BMK		SYSTEM		PLACE	SHEET	BMK		SYSTEM		PLACE	SHEET	BMK		SYSTEM		PLACE	SHEET	
-A136	=U	+H	110.3			-AF20	=U	+H	39.8			-B12_X	=U	+F	137.5			-B12_X	=U	+F	137.5			
-A136_X2	=U	+H	137.2			-AF23	=U	+H	131.1			-B13	=U	+F	118.2			-B13	=U	+F	118.2			
-A137	=U	+H	110.3			-AF23_F1	=U	+H	131.1			-B13_X	=U	+F	137.5			-B13_X	=U	+F	137.5			
-A137_M	=U	+H	110.5			-AF23_F2	=U	+H	131.3			-B14	=U	+F	118.3			-B14	=U	+F	118.3			
-A137_R1	=U	+H	110.6			-AF24	=U	+H	131.3			-B14_X	=U	+F	137.4			-B14_X	=U	+F	137.4			
-A137_R2	=U	+H	110.7			-AF24	=U	+H	130.1			-B26	=D	+D2	124.3			-B26	=D	+D2	124.3			
-A137_X1	=U	+H	137.4			-AF24_F1	=U	+H	131.4			-B27	=D	+D2	124.4			-B27	=D	+D2	124.4			
-A137_X2	=U	+H	137.4			-AF24_F1	=U	+H	130.1			-B28	=Z30	+D2	124.4			-B28	=Z30	+D2	124.4			
-A137_X3	=U	+H	137.5			-AF24_F2	=U	+H	131.5			-B28	=U	+F	65.1			-B28	=U	+F	65.1			
-A137_X4	=U	+H	137.6			-AF24_F2	=U	+H	130.3			-B29	=U	+F	66.7			-B29	=U	+F	66.7			
-A137_X5	=U	+H	137.4			-AF25	=U	+H	131.6			-B29_X	=U	+F	137.5			-B29_X	=U	+F	137.5			
-A145	=U	+H	100.1			-AF25	=U	+H	130.6			-B30	=U	+H	54.4			-B30	=U	+H	54.4			
-A145_X	=U	+H	137.3			-AF25_F1	=U	+H	130.6			-B30_X	=U	+H	137.5			-B30_X	=U	+H	137.5			
-A150	=U	+H	96.1			-AF25_F1	=U	+H	131.6			-B31	=U	+F	57.5			-B31	=U	+F	57.5			
-A150_E	=U	+H	96.3			-AF25_F2	=U	+H	130.8			-B31_X	=U	+F	137.4			-B31_X	=U	+F	137.4			
-A150_M1	=U	+H	96.2			-AF25_F2	=U	+H	131.8			-B32	=U	+F	57.7			-B32	=U	+F	57.7			
-A150_M2	=U	+H	96.2			-B5	=U	+H	72.1			-B33	=U	+F	57.2			-B33	=U	+F	57.2			
-A150_X	=U	+H	137.4			-B6	=U	+H	72.3			-B33_X	=U	+F	137.5			-B33_X	=U	+F	137.5			
-A151	=U	+H	96.4			-B7	=U	+H	72.5			-B35	=U	+F	56.1			-B35	=U	+F	56.1			
-A151_E	=U	+H	96.6			-B8	=U	+H	72.5			-B35_X	=U	+F	137.6			-B35_X	=U	+F	137.6			
-A151_M1	=U	+H	96.4			-B9	=U	+H	72.3			-B36	=U	+F	56.3			-B36	=U	+F	56.3			
-A151_M2	=U	+H	96.5			-B11	=U	+F	118.7			-B36_X	=U	+F	137.4			-B36_X	=U	+F	137.4			
-A151_X	=U	+H	137.5			-B11_X	=U	+F	137.4			-B37	=U	+F	56.6			-B37	=U	+F	56.6			
-AF0	=U	+H	37.3			-B12	=U	+F	118.5			-B37_X	=U	+F	137.5			-B37_X	=U	+F	137.5			
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN		OPERATING EQUIPMENT						Ident-Nr.		984583708		=		U			
2				Ausgabe	03.02.06	lwerof0									Zeich-Nr.		3272-920.06.01.000-002		+		H			
1															Blatt		144							
	Änderung	Datum	Name		Datum	Name	Copyright (c)								von		153							

1				2				3				4				5				6				7				8			
BMK		SYSTEM		PLACE		SHEET		BMK		SYSTEM		PLACE		SHEET		BMK		SYSTEM		PLACE		SHEET									
-B38	=U	+F	56.4			-B142	=U	+F	112.3			-E39	=U	+H	89.7																
-B47	=U	+F	58.3			-B143	=U	+F	112.5			-E40	=U	+H	86.6																
-B47_X	=U	+F	137.5			-B144	=U	+F	112.7			-E41	=U	+F	91.1																
-B47_Y1	=U	+F	58.5			-E1	=U	+H	86.7			-E42	=U	+F	91.1																
-B48	=U	+H	60.1			-E2	=U	+H	86.2			-E43	=U	+F	91.2																
-B50	=U	+F	79.2			-E3	=U	+H	86.8			-E50	=U	+H	86.1																
-B50_X	=U	+F	137.4			-E4	=U	+H	86.3			-E51	=U	+F	90.1																
-B51	=U	+F	79.3			-E5	=U	+H	86.6			-E52	=U	+F	90.1																
-B51_X	=U	+F	137.5			-E6	=U	+H	86.2			-E53	=U	+F	90.2																
-B52	=U	+F	79.4			-E10	=U	+H	87.1			-E60	=U	+F	91.3																
-B52_X	=U	+F	137.4			-E11	=U	+H	87.2			-E61	=U	+F	91.3																
-B70	=U	+F	63.6			-E14	=U	+H	87.4			-E62	=U	+F	91.4																
-B70_X	=U	+F	137.4			-E15	=U	+H	87.5			-E63	=U	+F	91.4																
-B100	=U	+F	119.4			-E20	=U	+H	88.4			-E64	=U	+F	91.5																
-B100_X	=U	+F	137.5			-E22	=U	+H	88.6			-E75	=U	+F	91.8																
-B121	=U	+F	120.2			-E25	=U	+H	88.1			-E75_X	=U	+F	137.5																
-B121_X	=U	+F	137.4			-E26	=U	+H	88.2			-E79	=U	+F	91.8																
-B122	=U	+F	120.4			-E27	=U	+H	88.3			-E80	=U	+F	90.3																
-B122_X	=U	+F	137.5			-E28	=U	+H	88.2			-E81	=U	+F	90.3																
-B123	=U	+F	120.5			-E34	=U	+H	89.3			-E82	=U	+F	90.4																
-B123_X	=U	+F	137.5			-E35	=U	+H	89.4			-E83	=U	+F	90.4																
-B124	=U	+F	120.7			-E36	=U	+H	89.4			-E84	=U	+F	90.5																
-B124_X	=U	+F	137.4			-E37	=U	+H	89.6			-E95	=U	+F	90.7																
-B141	=U	+F	112.1			-E38	=U	+H	89.6			-E95_X	=U	+F	137.6																
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN		OPERATING EQUIPMENT								Ident-Nr.		984583708		=		U								
2				Ausgabe	03.02.06	lwerof0											+		H												
1																	Blatt		145												
	Änderung	Datum	Name		Datum	Name											Copyright (c)										von		153		

1				2				3				4				5				6				7				8										
BMK		SYSTEM		PLACE		SHEET		BMK		SYSTEM		PLACE		SHEET		BMK		SYSTEM		PLACE		SHEET																
-E99	=U	+F	90.8			-E129_X	=U	+F	137.5			-F79	=U	+H	37.5			-E100	=U	+F	95.5			-E200	=U	+H	96.6			-F80	=U	+H	37.5					
-E101	=U	+F	95.6			-E200_X	=U	+H	137.6			-F81	=U	+H	37.4			-E102	=U	+F	95.5			-E201	=U	+H	96.7			-F82	=U	+H	37.4					
-E103	=U	+F	95.7			-E202	=U	+H	116.3			-G1	=U	+H	37.3			-E128	=U	+F	92.1			-E202_E1	=U	+H	116.3			-G2	=U	+H	37.3					
-E128_E1	=U	+F	92.1			-E202_E2	=U	+H	116.4			-G3	=U	+H	37.4			-E128_E2	=U	+F	92.2			-E202_S	=U	+H	116.3			-G4	=U	+H	37.4					
-E128_E3	=U	+F	92.2			-E202_X	=U	+H	137.7			-G6	=U	+H	125.3			-E128_E4	=U	+F	92.2			-E203	=U	+H	116.5			-G7	=U	+F	52.2					
-E128_E5	=U	+F	92.3			-E203_E1	=U	+H	116.5			-G7_X	=U	+F	137.6			-E128_E6	=U	+F	92.3			-E203_E2	=U	+H	116.6			-H4	=U	+H	99.7					
-E128_E7	=U	+F	92.3			-E203_S	=U	+H	116.5			-H5	=U	+H	99.4			-E128_E8	=U	+F	92.4			-E203_X	=U	+H	137.8			-H30	=U	+H	123.5					
-E128_X	=U	+F	137.4			-E204	=U	+H	98.6			-H51	=U	+F	85.8			-E129	=U	+F	92.5			-E204_X	=U	+H	137.8			-H52	=U	+F	85.8					
-E129_E1	=U	+F	92.8			-E230	=U	+F	59.2			-H53	=U	+F	92.5			-E129_E1	=U	+F	92.8			-E231	=U	+F	52.7			-K37	=S20	+S20	124.4					
-E129_E2	=U	+F	92.8			-E260	=U	+F	130.3			-K40	=U	+H	85.5			-E129_E2	=U	+F	92.8			-E260	=U	+F	131.4			-K40_X	=U	+H	137.8					
-E129_E3	=U	+F	92.7			-E261	=U	+F	131.3			-K41	=U	+H	124.1			-E129_E3	=U	+F	92.7			-E261	=U	+F	130.2			-K48	=U	+H	117.4					
-E129_E4	=U	+F	92.7			-E263	=U	+F	130.1			-K49	=U	+H	88.4			-E129_E4	=U	+F	92.7			-E263	=U	+F	131.2			-K50	=U	+H	53.6					
-E129_E5	=U	+F	92.6															-E129_E5	=U	+F	92.6																	
-E129_E6	=U	+F	92.6															-E129_E6	=U	+F	92.6																	
-E129_E7	=U	+F	92.6															-E129_E7	=U	+F	92.6																	
-E129_E8	=U	+F	92.5															-E129_E8	=U	+F	92.5																	
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN				OPERATING EQUIPMENT										Ident-Nr.				984583708				=		U							
2				Ausgabe	03.02.06	lwerof0															+		H															
1																					Zeich-Nr.				3272-920.06.01.000-002				Blatt		146							
	Änderung	Datum	Name		Datum	Name	Copyright (c)																								von				153			



1				2			3			4			5			6			7			8		
BMK		SYSTEM		PLACE		SHEET		BMK		SYSTEM		PLACE		SHEET		BMK		SYSTEM		PLACE		SHEET		
-K51	=U	+H	53.4			-M10	=U	+H	85.7			-MSP15	=U	+F	135.1									
-K52	=U	+H	87.2			-M11	=U	+H	97.2			-MSP16	=U	+F	135.3									
-K53	=U	+H	60.4			-M11_X	=U	+H	137.7			-MSP17	=U	+F	135.3									
-K54	=U	+H	59.2			-M12	=U	+H	97.6			-MSP18	=U	+F	135.3									
-K55	=U	+H	60.5			-M12_X	=U	+H	137.8			-MSP19	=U	+F	135.3									
-K56	=U	+H	60.5			-M13	=Z30	+D2	124.7			-MSP21	=U	+F	135.4									
-K61	=U	+H	124.6			-M17	=U	+F	102.2			-MSP22	=U	+F	135.4									
-K70	=U	+H	94.5			-M17_X	=U	+F	137.6			-MSP23	=U	+F	135.4									
-K71	=U	+H	94.6			-M18	=U	+F	102.2			-MSP24	=U	+F	135.6									
-K72	=U	+H	94.6			-M19	=U	+F	102.5			-N1	=U	+F	132.1									
-K73	=U	+H	94.7			-M20	=U	+H	100.3			-P10	=U	+H	65.1									
-K74	=U	+H	94.8			-M20_X	=U	+H	137.7			-P10_XA	=U	+H	137.6									
-K75	=U	+H	94.8			-M21	=U	+H	100.5			-P10_XB	=U	+H	137.8									
-K76	=U	+H	102.6			-M21_X	=U	+H	137.8			-P10_XD	=U	+H	137.6									
-K77	=U	+H	102.1			-M35	=U	+F	109.8			-P11	=U	+H	65.5									
-K78	=U	+H	102.4			-M36	=U	+F	110.7			-P11_XA	=U	+H	137.8									
-K79	=U	+H	102.5			-MSP7	=U	+H	133.7			-P11_XB	=U	+H	137.6									
-K233	=U	+F	106.6			-MSP8	=U	+H	133.6			-P11_XD	=U	+H	137.8									
-L17	=U	+F	62.3			-MSP9	=U	+H	133.5			-P14	=U	+H	52.5									
-M1	=U	+F	52.2			-MSP10	=U	+H	133.4			-P15	=U	+H	101.4									
-M2	=U	+H	64.2			-MSP11	=U	+H	135.1			-P15_X	=U	+H	137.6									
-M8	=U	+H	117.5			-MSP12	=U	+H	135.1			-P30	=U	+F	55.2									
-M9	=U	+H	85.5			-MSP13	=U	+F	135.1			-P30_X	=U	+F	137.8									
-M9_X	=U	+H	137.6			-MSP14	=U	+F	135.1			-P31	=U	+F	58.1									
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN					OPERATING EQUIPMENT					Ident-Nr.		984583708		=		U	
2				Ausgabe	03.02.06	lwerof0											+		H					
1																	Blatt		147					
	Änderung	Datum	Name		Datum	Name	Copyright (c)										3272-920.06.01.000-002		von		153			

1				2			3		4		5		6		7			8	
												A	B	C	D	E	F		
BMK	SYSTEM		PLACE	SHEET	BMK	SYSTEM		PLACE	SHEET	BMK	SYSTEM							PLACE	SHEET
-P31_X =U	+F	137.6			-S25_X =U	+H	137.8			-S134 =U	+F	130.4							
-R9 =U	+F	60.7			-S30 =U	+F	74.2			-S134 =U	+F	131.5							
-R16 =U	+H	125.6			-S31 =U	+F	74.2			-S159 =U	+H	111.4							
-R16_X =U	+H	137.8			-S33 =U	+F	74.3			-S189 =U	+F	137.6							
-R25 =U	+H	64.2			-S41 =U	+F	74.4			-S190 =U	+F	121.5							
-R66 =U	+H	58.5			-S42 =U	+F	74.5			-S201 =U	+H	125.6							
-R66_X =U	+H	137.8			-S43 =U	+F	74.6			-S203 =U	+H	124.1							
-S1 =U	+H	37.2			-S44 =U	+F	74.7			-S205 =U	+H	75.2							
-S4 =U	+H	85.2			-S50 =U	+F	75.6			-SP1 =U	+F	74.2							
-S4_X =U	+H	137.6			-S51 =U	+F	75.7			-SP3 =U	+F	77.2							
-S5 =U	+H	61.3			-S60 =U	+F	76.2			-SP4 =U	+F	77.1							
-S5_X =U	+H	137.6			-S61 =U	+F	76.4			-SPCAN.1 =U	+F	51.5							
-S12 =U	+H	88.4			-S62 =U	+F	76.5			-SPCAN.2 =U	+F	78.4							
-S13 =U	+H	88.6			-S63 =U	+F	76.7			-SPCAN.3 =U	+F	78.5							
-S14 =U	+H	97.2			-S64 =U	+F	68.4			-U1 =U	+H	99.4							
-S15 =U	+H	97.4			-S65 =U	+F	68.5			-U1_X =U	+H	137.7							
-S16 =U	+H	97.7			-S89 =U	+F	77.7			-U2 =U	+H	94.5							
-S17 =U	+H	38.2			-S90 =U	+F	77.5			-U2_X =U	+H	137.8							
-S18 =U	+H	133.1			-S112 =U	+H	111.4			-X1 =U	+H	138.1							
-S19 =U	+H	96.3			-S114 =U	+H	71.8			-X1 =S1	+S1	138.1							
-S22 =U	+H	69.7			-S116 =U	+H	71.7			-X3 =S20	+S20	138.1							
-S23 =U	+H	68.7			-S117 =U	+F	59.5			-X3 =U	+H	138.1							
-S24 =U	+H	39.8			-S118 =U	+F	64.5			-X4 =U	+H	138.2							
-S25 =U	+H	109.1			-S119 =U	+F	64.7			-X7 =U	+H	138.1							
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN	OPERATING EQUIPMENT				Ident-Nr. 984583708		= U					
2				Ausgabe	03.02.06	lwerof0						Zeich-Nr. 3272-920.06.01.000-002		+ H					
1												Blatt 148							
	Änderung	Datum	Name		Datum	Name						von 153							

1				2			3			4			5			6			7			8		
BMK		SYSTEM		PLACE		SHEET		BMK		SYSTEM		PLACE		SHEET		BMK		SYSTEM		PLACE		SHEET		
-X8	=U	+H	138.1			-X44	=U	+F	34.1			-X88	=U	+H	138.6			-X89	=U	+H	138.8			
-X9	=U	+H	138.1			-X45	=U	+F	34.5			-X90	=U	+H	138.6			-X91	=U	+H	138.7			
-X10	=U	+H	138.1			-X46	=U	+H	35.1			-X92	=U	+H	138.8			-X93	=U	+H	138.6			
-X11	=U	+H	138.1			-X50	=U	+H	133.1			-X94	=U	+H	36.1			-X95	=U	+H	36.7			
-X12	=U	+H	138.1			-X53	=U	+H	138.6			-X96	=U	+H	36.1			-X97	=U	+H	36.5			
-X13	=U	+H	138.1			-X54	=U	+H	138.7			-X100	=U	+H	139.1			-X102	=U	+H	139.1			
-X15	=U	+H	138.1			-X56	=U	+H	138.7			-X103	=U	+H	139.2			-X105	=U	+H	139.1			
-X16	=U	+H	138.3			-X57	=U	+H	138.8			-X107	=U	+H	139.1			-X111	=U	+H	139.3			
-X17	=U	+H	138.3			-X64	=U	+H	138.6			-X112	=U	+H	139.1			-X115	=U	+H	139.2			
-X18	=U	+H	138.3			-X65	=U	+H	138.6			-X116	=U	+H	139.2			-X117	=U	+H	139.3			
-X19	=U	+H	138.3			-X67	=U	+H	138.7			-X130	=U	+H	139.1			-X130_B	=U	+H	139.1			
-X20	=U	+H	138.3			-X68	=U	+H	138.7			-X131	=U	+H	139.1			-X133	=U	+F	139.2			
-X21	=U	+H	138.3			-X70	=U	+H	138.7															
-X22	=U	+H	138.3			-X71	=U	+H	138.6															
-X23	=U	+H	138.3			-X74	=U	+H	138.7															
-X24	=U	+H	138.3			-X75	=U	+H	138.6															
-X25	=U	+H	138.3			-X76	=U	+H	138.6															
-X26	=U	+H	138.3			-X79	=U	+H	138.6															
-X27	=U	+H	138.3			-X80	=U	+H	138.7															
-X28	=U	+H	138.4			-X81	=U	+H	138.6															
-X29	=U	+H	138.6			-X82	=U	+H	138.7															
-X37	=U	+H	138.7			-X84	=U	+H	138.8															
-X38	=U	+H	138.8			-X86	=U	+H	138.6															
-X39	=U	+F	138.6			-X87	=U	+H	138.7															
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN					OPERATING EQUIPMENT					Ident-Nr.		984583708		=		U	
2				Ausgabe	03.02.06	lwerof0											+		H					
1																	Blatt		149					
	Änderung	Datum	Name		Datum	Name											Copyright (c)							Zeich-Nr.

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BMK		SYSTEM		PLACE		SHEET		BMK		SYSTEM		PLACE		SHEET		BMK		SYSTEM		PLACE		SHEET															
-X134	=U	+H	139.3			-X229	=U	+F	131.3			-X635	=U	+F	23.1			-X641	=U	+F	24.2																
-X135	=U	+H	139.1			-X233	=U	+F	139.4			-X642	=U	+F	24.3			-X643	=U	+F	24.1																
-X136	=U	+H	139.2			-X234	=U	+F	139.4			-X644	=U	+F	24.1			-X645	=U	+F	24.1																
-X137	=U	+H	139.3			-X235	=U	+F	139.4			-X651	=U	+H	25.2			-X652	=U	+H	25.3																
-X138	=U	+H	139.1			-X240	=U	+F	139.5			-X653	=U	+H	25.1			-X654	=U	+H	25.1																
-X190	=U	+H	133.1			-X271	=U	+H	33.5			-X655	=U	+H	25.1			-X711	=U	+H	26.1																
-X190_B	=U	+H	133.1			-X272	=U	+H	33.1			-X712	=U	+H	26.1			-X713	=U	+H	26.1																
-X198	=U	+H	139.4			-X273	=U	+H	33.1			-X714	=U	+H	26.1			-X721	=U	+H	28.2																
-X199	=U	+H	122.6			-X274	=U	+H	33.2			-X724	=U	+H	28.1			-XM1	=U	+H	133.4																
-X199_X	=U	+H	139.4			-X275	=U	+H	33.5			-XM2	=U	+H	133.4			-XM3	=U	+H	133.4																
-X200	=U	+F	139.4			-X611	=U	+H	21.2			-XM4	=U	+H	133.7			-XM5	=U	+H	133.7																
-X202	=U	+F	139.4			-X612	=U	+H	21.3			-XM6	=U	+H	133.7			-XM6.1	=U	+F	136.2																
-X203	=U	+F	124.8			-X613	=U	+H	21.1																												
-X205	=U	+F	121.1			-X614	=U	+H	21.1																												
-X206	=U	+F	121.4			-X615	=U	+H	21.1																												
-X207	=U	+F	139.5			-X621	=U	+H	22.2																												
-X211	=U	+F	139.4			-X622	=U	+H	22.3																												
-X212	=U	+F	139.5			-X623	=U	+H	22.1																												
-X213	=U	+F	139.4			-X624	=U	+H	22.1																												
-X214	=U	+F	139.4			-X625	=U	+H	22.1																												
-X224	=U	+H	139.5			-X631	=U	+F	23.2																												
-X228	=U	+H	131.8			-X632	=U	+F	23.3																												
-X228	=U	+H	130.8			-X633	=U	+F	23.1																												
-X229	=U	+F	130.2			-X634	=U	+F	23.1																												
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN				OPERATING EQUIPMENT											Ident-Nr.				984583708				=		U					
2				Ausgabe	03.02.06	lwerof0																Zeich-Nr.				3272-920.06.01.000-002				Blatt		150		+		H	
1																						Änderung				Datum		Name		Copyright (c)		von		153			

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BMK		SYSTEM		PLACE		SHEET		BMK		SYSTEM		PLACE		SHEET		BMK		SYSTEM		PLACE		SHEET																										
-XM6.2	=U	+F	136.2			-Y13	=U	+F	76.5			-Y81a	=U	+F	81.3			-Y81b	=U	+F	81.4																											
-XM6.5	=U	+F	136.2			-Y16	=U	+F	76.6			-Y82a	=U	+F	81.5			-Y82b	=U	+F	81.5																											
-XM6.7	=U	+F	136.4			-Y17	=U	+F	76.6			-Y83a	=U	+F	81.7			-Y83b	=U	+F	81.7																											
-XM6.8	=U	+F	136.4			-Y18	=U	+F	76.7			-Y84a	=U	+F	82.2			-Y84b	=U	+F	82.2																											
-XM6.9	=U	+F	136.4			-Y19	=U	+F	76.8			-Y85a	=U	+F	82.3			-Y85b	=U	+F	82.4																											
-XM6.10	=U	+F	136.4			-Y20	=U	+F	74.2			-Y86a	=U	+F	82.5			-Y86b	=U	+F	82.5																											
-XM6.11	=U	+F	136.5			-Y24	=U	+F	74.4			-Y87a	=U	+F	82.7			-Y87b	=U	+F	82.7																											
-XM6.12	=U	+F	136.5			-Y25	=U	+F	74.6			-Y102a	=U	+H	63.3			-Y102b	=U	+H	63.3																											
-XM6.13	=U	+F	136.5			-Y39	=U	+F	75.2			-Y107	=U	+H	102.3			-Y107_X	=U	+H	139.6																											
-XM6.14	=U	+F	136.5			-Y40	=U	+F	113.8			-Y108	=U	+H	100.7			-Y108_X	=U	+H	139.7																											
-XM6.15	=U	+F	136.5			-Y41	=U	+F	113.1			-Y109	=U	+H	100.8			-Y109_X	=U	+H	139.7																											
-XM6.16	=U	+F	136.7			-Y42	=U	+F	113.3			-Y112	=U	+F	111.6			-Y112_X	=U	+F	139.8																											
-XM8.1	=U	+F	136.2			-Y43	=U	+F	113.4																																							
-XM8.2	=U	+F	136.4			-Y44	=U	+F	113.6																																							
-XM34.1	=U	+F	136.2			-Y49	=U	+H	71.3																																							
-XM34.2	=U	+F	136.4			-Y50	=U	+F	58.7																																							
-XM34.3	=U	+F	136.5			-Y51	=U	+F	53.7																																							
-XM34.4	=U	+F	136.7			-Y52	=U	+F	61.5																																							
-Y5	=U	+F	83.5			-Y53	=U	+F	60.6																																							
-Y9a	=U	+F	75.6			-Y64	=U	+F	68.6																																							
-Y9b	=U	+F	75.6			-Y65	=U	+F	68.6																																							
-Y10	=U	+F	76.2			-Y66	=U	+F	68.7																																							
-Y11	=U	+F	76.3			-Y80a	=U	+F	81.2																																							
-Y12	=U	+F	76.4			-Y80b	=U	+F	81.2																																							
3				Gez.	08.03.05	lwebem0	LIEBHERR WERK EHINGEN				OPERATING EQUIPMENT											Ident-Nr.				984583708				=		U																
2				Ausgabe	03.02.06	lwerof0																								+		H																
1																						Zeich-Nr.				3272-920.06.01.000-002				Blatt				151														
	Änderung	Datum	Name		Datum	Name	Copyright (c)																			von				153																		

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BMK		SYSTEM		PLACE		SHEET		BMK		SYSTEM		PLACE		SHEET		BMK		SYSTEM		PLACE		SHEET									
-Y150	=U	+F	106.4																					A							
-Y151	=U	+F	106.5																												
-Y220	=U	+F	77.2																												
-Y221	=U	+F	77.2																												
-Y222	=U	+F	77.3																												
-Y225	=U	+F	77.4																												
-Y226	=U	+F	77.6																												
-Y231	=U	+F	78.2																												
-Y232	=U	+F	78.4																												

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VERSION 001		VERSION 002		VERSION 003		VERSION 004		VERSION 005		VERSION 006		VERSION 007		VERSION 008		
SHEET	REMARK	SHEET	REMARK	SHEET	REMARK	SHEET	REMARK	SHEET	REMARK	SHEET	REMARK	SHEET	REMARK	SHEET	REMARK	
40,52	LICHTMASCHINE: REGLER- VERSORGUNGSSPG. VON -F41 AUF -F27	61	TABELLE "OHNE WIRBELSTROMBRMSE" ENTFERNT													