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Customer : SIEMENS WIND POWER A/S, DK-7330 BRANDE
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425	+A316	1	BRAKE/YAW 齿轮油加热元件					
426	+A316	+A316 C 组件列表	+A316 COMPONENTS LIST					
427	+A316	C-1	COMPONENTS LIST					
428	+A316	+A316 NEC 非电气元件列表	+A316 NON ELECTRICAL COMPONENTS LIST					
429	+A316	NEC-1	NON ELECTRICAL COMPONENTS LIST					
430	+A317	+A317 L 布局	+A317 LAYOUTS					
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435	+A317	+A317 D 线图	+A317 DIAGRAM	
436	+A317	1	GEAR BEARING 齿轮轴承	
437	+A317	2	GEAR BEARING	
438	+A317	3	GEAR BEARING AND GEAR BRAKE LINING 齿轮轴承和齿轮制动衬片	
439	+A317	4	GEAR OIL PRESSURE AND LEVEL 齿轮油压力和水平	
440	+A317	5	GEAR OIL TEMP. AND BRAKE TEMP GEAR 齿轮油温度 制动垫温度齿轮侧	
441	+A317	6	BRAKE TEMP. GENERATOR AND RPM SENSOR 1 MAIN SHAFT 制动垫温度发电机侧和转速传感器主轴	
442	+A317	7	HCU, GEAR IDLING VALVE AND GEAR IDLE FILTERPRESSURE SWITCH HCU, 齿轮和齿轮空转怠速阀过滤器的压力开关	
443	+A317	8	DISC BRAKE PAD WORN 盘式刹车片磨损信号反馈	
444	+A317	+A317 C 组件列表	+A317 COMPONENTS LIST	
445	+A317	C-1	COMPONENTS LIST	
446	+A317	C-2	COMPONENTS LIST	
447	+A318	+A318 L 布局	+A318 LAYOUTS	
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449	+A318	L-2	LAYOUT CABLE GLANDS	
450	+A318	L-3	LAYOUT INSIDE	
451	+A318	L-4	LAYOUT DIN RAIL 1	
452	+A318	+A318 D 线图	+A318 DIAGRAM	
453	+A318	1	HATCH 舱门控制	
454	+A318	2	HATCH	
455	+A318	+A318 C 组件列表	+A318 COMPONENTS LIST	
456	+A318	C-1	COMPONENTS LIST	
457	+A318	+A318 NEC 非电气元件列表	+A318 NON ELECTRICAL COMPONENTS LIST	
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459	+A319	+A319 L 布局	+A319 LAYOUTS	
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462	+A319	L-3	LAYOUT INSIDE	
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466	+A319	C-1	COMPONENTS LIST	
467	+A328	+A328 L 布局	+A328 LAYOUTS	
468	+A328	L-1	OVERVIEW LAYOUT	
469	+A328	L-2	LAYOUT CABLE GLANDS	
470	+A328	L-3	ACOUSTIC WINDVANE	
471	+A328	L-4	LAYOUT DIN RAIL 1	
472	+A328	+A328 D 线图	+A328 DIAGRAM	
473	+A328	1	+A328 LAYOUTS 风速风向仪	
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478	+A328	+A328 C 组件列表	+A328 COMPONENTS LIST									
479	+A328	C-1	COMPONENTS LIST									
480	+A328	+A328 NEC 非电气元件列表	+A328 NON ELECTRICAL COMPONENTS LIST									
481	+A328	NEC-1	NON ELECTRICAL COMPONENTS LIST									
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509	+A18	7	708:EMERGENCY STOP 701:RUN/RESET FREQUENCY CONVERTER 急停 运行/复位变频器									
510	+A18	8	701:SUPPLY FOR FREQUENCY CONVERTER 变频器电源									
511	+A18	9	701:CONVERTER INTERFACE 转换接口 24v供应 24v供应制动1 2 电机模块的串行通信									
512	+A18	10	701:24V SUPPLY 709:24V SUPPLY BRAKE 1 AND 2 710:SERIAL COMMUNICATION MOTOR MUDULE									
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533	+A501		1	DIAGRAM																															
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539	+A5		1	CONTROL CURRENT 机舱与轮毂控制电路连接																															
540	+A5		+A5 C 组件列表	+A5 COMPONENT LIST																															
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553	+A6		1	HUB MODULE 2 (+501-K1) 轮毂通讯板																															
554	+A6		2	IO4-I/O MODULE (+501-K2) 轮毂控制模块																															
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557	+A6		5	506: 24VDC SUPPLY MODULE POWER 501: MODULE POWER 模块电源供应																															
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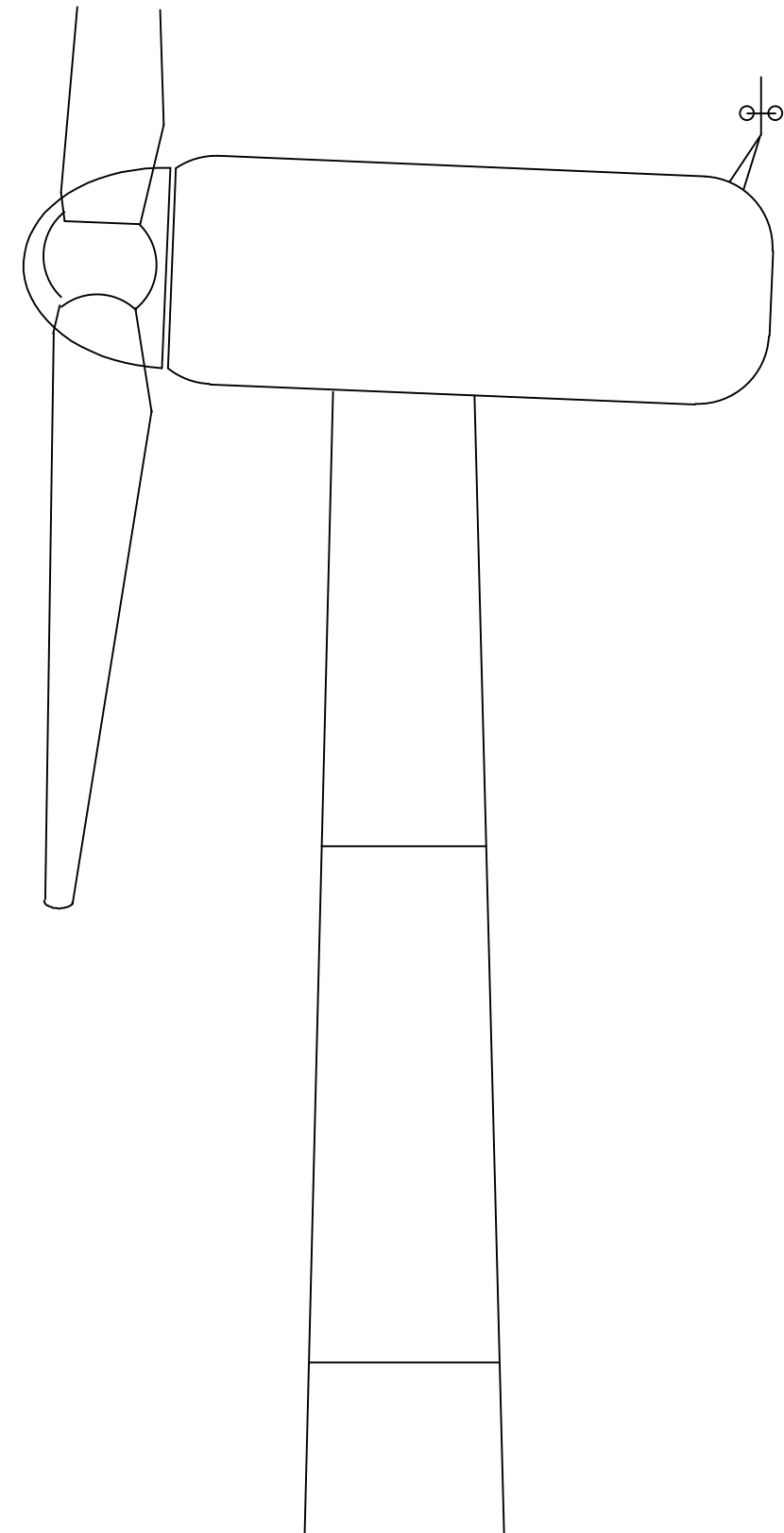
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684	+CABLES	35	LIST OF CABLES			
685	+CABLES	36	LIST OF CABLES			
686	+CABLES	37	LIST OF CABLES			
687	+CABLES	38	LIST OF CABLES			
688	+CABLES	39	LIST OF CABLES			
 kk-electronic a/s	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL	Page Content	=V304002
		2014-05-28			TABLE OF CONTENTS	+IH
		kk-responsible	Item-no.			ZCD-no:
		JASOE/mebje				1040046
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+IH/16		+IH/18				

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DATA

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kk-electronic a/s

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2014-05-28

Item-no.

Rev. Date

ZCD-no:

1040046

SWT-4.0

WTC-3. 4.0MW, VS, 690V, 50/60Hz,

Page Content

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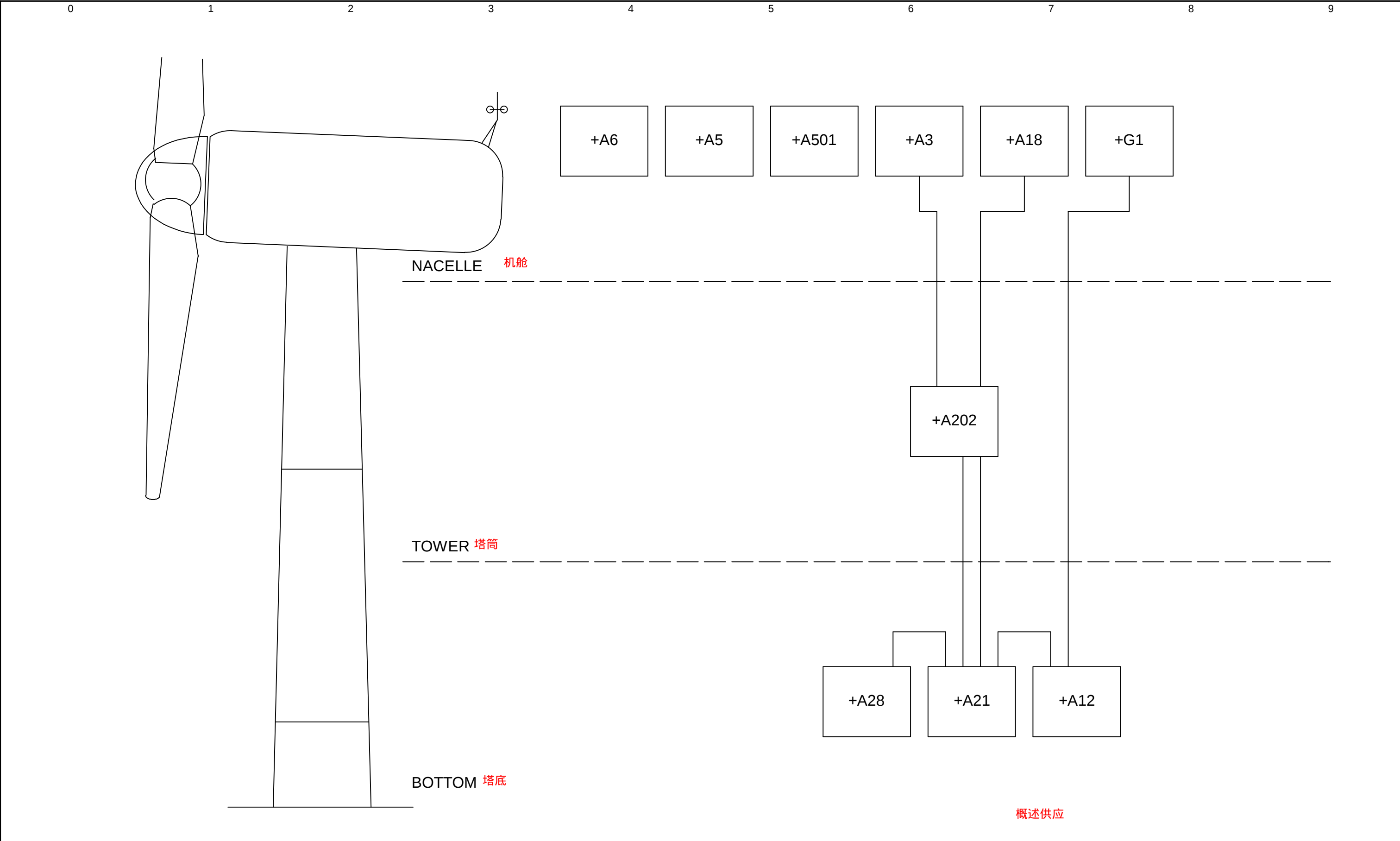
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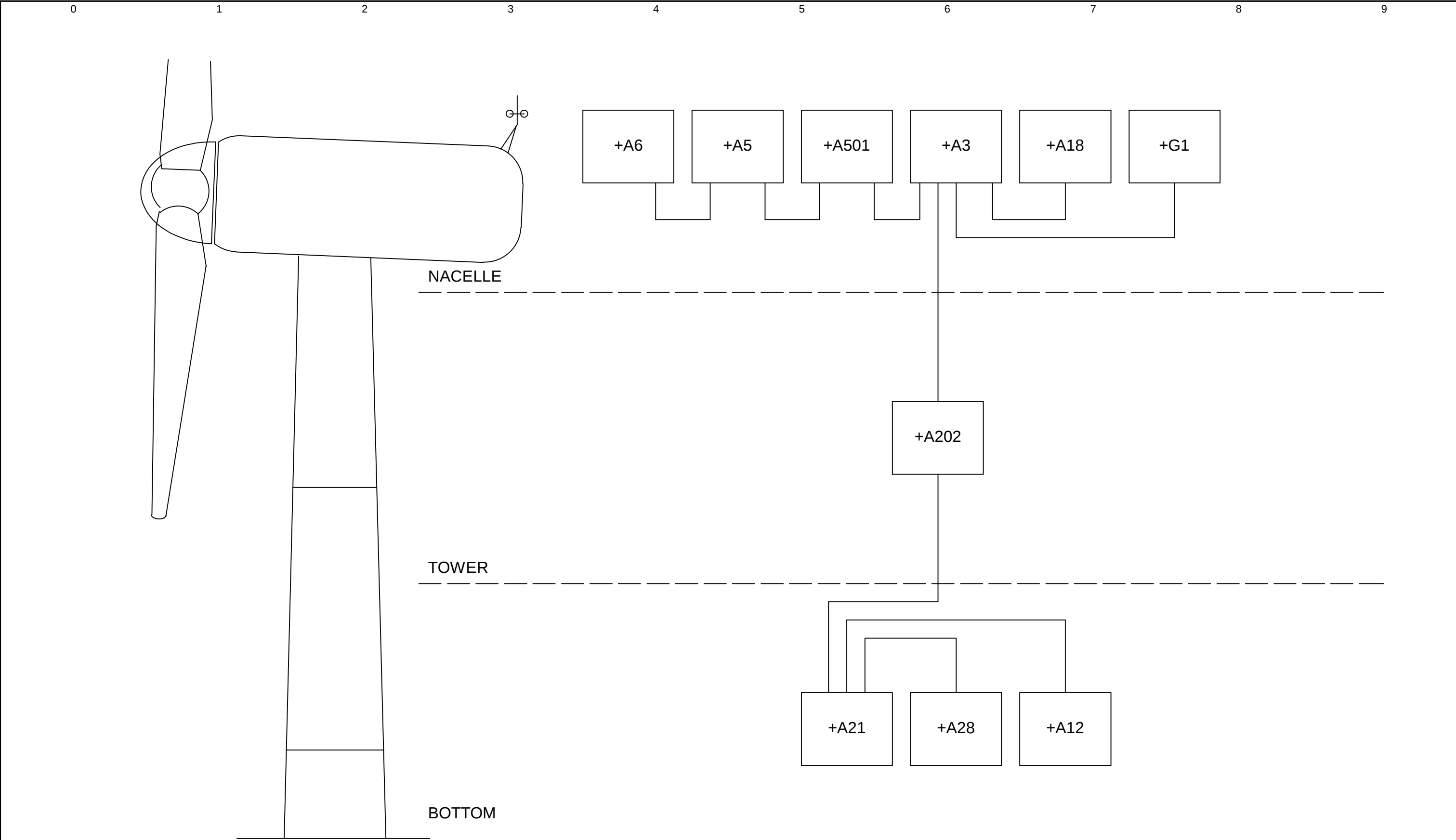
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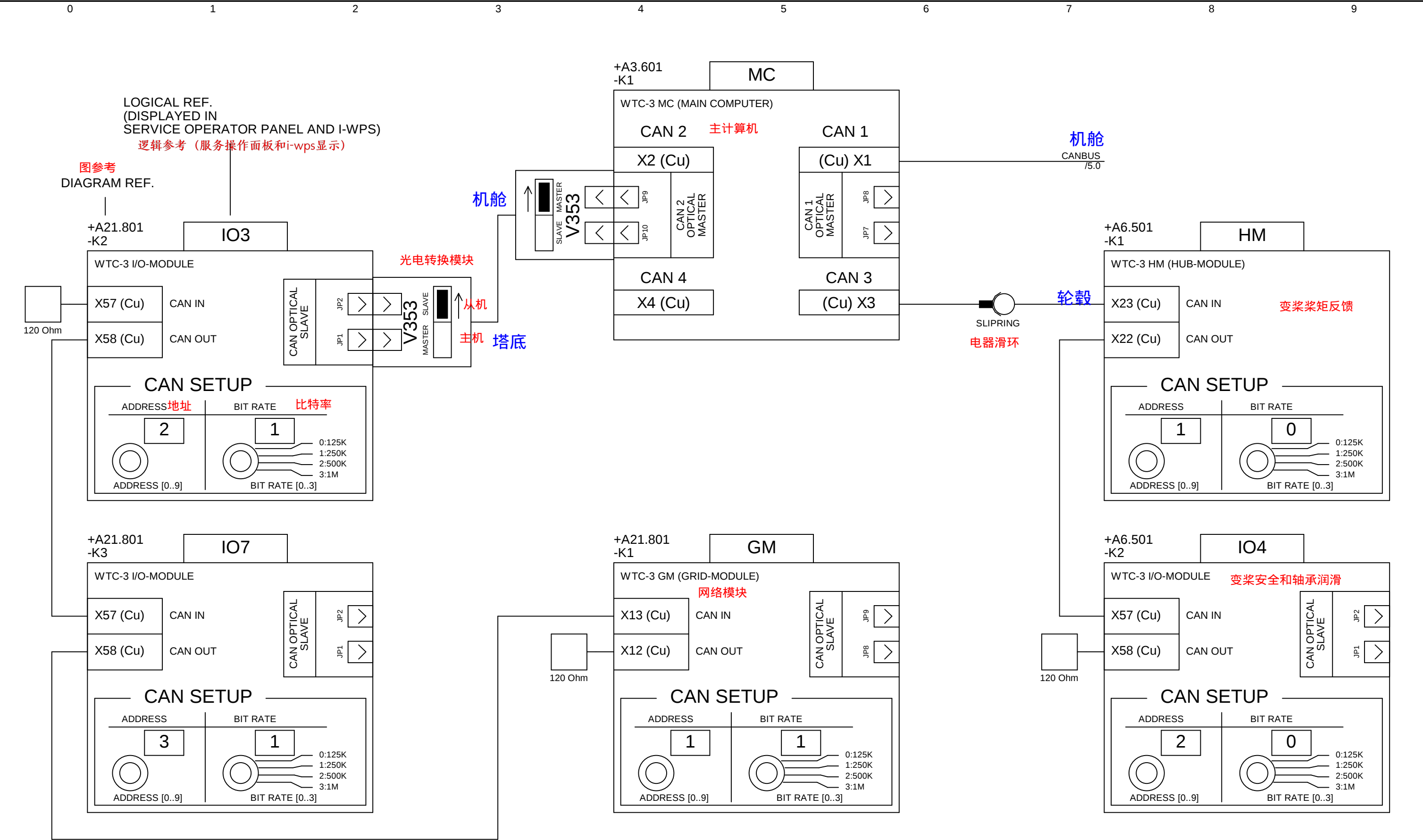


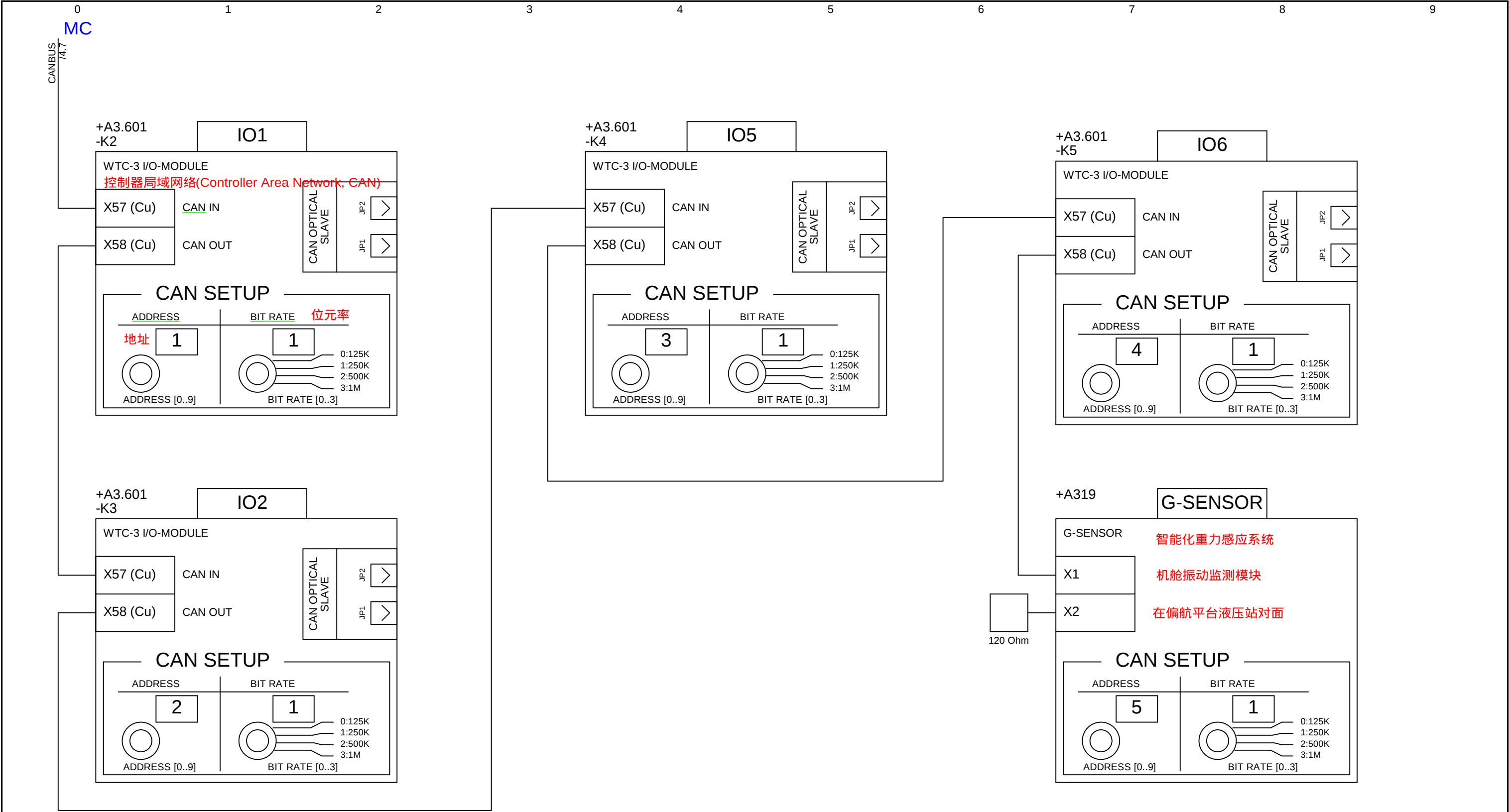
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		2014-05-28			OVERVIEW SUPPLY		+DATA	
		kk-responsible	Item-no.				ZCD-no:	1
		JASOE/mebje					1040046	
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Overview Panels

[illegible]



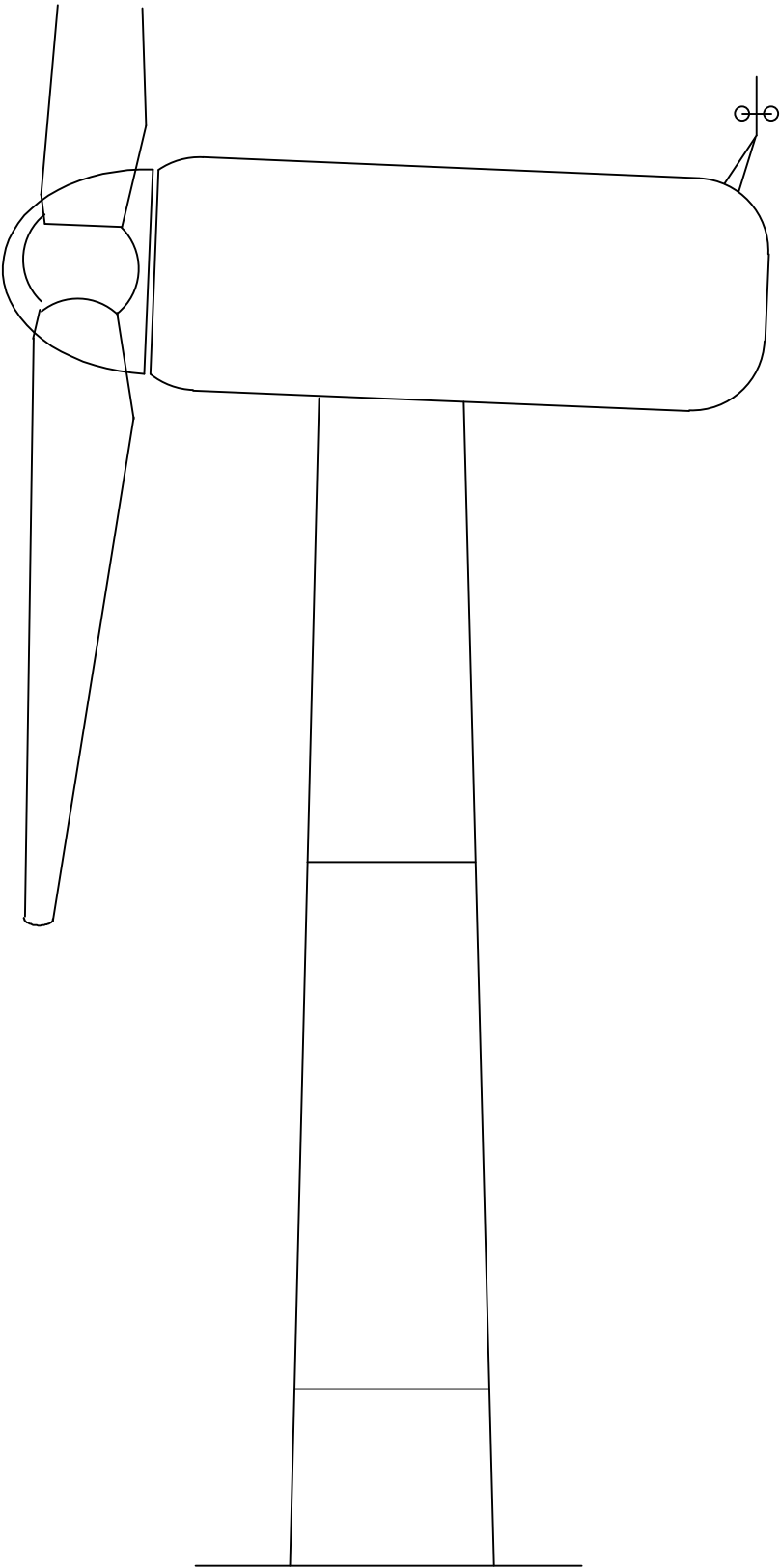


FUNCTION NUMBERS 功能编号	
每个组件根据下面的表获得一个函数指定	
EVERY COMPONENT GETS A FUNCTION DESIGNATION ACCORDING TO THE TABLE BELOW	
DIGIT 1 = PLACEMENT 数字1 = 放置	DIGIT 2+3 = FUNCTION 数字2 + 3 = 函数
0 GRID	00 MAIN CURRENT 目前主要的
1 GENERATOR 发电机	01 CONTROL CURRENT 控制电流
2 HYDRAULIC 液压系统	02 COOLING/HEATING 冷却/加热
3 PFC/FILTER PFC/滤波器	03 CLIMATE/ENVIROMENT 气候/环境
4 GEAR/MAIN SHAFT 齿轮/主轴	04 LUBRICATION SYSTEM 润滑系统
5 HUB 轮毂	05 BRAKE SYSTEM 制动系统
6 NACELLE 机舱	06 PITCH SYSTEM 变桨距系统
7 YAW 偏航	07 CRANE/HOIST/HATCH 起重机/起重机/舱口
8 TOWER 塔筒	08 SAFETY 安全
9 OTHER PLACEMENT其他配置	09 AUX. SUPPLY 辅助的.供应
	10 HMI/NETWORK 人机界面/网络
	11 EXTERNAL MEASURING EQUIPMENT 外部测量设备

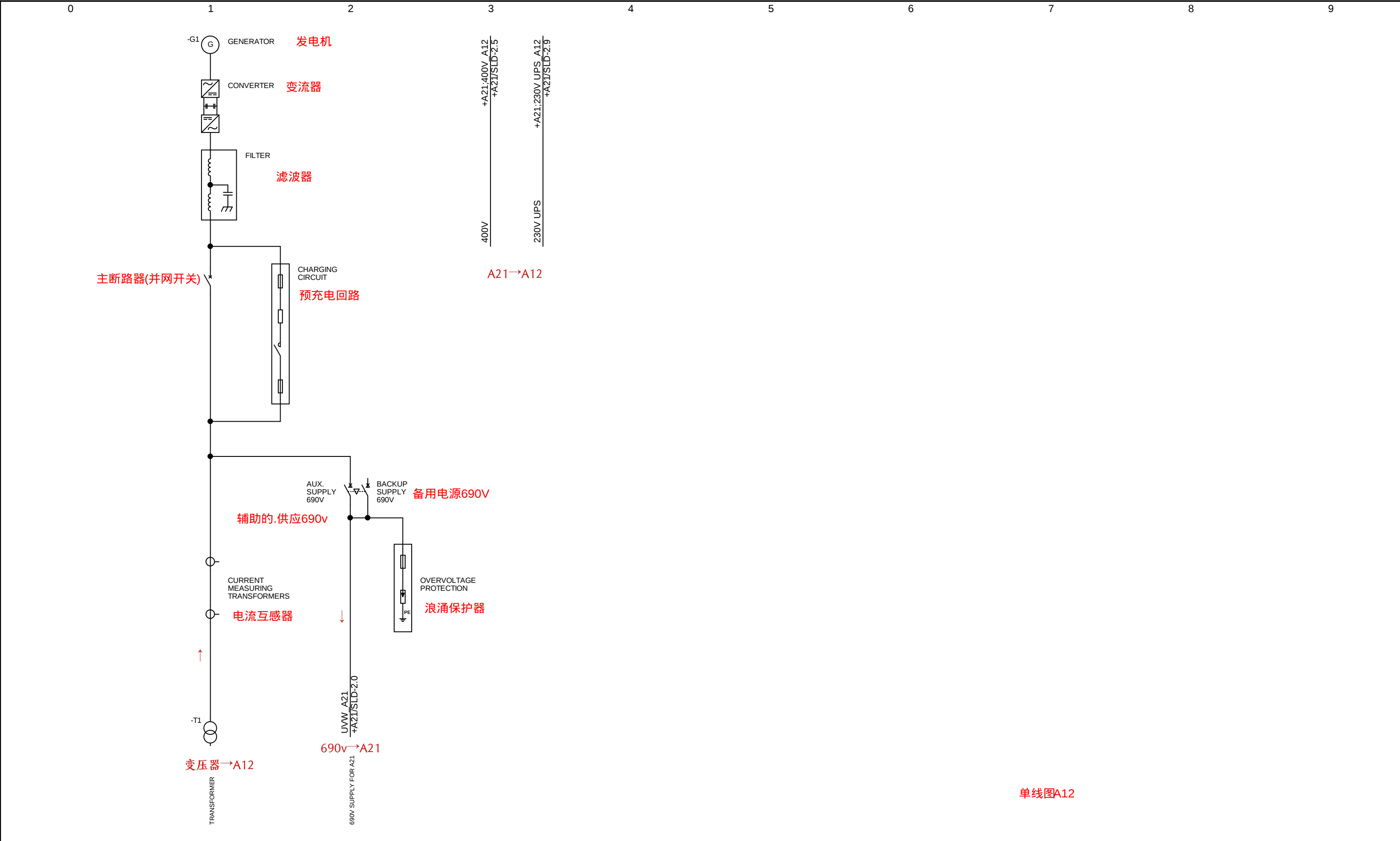
230VAC SYSTEMS 系统	
230V SYSTEM IS SEPARETED INTO CONTROL VOLTAGE AND OTHER SUPPLIES, THE CONTROL VOLTAGE IS SEPARATED INTO DIFFERENT FUNCTIONS.	
230v系统分为控制电压和其他供应，控制电压分为不同的功能。	
WIRE NAME 线的名字	FUNCTION 功能
2L4	SUPPLY WITHOUT EMERGENCY STOP AND BACKUP. 供应外部紧急停止和备用电源
5L4	
2L6	
3L6	
4L6	
5L6	
6L6	SUPPLY WITHOUT EMERGENCY STOP AND WITH SHORT BACKUP. 无紧急停止和短备份的供应
	SUPPLY WITH EMERGENCY STOP, WTC STOP AND SHORT BACKUP. 随着急救停止供应，WTC和短的备份。
	SUPPLY WITH EMERGENCY STOP AND SHORT BACKUP. 提供紧急停止和短备份
	SUPPLY WITHOUT EMERGENCY STOP AND WITH LONG BACKUP. 无紧急停止供应，并有长时间的备份。
	SUPPLY WITH EMERGENCY STOP TIME DELAY AND SHORT BACKUP 提供紧急停止时间延迟和短备份
	服务与 保护插座电源，
2L5	SUPPLY FOR SERVICE SOCKET, WITH HPFI PROTECTION.
2L7	SUPPLY FOR LIGHT. 灯电源
2L8	SUPPLY FOR DEHUMIDIFIER. 供应除湿机
2L9	SUPPLY FOR HEATING IN NACELLE CUBICLES. 舱内供暖设备
3L9	SUPPLY FOR NACELLE WITHOUT EMERGENCY STOP AND BACKUP, IS DISCONNECTED WHEN A SMOKE ALARM OCCURS. 机舱内无紧急停止和备份时，当发生烟雾报警时断开电源。

SINGLE LINE DIAGRAM

单线图

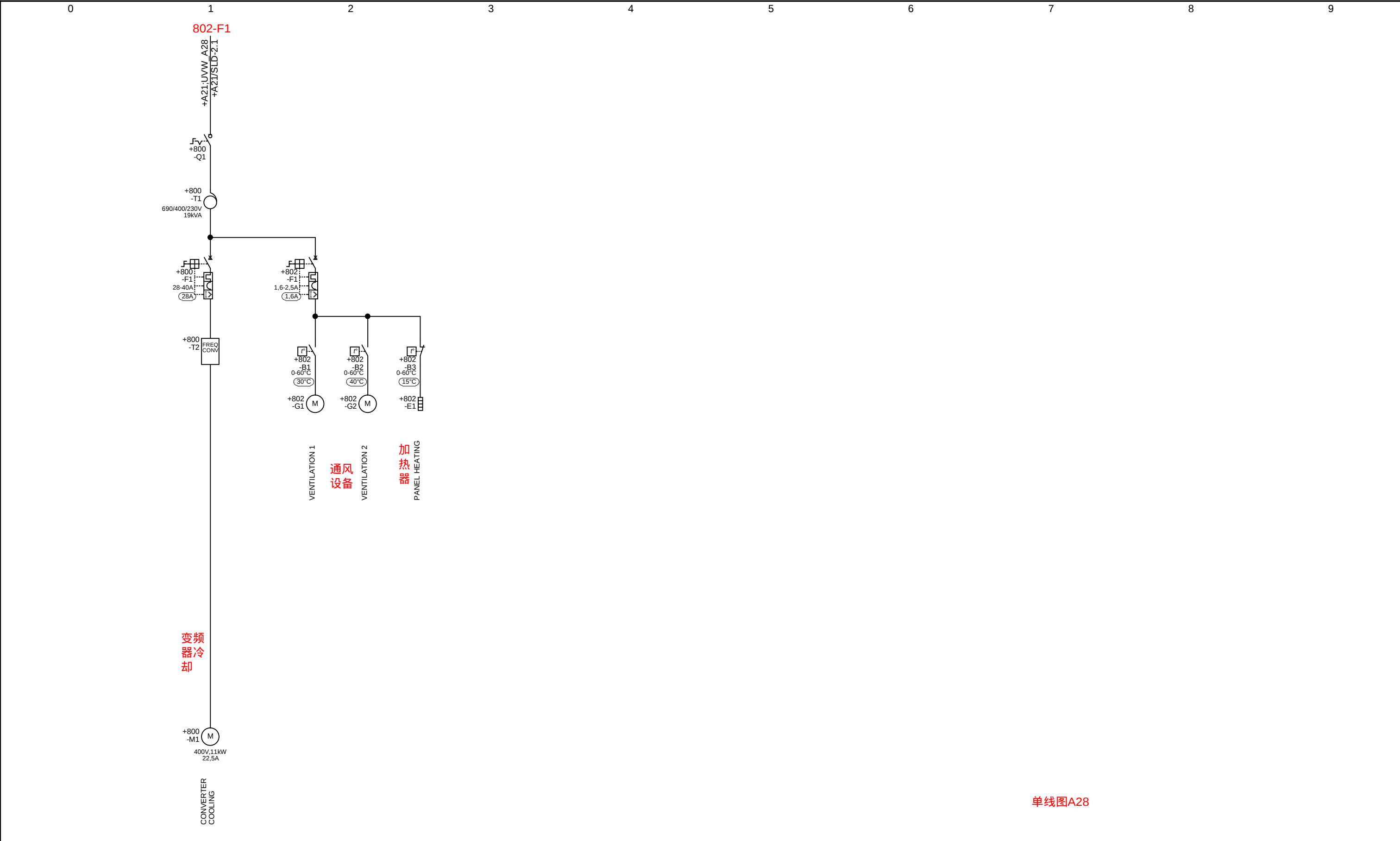


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		2014-05-28			SINGLE LINE DIAGRAM	+SLD	
		kk-responsible	Item-no.			ZCD-no:	SLD
		JASOE/mebje				1040046	
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						+A12/SLD-1	

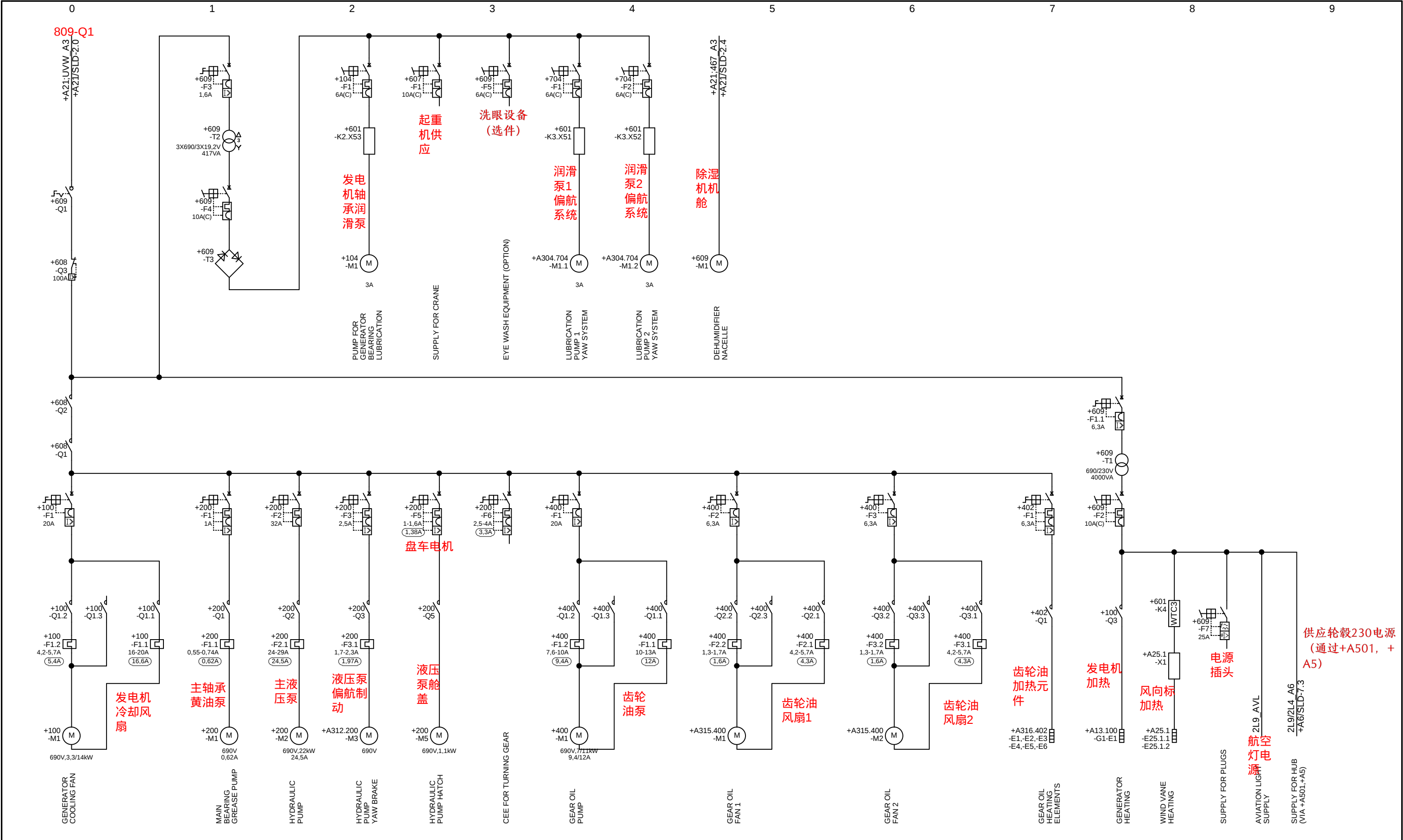


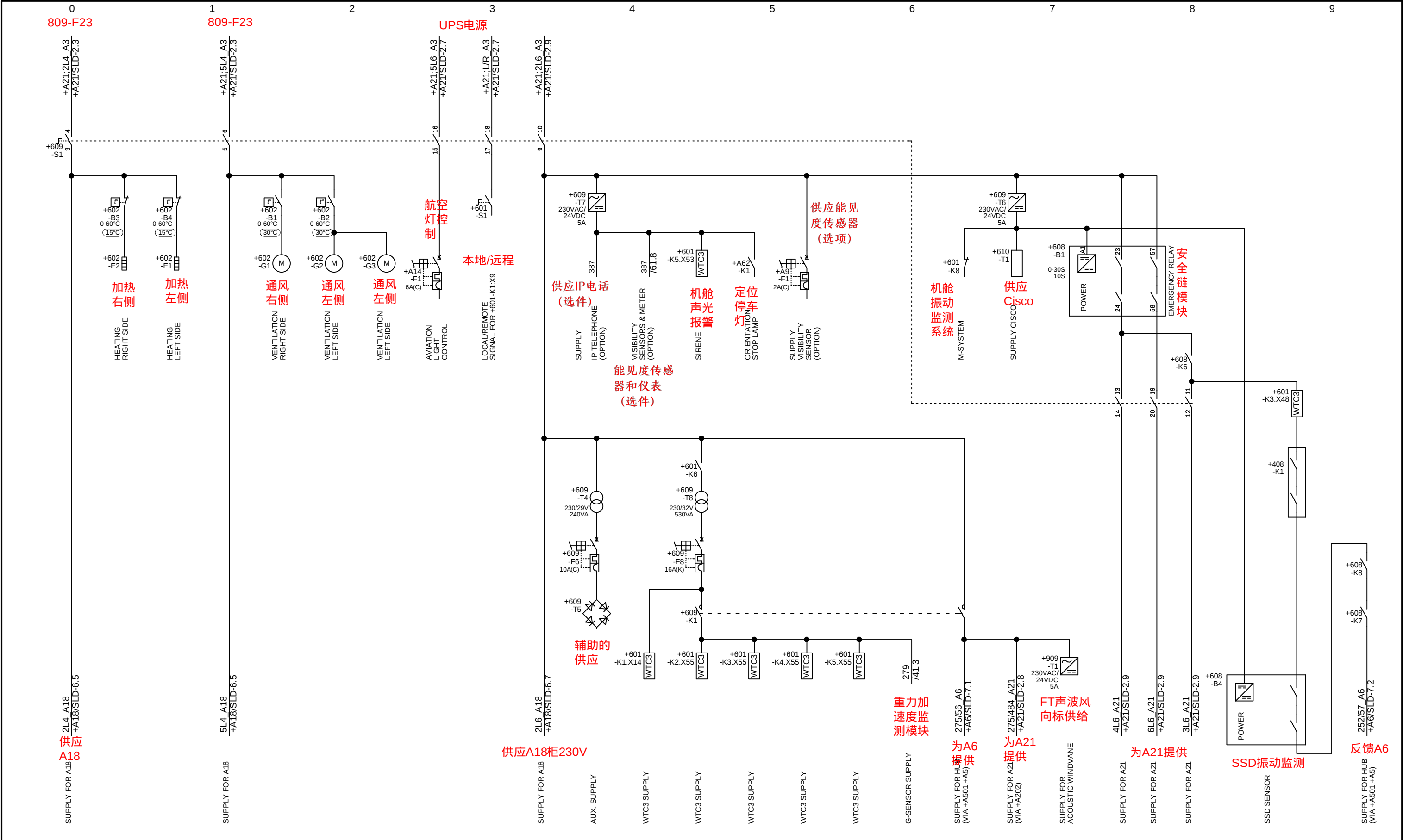
单线图A12

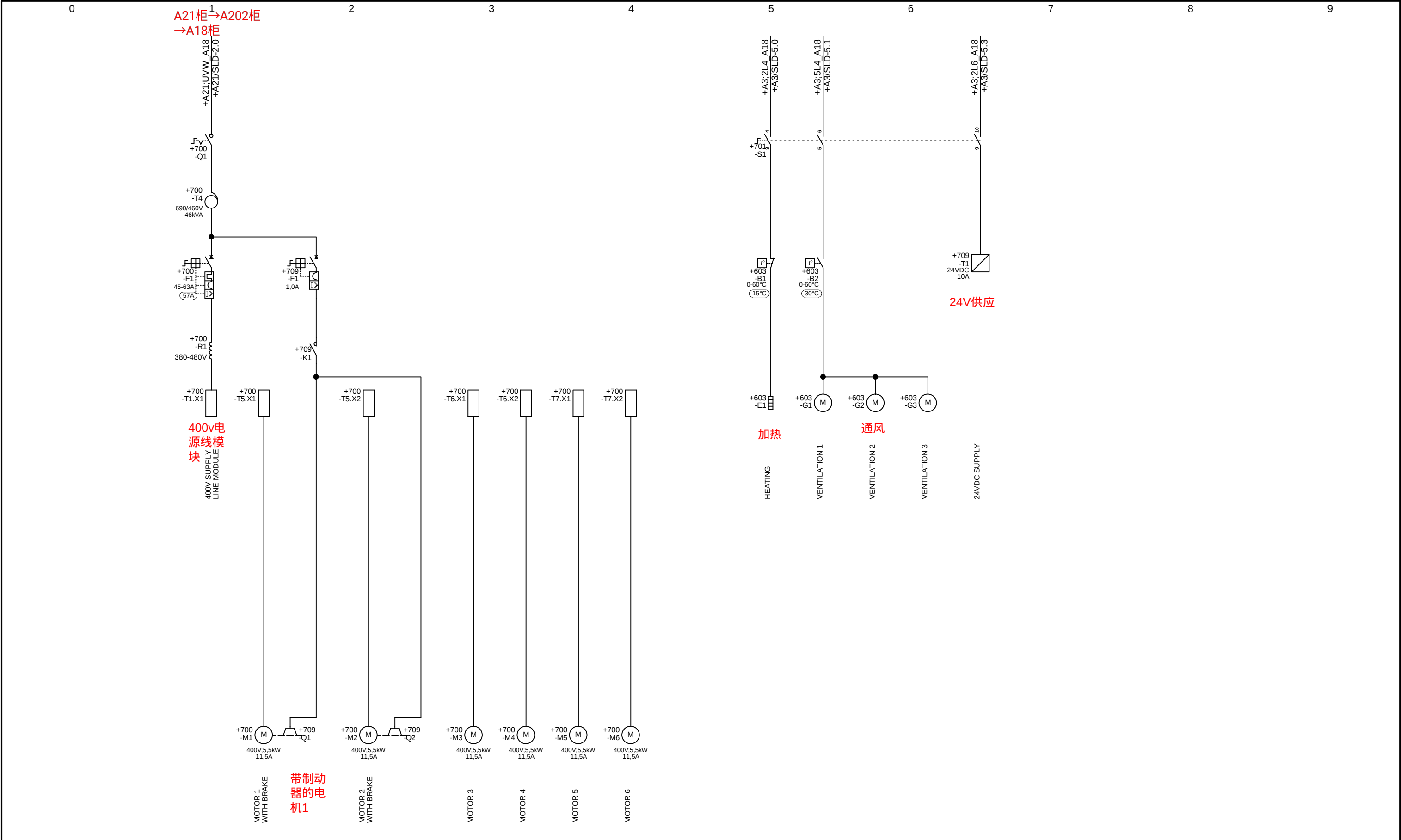
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		kk-responsible	Item-no.			ZCD-no:	SLD-1
		JASOE/mebje				1040046	
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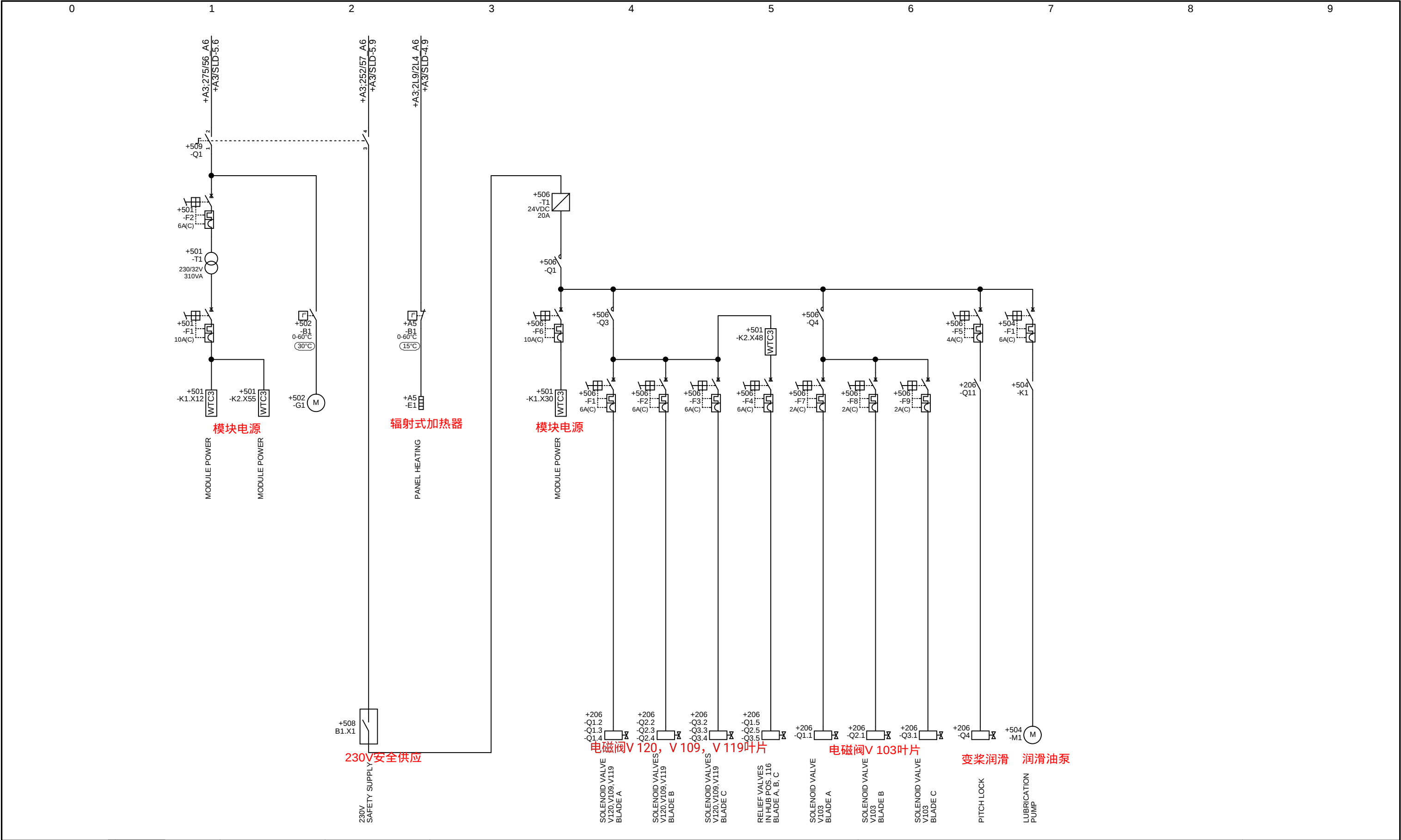
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		2014-05-28			SINGLE LINE DIAGRAM +A28 1/1	+A28	
		kk-responsible	Item-no.			ZCD-no:	SLD-3
		JASOE/mebje	V3040A28002			1040046	
+A21/SLD-2		The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A3/SLD-4	

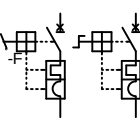
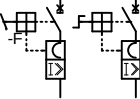
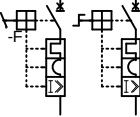
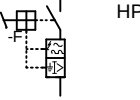
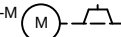






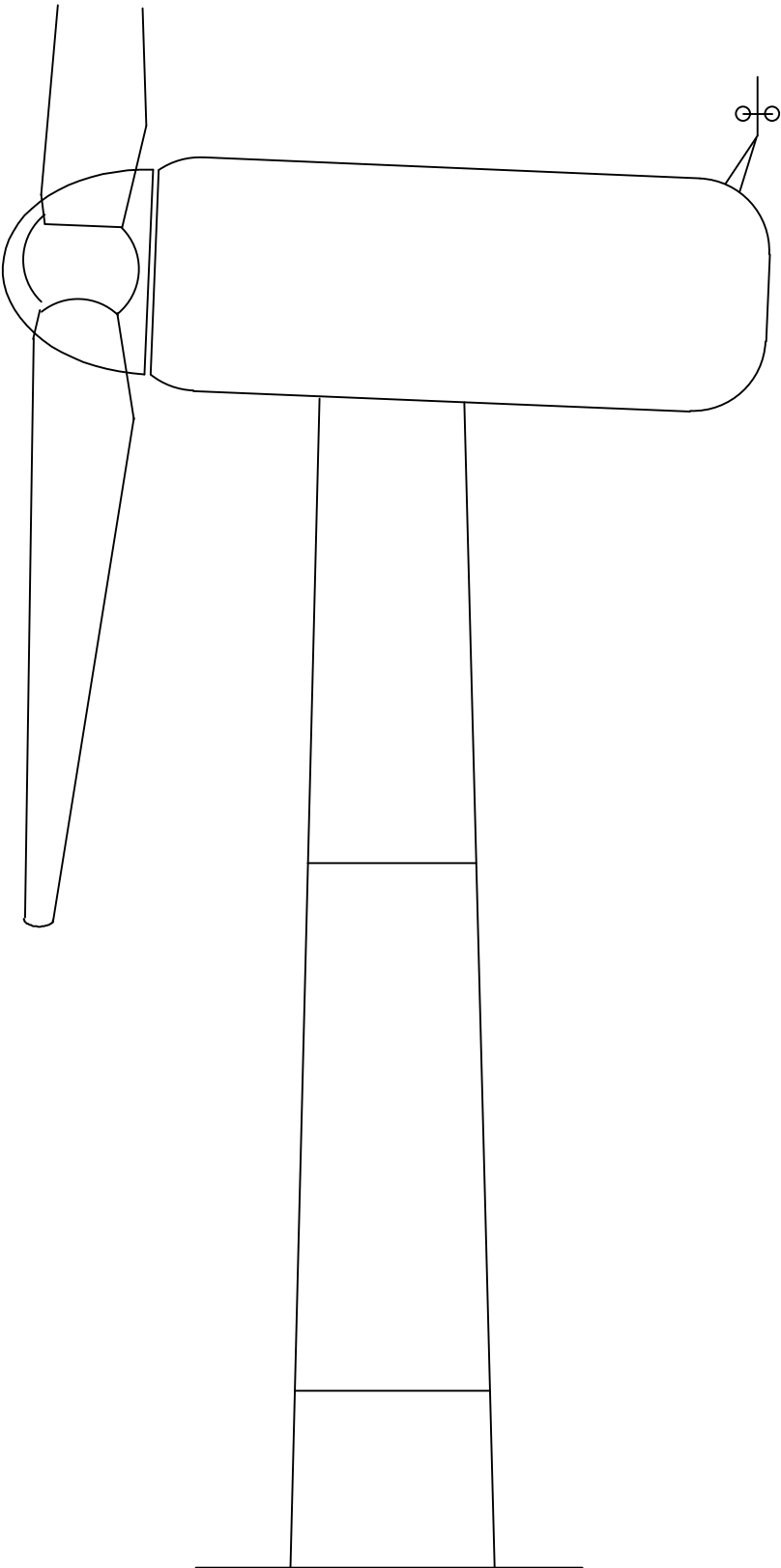
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		Item-no.	ZCD-no:			SLD-6
		JASOE/mebje	1040046			+A6/SLD-7



0	1	2	3	4	5	6	7	8	9
		TURN SWITCH 旋钮开关				RECTIFIER 整流桥		THERMOSTATE (NO) 温控开关	
		SWITCH - DISCONNECTOR 隔离旋钮开关				POWER SUPPLY 电源模块		THERMOSTATE (NC)	
		CONTACTOR 电流触点			UPS			KEY SWITCH 钥匙开关	
		LIMITOR 限流开关			BATTERI 电池			MAKE CONTACT (NO) 接触器	
		CIRCUIT BREAKER 断路器	星形接法：线电压=1.732相电压 线 电流=相电流 三角接法：线电压=相电压 线 电流=1.732相电流 (1.732是3的平方根)					BREAK CONTACT (NC)	
		CIRCUIT BREAKER 限流断路器						TRANSFORMER 变压器	
		MOTOR PROTECTION			三相变压器			RESISTOR 电阻	
		HPFI RELAY 电压电流保护继电器			AUTO TRANSFORMER 自耦变压器			FUSE 熔断器	
		THERMAL RELAY 热过载开关			CURRENT TRANSFORMER 电流互感器			VARISTOR 变阻器 浪涌保护器/防雷模块	
		GENERATOR 发电机			LINE REACTOR 线路感应器			WTC3 CIRCUIT BOARD 主控板	
		MOTOR 电机			CAPACITOR 电容				
		MOTOR WITH BRAKE 带制动抱闸的电机			FREQUENCY CONVERTER 频率转换器，变频器				
		HEATING 加热器			CONVERTER 变频器				
		SOLENOID VALVE 电磁阀			CONTACTORS WITH INTERLOCK 接触器联锁				
								可选的连接 OPTIONAL CONNECTION	

HOW TO DE-ENERGIZE

如何得电



 kk-electronic a/s +SYMBOLS/SLD-8	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content	=V304002	
		2014-05-28			HOW TO DE-ENERGIZE	+HTD	
		kk-responsible	Item-no.			ZCD-no:	HTD
		JASOE/mebje				1040046	
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+A21/HTD-1							

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COMPLETE DE-ENERGIZE PROCEDURE FOR PANEL V3040A21002				
DISCONNECT 断开	1	SWITCH +A12-Q2 TO "OFF" POSITION		
	2	SWITCH +A12-Q3 TO "OFF" POSITION		
	3	SWITCH +809-S3 TO "OFF" POSITION		
	4	SWITCH +809-F30.C1 TO "OFF" POSITION		
	5	SWITCH +809-F30.C1 TO "OFF" POSITION		
PROVE ZERO ENERGY STATE 证明功率状态	MEASURE 0VAC AND VDC BETWEEN: USE A CAT. IV 600V INSTRUMENT			
	1	+809-X1:1	↔	+809-X1:2
	2	+809-X1:2	↔	+809-X1:3
	3	+809-X1:1	↔	+809-X1:3
	4	-X3:N6	↔	-X3:1L6
	5	+809-F30.X2:1	↔	+809-F30.X1:1
	6		↔	
	7		↔	
	8		↔	
	9		↔	
	10		↔	
	11		↔	
	12		↔	
	13		↔	
	14		↔	

 kk-electronic a/s +HTD/HTD	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL	Page Content	=V304002	
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		kk-responsible	Item-no.		ZCD-no:	完全断电程序+A21	HTD-1
		JASOE/mebje	V3040A21002		1040046		

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+A28/HTD-2

0	1	2	3	4	5	6	7	8	9
PARTLY DE-ENERGIZE PROCEDURE FOR PANEL V3040A28002 PANEL DE-ENERGIZED, EXCEPT SUPPLY SIDE OF DISCONNECTING DEVICE(S)									
DISCONNECT		1	SWITCH +800-Q1 TO "OFF" POSITION						
		2							
		3							
		4							
		5							
PROVE ZERO ENERGY STATE		MEASURE 0VAC AND VDC BETWEEN: USE A CAT. IV 600V INSTRUMENT							
		1	+800-Q1:1L1		↔		+800-Q1:1L2		
		2	+800-Q1:1L2		↔		+800-Q1:1L3		
		3	+800-Q1:1L1		↔		+800-Q1:1L3		
		4			↔				
		5			↔				
		6			↔				
		7			↔				
		8			↔				
		9			↔				
		10			↔				
		11			↔				
		12			↔				
		13			↔				
14			↔						

 kk-electronic a/s	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL	Page Content	=V304002
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	kk-responsible	Item-no.	ZCD-no:			HTD-2
	JASOE/mebje	V3040A28002	1040046			

+A21/HTD-1

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+A28/HTD-3

PARTLY DE-ENERGIZE PROCEDURE FOR PANEL V3040A3002			
PANEL DE-ENERGIZED, EXCEPT SUPPLY SIDE OF DISCONNECTING DEVICE(S), WIRE NO. 242 AND 243			
DISCONNECT	1	SWITCH +609-Q1 TO "OFF" POSITION	
	2	SWITCH +609-S1 TO "OFF" POSITION	
	3		
	4		
	5		
PROVE ZERO ENERGY STATE	MEASURE 0VAC AND VDC BETWEEN: USE A CAT. IV 600V INSTRUMENT		
	1	+609-Q1:1L1	↔ +609-Q1:3L2
	2	+609-Q1:3L2	↔ +609-Q1:5L3
	3	+609-Q1:1L1	↔ +609-Q1:5L3
	4	-X5:N4	↔ -X5:24
	5	-X5:N4	↔ -X5:54
	6	-X5:N6	↔ X5:26
	7	X5:N6	↔ -X5:56
	8		↔
	9		↔
	10		↔
	11		↔
	12		↔
	13		↔
	14		↔

COMPLETE DE-ENERGIZE PROCEDURE FOR PANEL V3040A3002			
DISCONNECT	1	SWITCH +A21+809-Q1 TO "OFF" POSITION	
	2	SWITCH +A21+809-F23 TO "OFF" POSITION	
	3	SWITCH +A21+809-F20 TO "OFF" POSITION	
	4	SWITCH +A21+809-S3 TO "OFF" POSITION	
	5		
PROVE ZERO ENERGY STATE	MEASURE 0VAC AND VDC BETWEEN: USE A CAT. IV 600V INSTRUMENT		
	1	+A21+809-X3.1:1	↔ +A21+809-X3.1:2
	2	+A21+809-X3.1:2	↔ +A21+809-X3.1:3
	3	+A21+809-X3.1:1	↔ +A21+809-X3.1:3
	4	+A21+301-X2:1	↔ +A21+301-X2:2
	5	+A21+809-X24:1	↔ +A21+809-X24:2
	6	+A21+809-X24:1	↔ +A21+809-X24:4
	7	+A21+809-X24:6	↔ +A21+809-X24:7
	8	+A21+809-X24:6	↔ +A21+809-X24:10
	9		↔
	10		↔
	11		↔
	12		↔
	13		↔
	14		↔

PARTLY DE-ENERGIZE PROCEDURE FOR PANEL V3040A18002			
PANEL DE-ENERGIZED, EXCEPT SUPPLY SIDE OF DISCONNECTING DEVICE(S) WTC3 SIGNALS AT +701-X2			
DISCONNECT	1	SWICH +700-Q1 TO "OFF" POSITION	
	2	SWICH +701-S1 TO "OFF" POSITION	
	3		
	4		
	5		
PROVE ZERO ENERGY STATE	MEASURE 0VAC AND VDC BETWEEN: USE A CAT. IV 600V INSTRUMENT		
	1	+700-Q1:1L1	↔ 700-Q1:3L2
	2	+700-Q1:1L2	↔ 700-Q1:5L3
	3	+700-Q1:1L1	↔ 700-Q1:5L3
	4	-X1:N4	↔ +603-B1:1
	5	-X1:N4	↔ +603-B2:1
	6	+709-T1:N	↔ +709-T1:L
	7	+709-T1:N	↔ +708-K1:8
	8	+709-T1:N	↔ +701-K2:8
	9		↔
	10		↔
	11		↔
	12		↔
	13		↔
	14		↔

COMPLETE DE-ENERGIZE PROCEDURE FOR PANEL V3040A18002			
DISCONNECT	1	SWITCH +A21+809-Q1 TO "OFF" POSITION	
	2	SWITCH +A3+609-S1 TO "OFF" POSITION	
	3		
	4		
	5		
PROVE ZERO ENERGY STATE	MEASURE 0VAC AND VDC BETWEEN: USE A CAT. IV 600V INSTRUMENT		
	1	+A21+809-X3.2:1	↔ +A21+809-X3.2:2
	2	+A21+809-X3.2:2	↔ +A21+809-X3.2:3
	3	+A21+809-X3.2:1	↔ +A21+809-X3.2:3
	4	+A3-X5:N4	↔ +A3-X5:24
	5	+A3-X5:N4	↔ +A3-X5:54
	6	+A3-X5:N6	↔ +A3-X5:26
	7	+A3-X5:N6	↔ +A3-X5:56
	8		↔
	9		↔
	10		↔
	11		↔
	12		↔
	13		↔
	14		↔

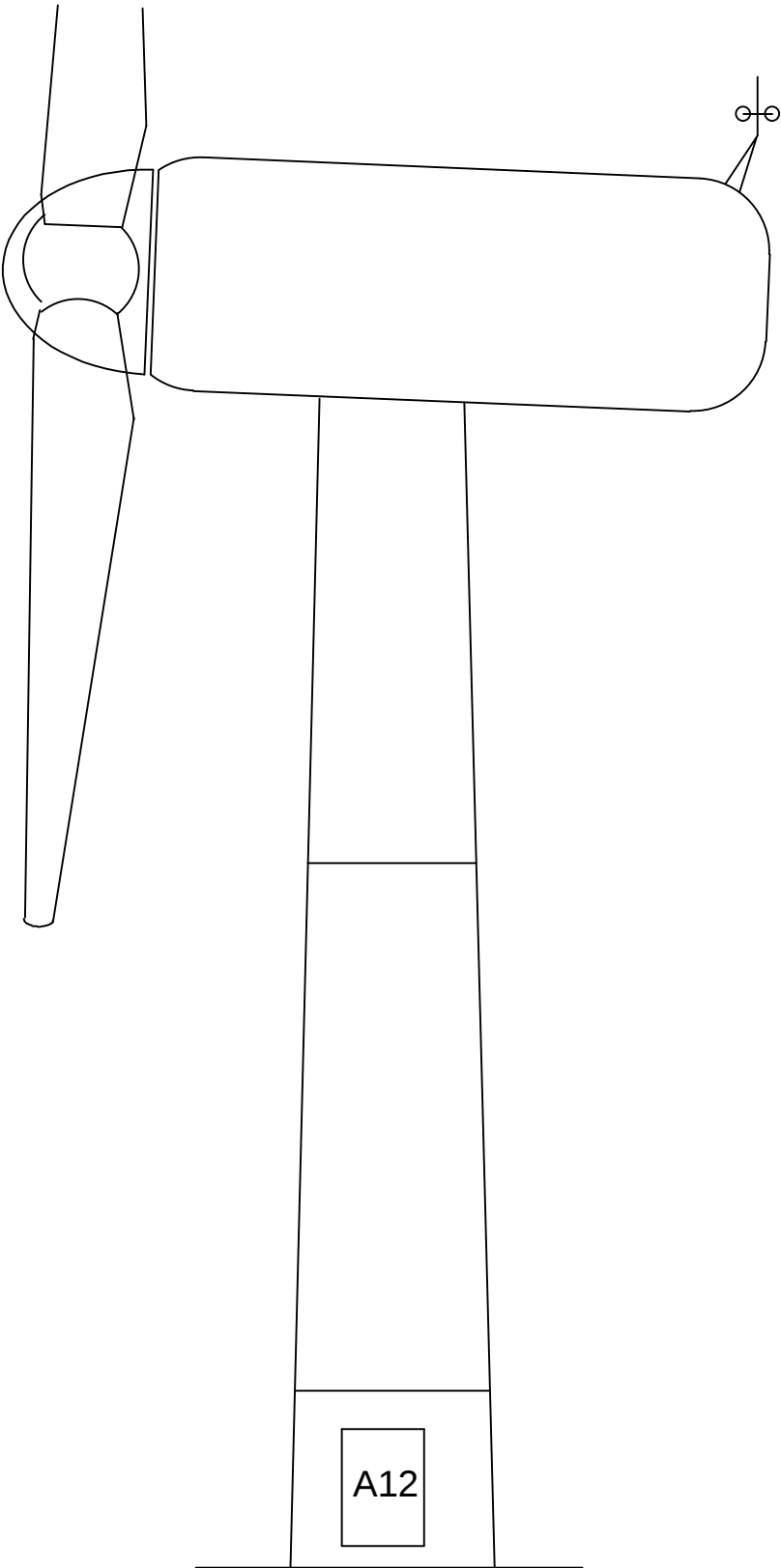
0123456789

COMPLETE DE-ENERGIZE PROCEDURE FOR PANEL V30XXA6022									
DISCONNECT	1	Dismount plug +509-X2							
	2	Dismount plug +610-X1							
	3								
	4								
	5								
PROVE ZERO ENERGY STATE	MEASURE 0VAC AND VDC BETWEEN: USE A CAT. IV 600V INSTRUMENT								
	1	↔							
	2	↔							
	3	↔							
	4	↔							
	5	↔							
	6	↔							
	7	↔							
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		kk-responsible	Item-no.		ZCD-no:	1/1	
		JASOE/mebje	V30XXA6022		1040046		HTD-8
+A18/HTD-7		The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A12/+A12 D	

+A12 DIAGRAM

线图

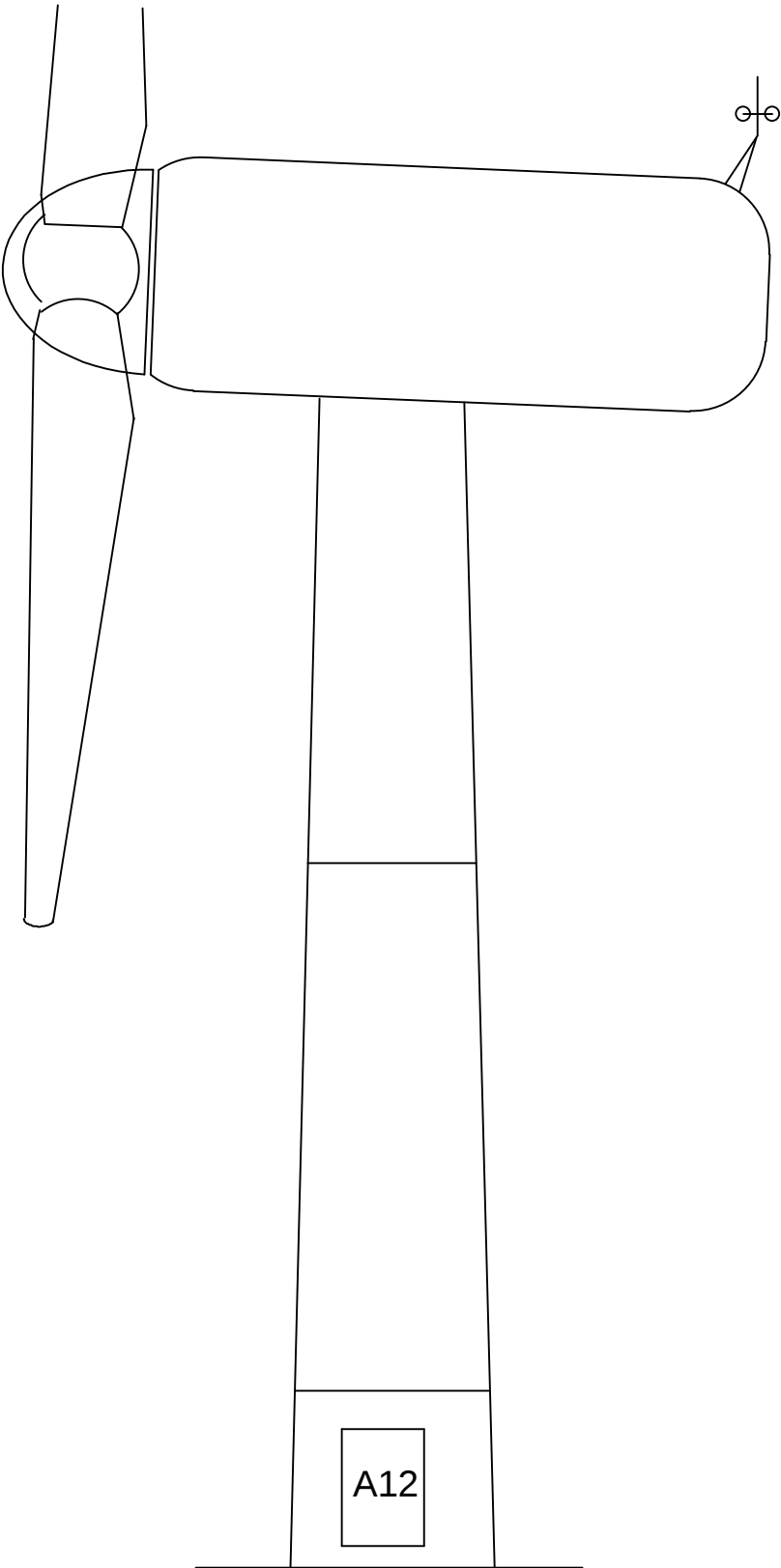




 kk-electronic a/s	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content	=V304002
		2014-05-28			ABB CONVERTER SIGNALS FOR +A21 转换器信号	+A12
	kk-responsible	Item-no.	ZCD-no:			2
	JASOE/mebje	ABB ACS880	1040046			
+A12/1		The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A12/3

+A12 COMPONENT LIST

组件列表

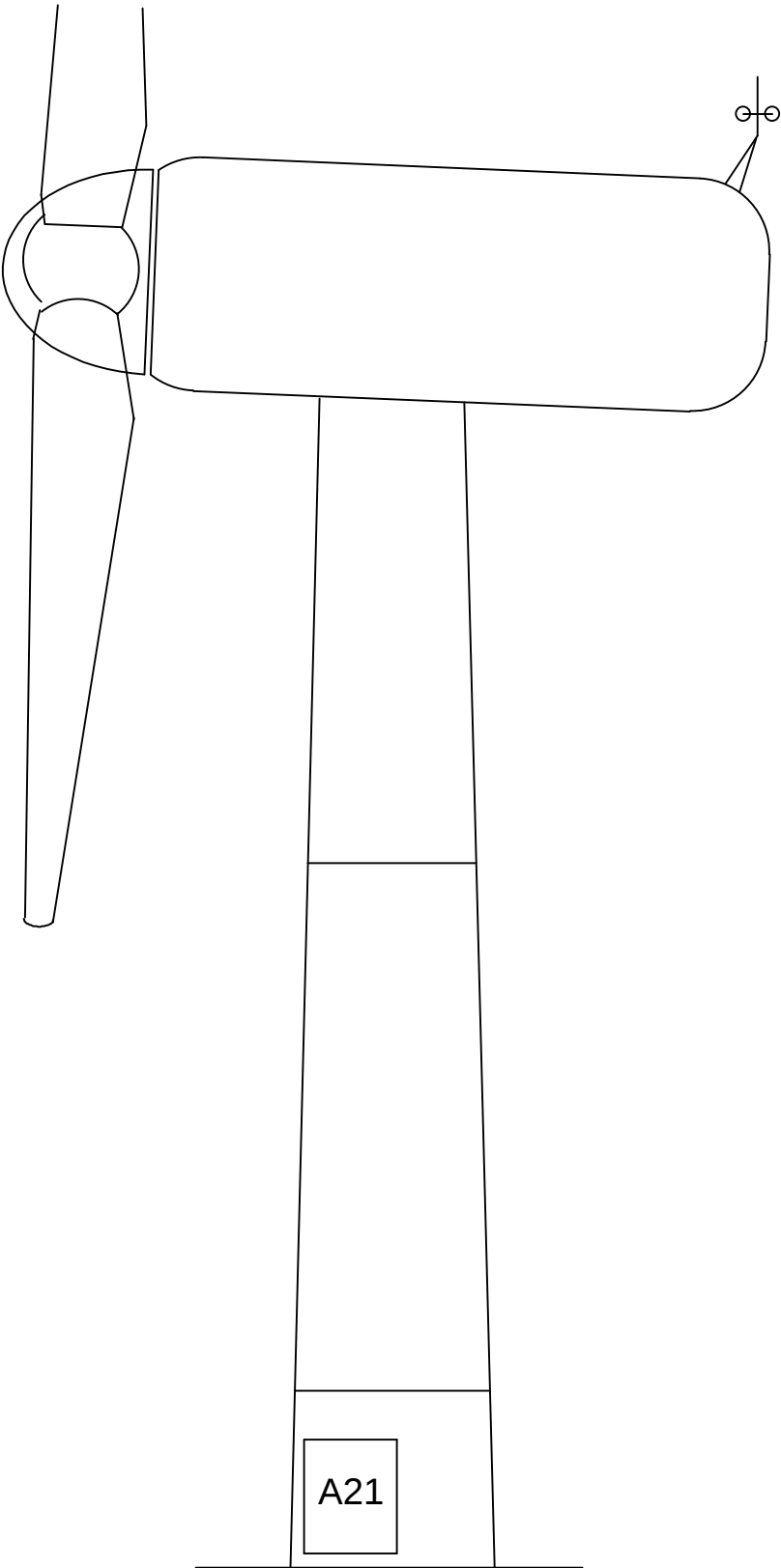


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		2014-05-28			+A12 COMPONENT LIST		+A12
		Item-no.	ZCD-no:				+A12 C
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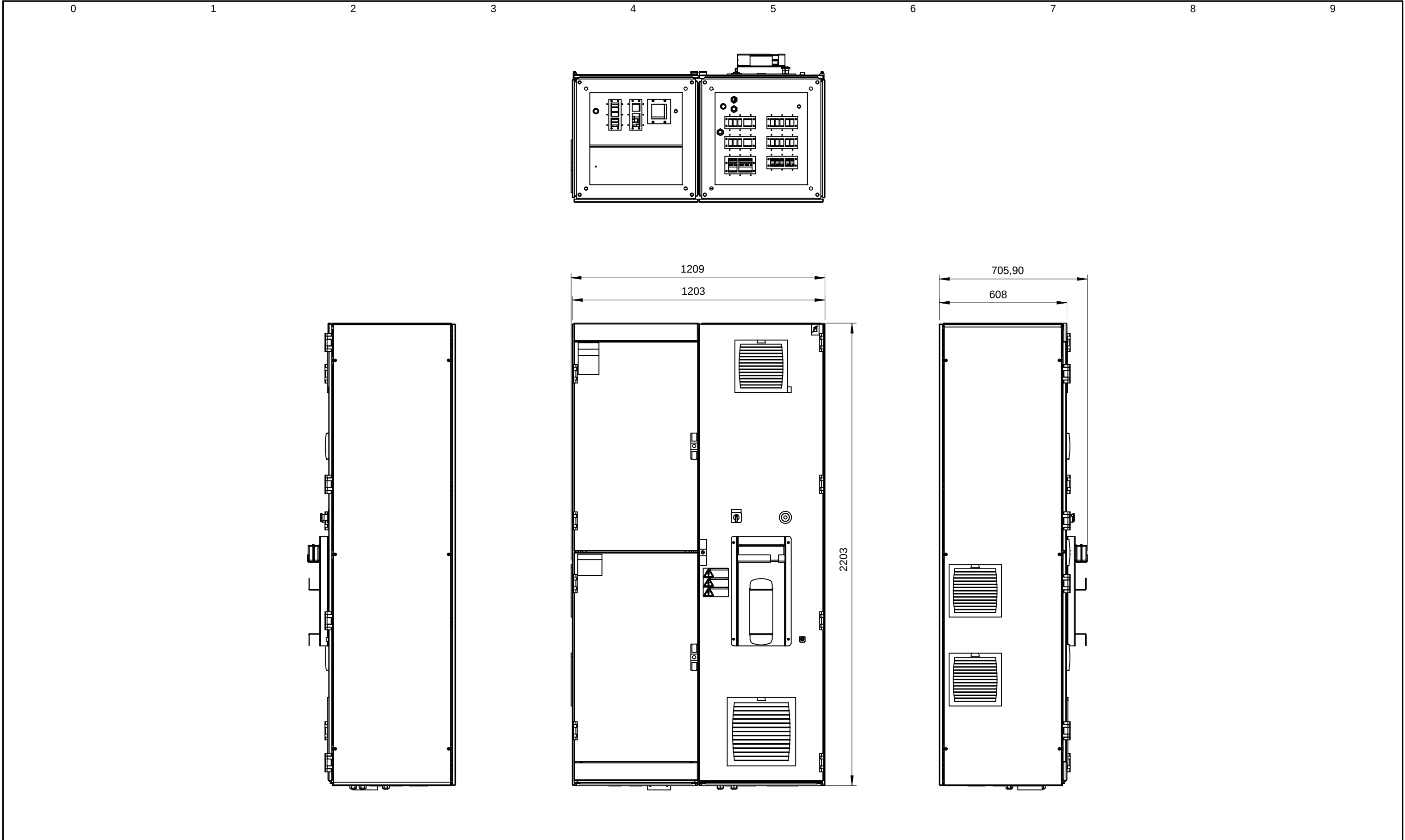
Components list

+A21 LAYOUTS

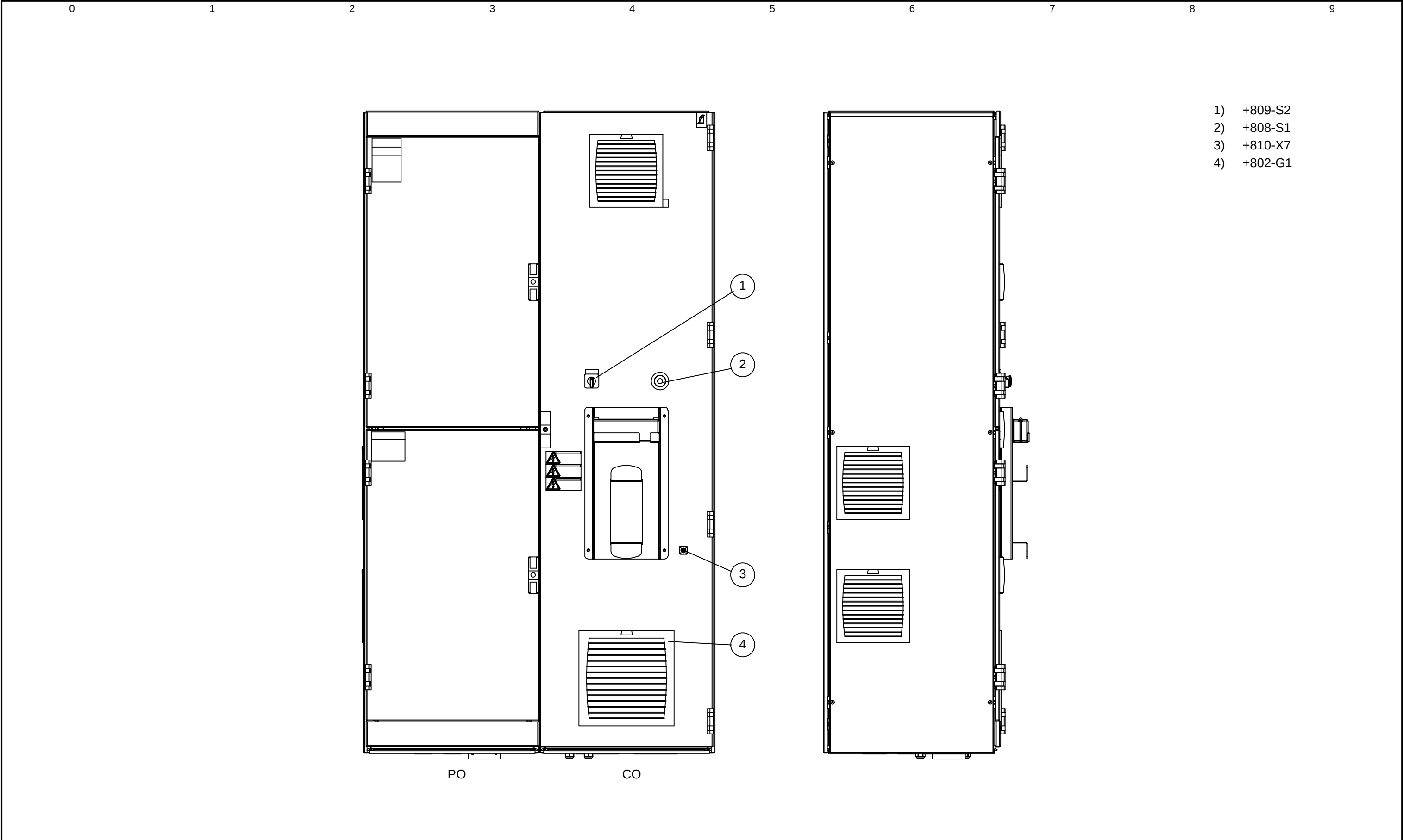
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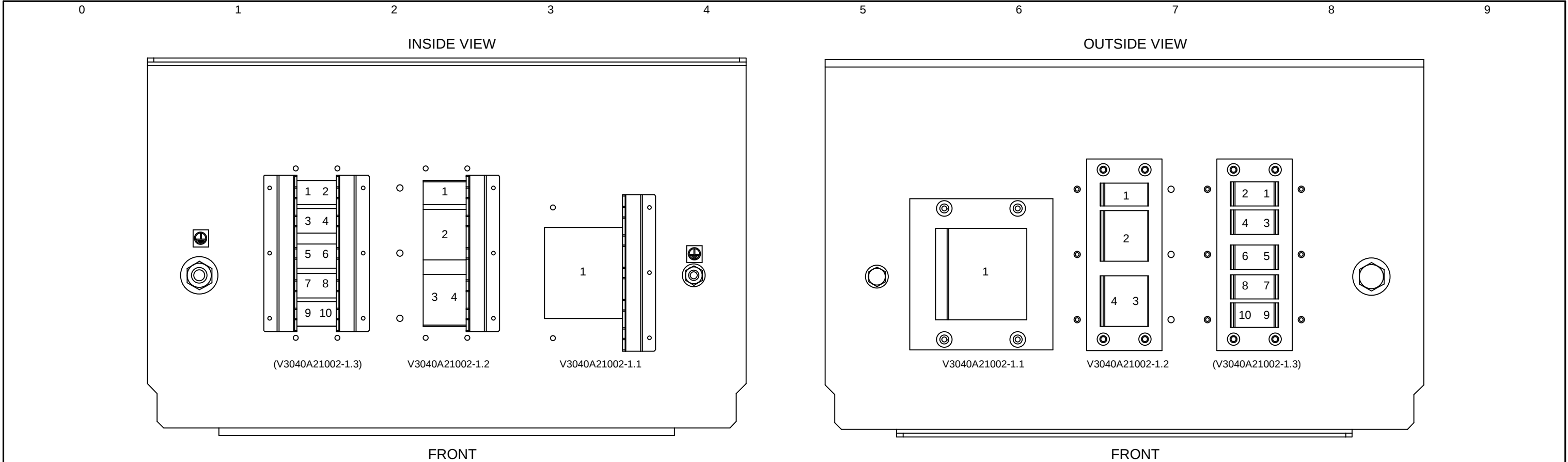
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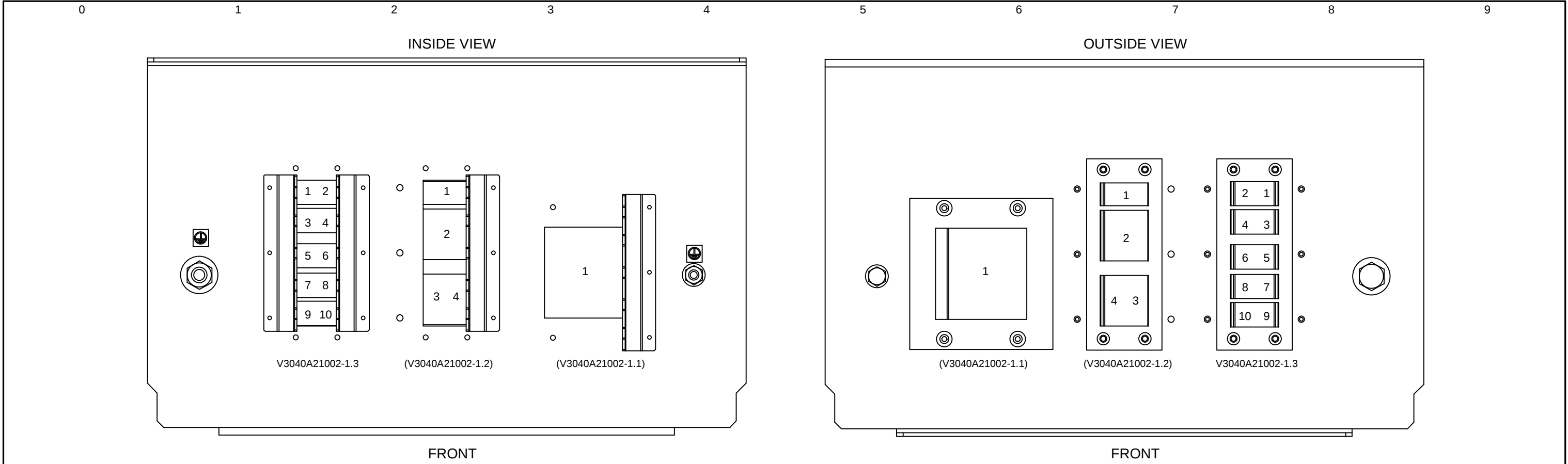
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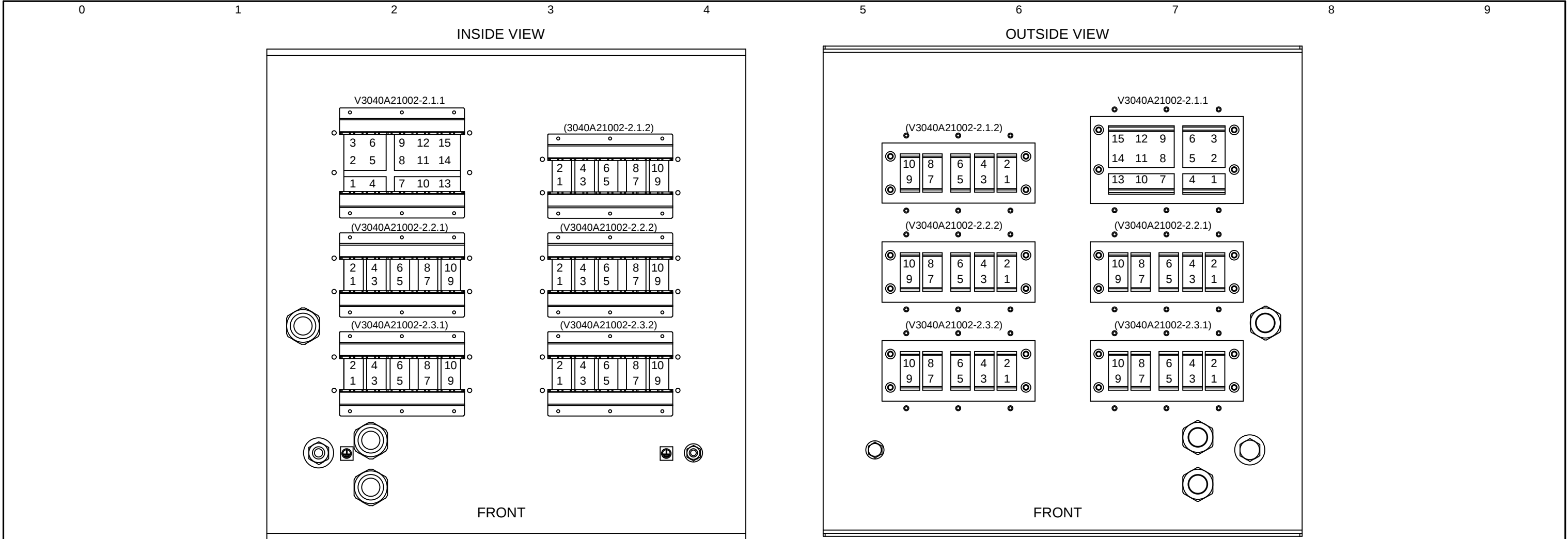
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		kk-responsible	Item-no.		ZCD-no:	L-2	
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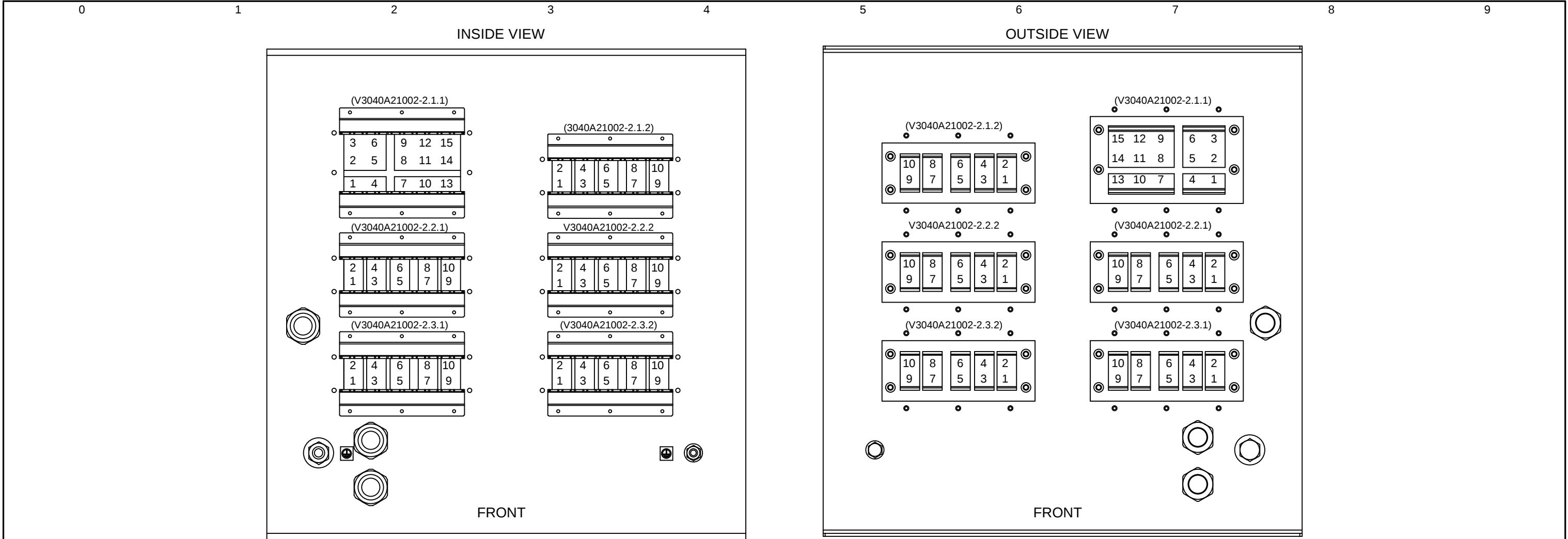
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V3040A21002-1.2	1	809.W3.1	809.X3.1	4G16 LSOH	26	KT26	KEL24/4	
	2	809.W3.1	809.X3.2	4G16 LSOH	26	KT26		
	3	SPARE	-	-	-	BTK		
	4	SPARE	-	-	-	BTK		



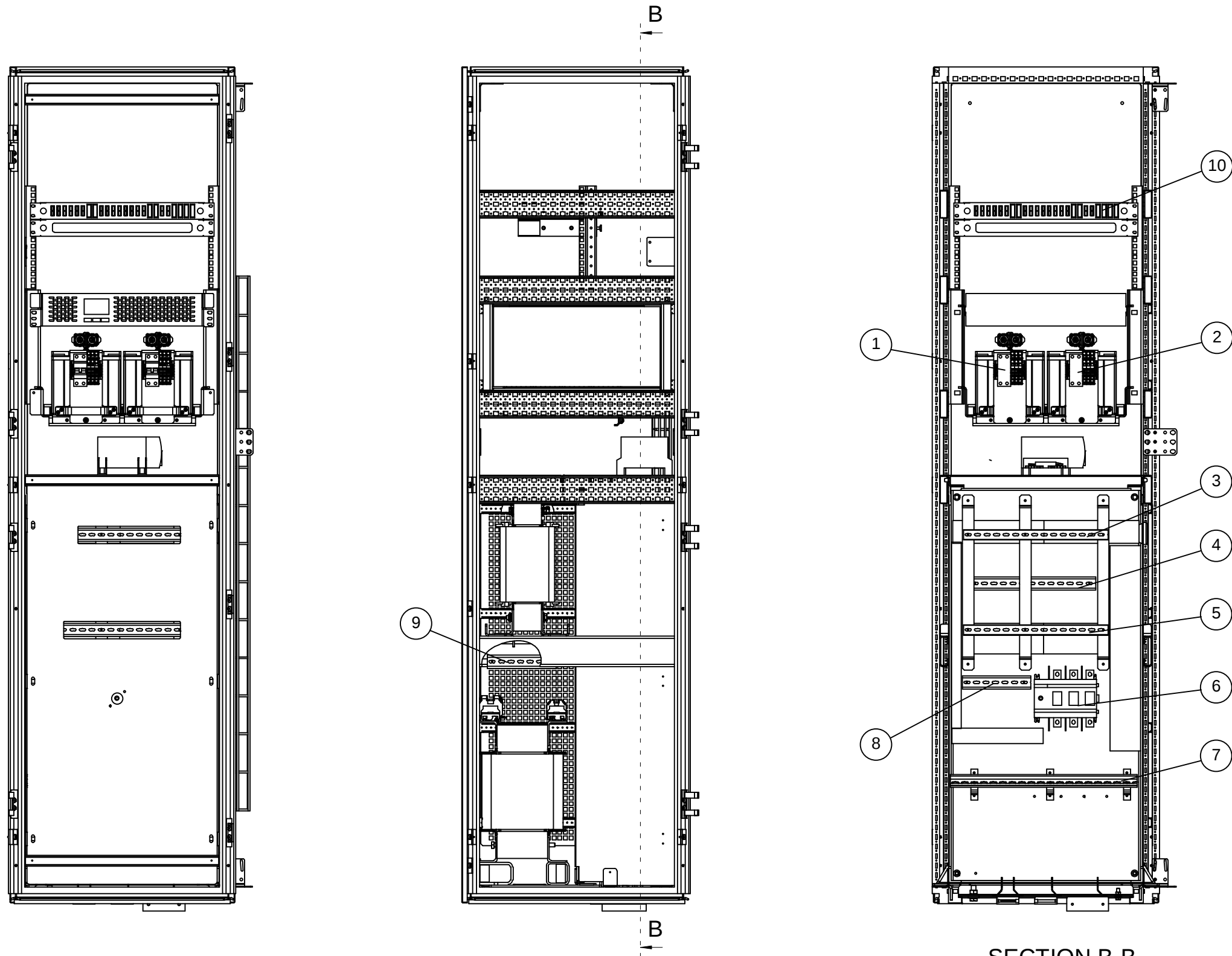
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	2	802.W10	802.X10	4G1,5 LSOH	11	KT11
	3	804.W1	804.X1	4G1,5 LSOH	11	KT11
	4	802.W1	802.X1	4G4 LSOH	14	KT14
	5	809.W7	809.X7	4G1,5 LSOH	11	KT11
	6	SPARE	-	-	-	BTK
	7	809.W8	809.X8	4G2,5 LSOH	12	KT12
	8	SPARE	-	-	-	BTK
	9	809.W6	809.X6	4G10 LSOH	16	KT17
	10	SPARE	-	-	-	BTK
				KEL 24/10		



V3040A21002-2.1.1	1	301.W1	301.X1	12X1 LIHCH	11,5	KT11	KEL MT-10	3691215 2581114 1471013
	2	101.W1	101.X1	12X1,5 LIHCH	14,0	KT14		
	3	000.W1	000.X1	7G1 LIHCH	9,5	KT9		
	4	801.W2	801.X2	3X1 LIHCH	6,9	KT6		
	5	801.W1	801.X1	2X1 LIHCH	6,5	KT6		
	6	801.W4	801.X4	3X0,25 LIHCH	4,6	KT4/5		
	6	801.W5	801.X5	3X0,25 LIHCH	4,6	-		
	6	801.W7	801.X7	3X0,25 LIHCH	4,6	-		
	6	801.W8	801.X8	3X0,25 LIHCH	4,6	-		
	7	801.W11	801.X11	18X1 LIHCH	14,2	KT14		
	8		801.X6	2X1 LIHCH	6,5	KT6		
	9	801.W9	801.X9	3X0,25 LIHCH	4,6	KT4/5		
	9	801.W10	801.X10	3X0,25 LIHCH	4,6	-		
	9	803.W1	803.X1	3X0,25 LIHCH	4,6	-		
	9	803.W2	803.X2	3X0,25 LIHCH	4,6	-		
	10	803.W5	803.X5	3X0,25 LIHCH	4,6	KT4		
	11	801.W6	801.X6	3X0,5 Ölflex	4,9	KT4		
	12	801.W14	801.X14	3X1 LIHCH	6,9	KT6		
	13	808.W3	808.X3	3X1 LIHCH	6,9	KT6		
	14	808.W2	808.X2	3X1 LIHCH	6,9	KT6		
	15	SPARE	-	-	-	BTK		

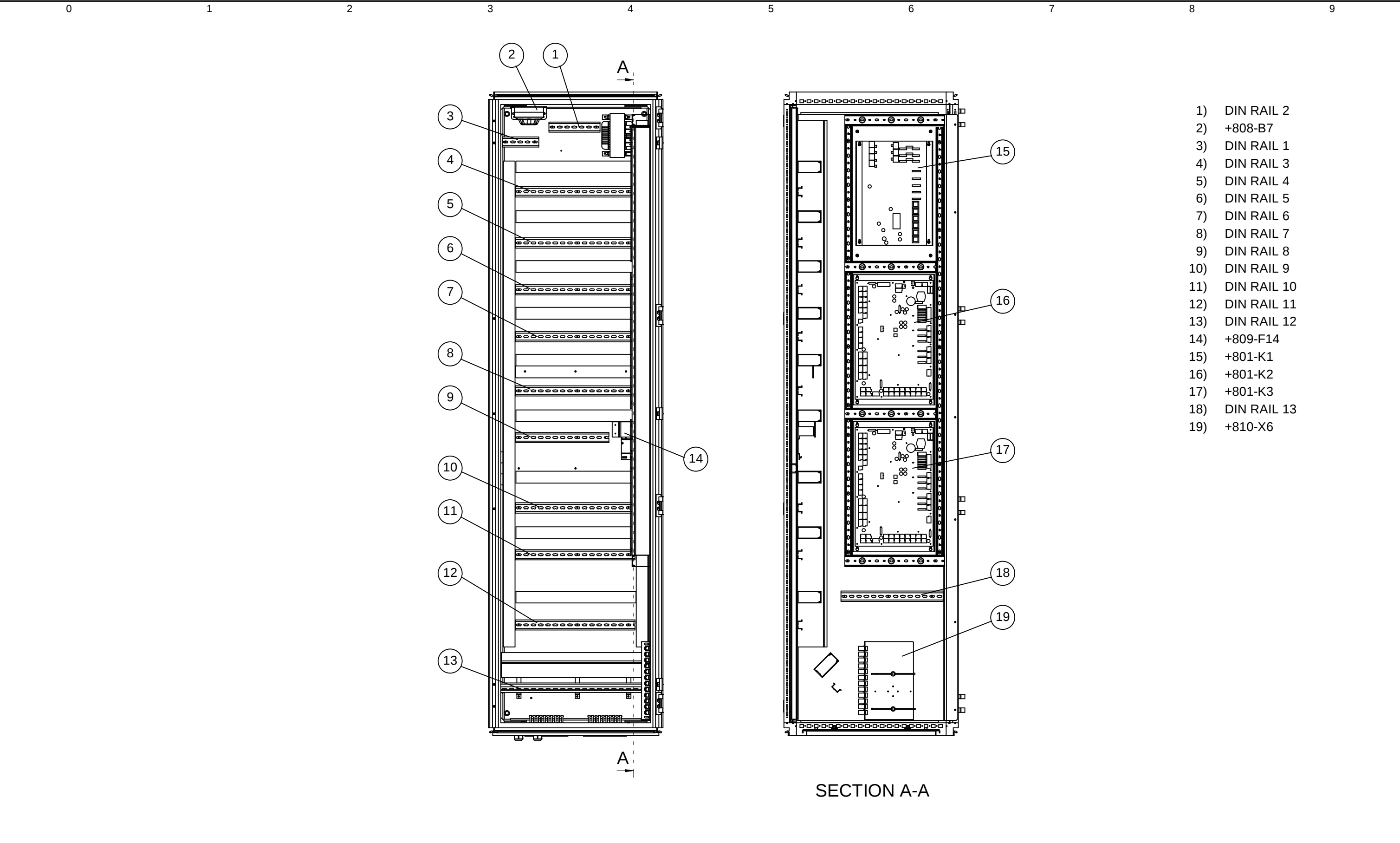


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	2	SPARE	-	-	-	BTK
	3	SPARE	-	-	-	BTK
	4	+A28.801.W1	801.X16	7X1 LIHCH	9,5	KT9
	5	SPARE	-	-	-	BTK
	6	+A28.808.W1	808.X10	3X1 LIHCH	6,9	KT6
	7	SPARE	-	-	-	BTK
	8	SPARE	-	-	-	BTK
	9	SPARE	-	-	-	BTK
	10	810.W6.5	810.X6	CAT6 E-NET	5,0	KT4/5
	10	810.W6.6	810.X6	CAT6 E-NET	5,0	-
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	KEL 24/10					246810 13579

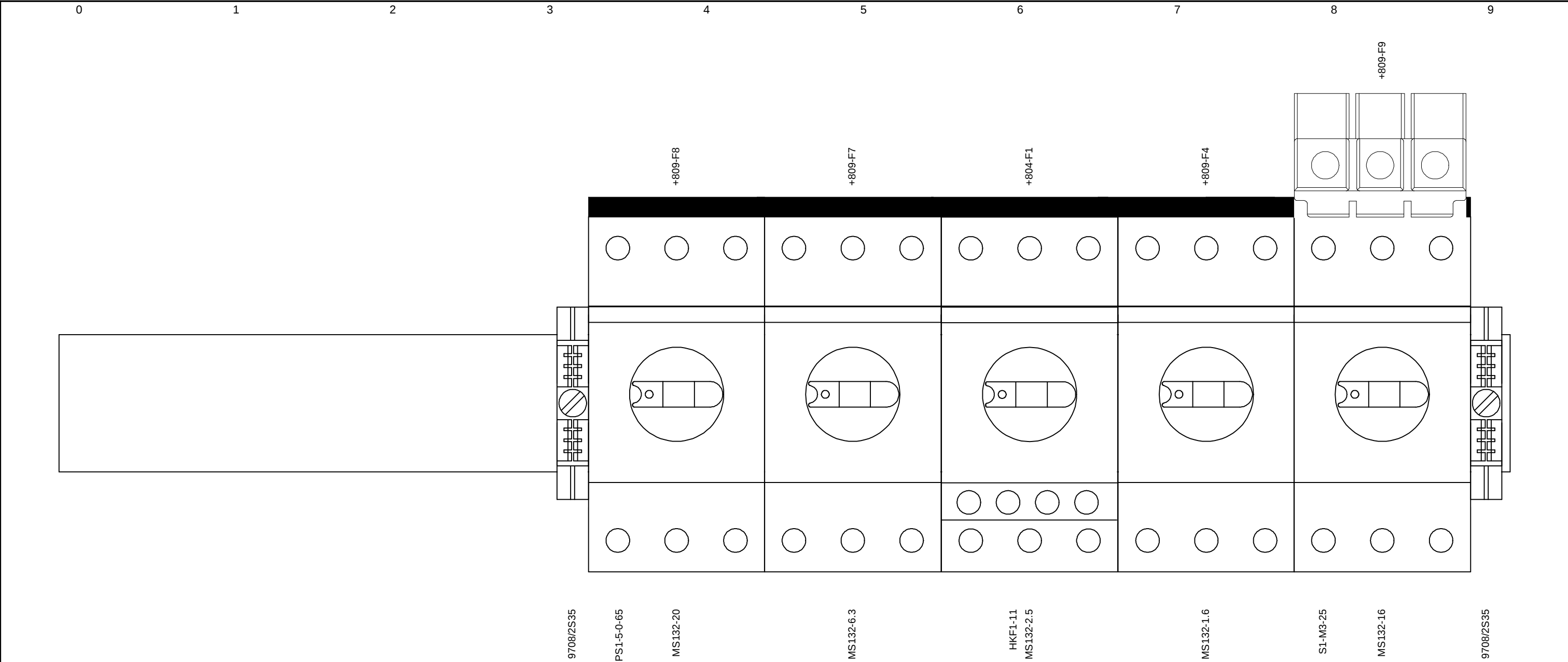


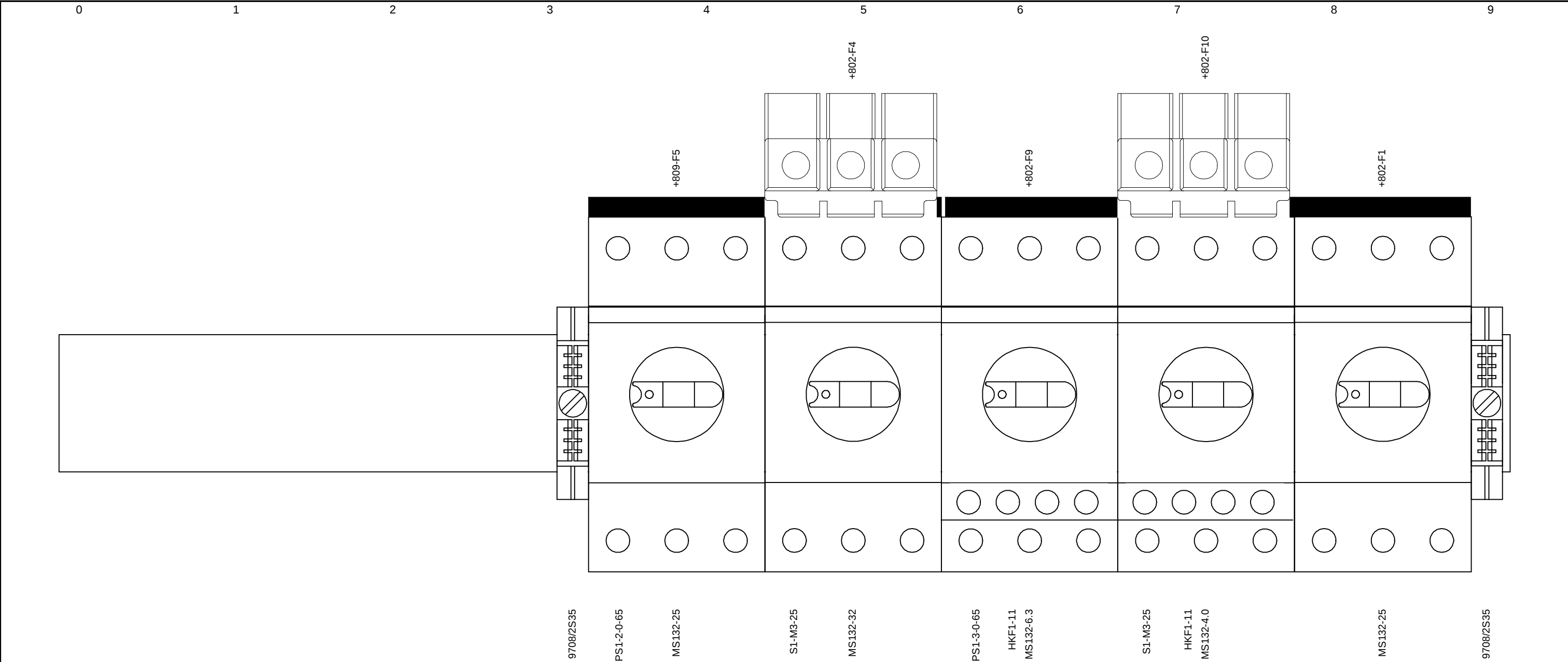
SECTION B-B

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		2014-05-28			LAYOUT DIN RAIL AND COMPONENTS INSIDE PO (LEFT SIDE)	+A21	
		kk-responsible	Item-no.			ZCD-no:	L-10
		JASOE/mebje	V3040A21002			1040046	
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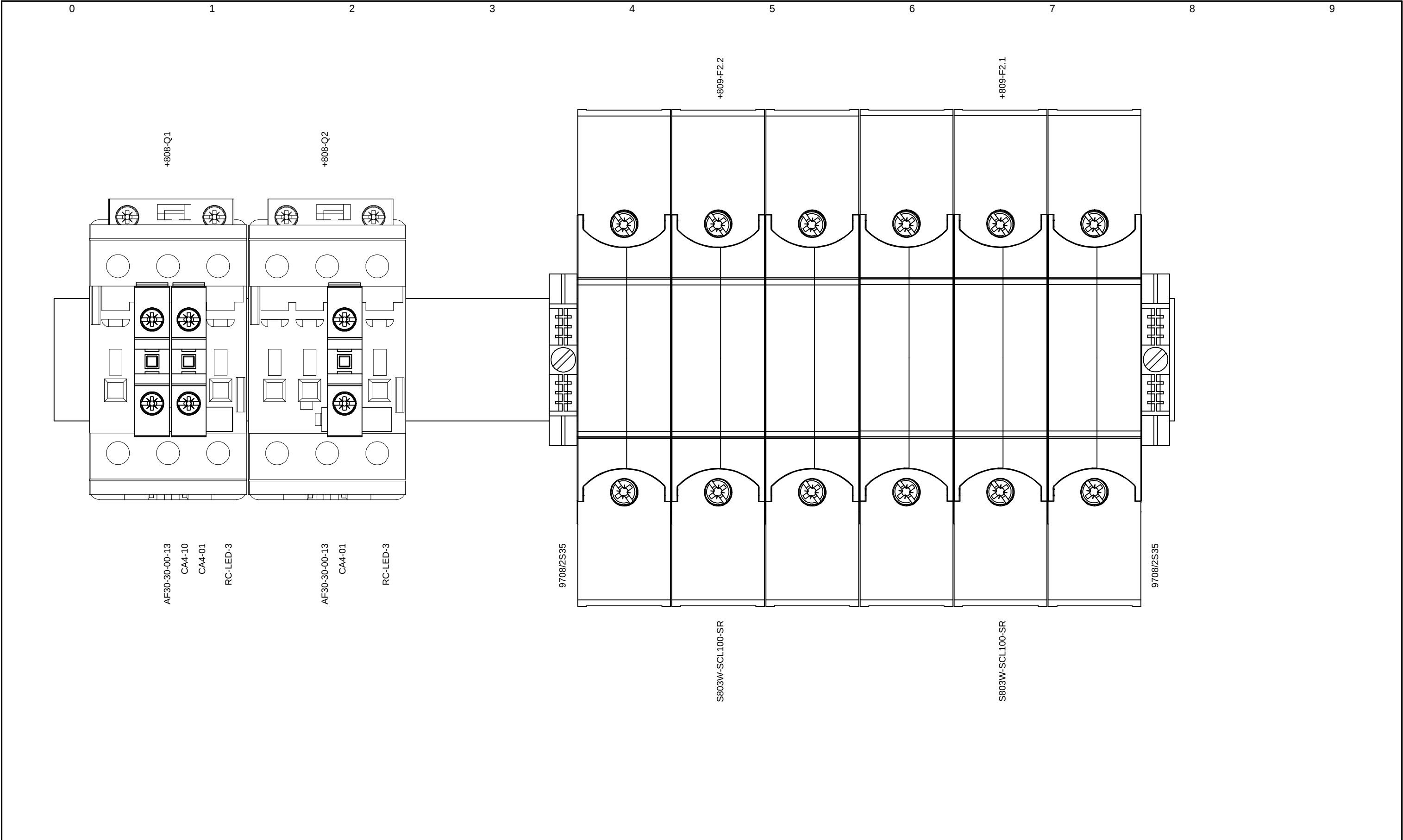
- 1) DIN RAIL 2
- 2) +808-B7
- 3) DIN RAIL 1
- 4) DIN RAIL 3
- 5) DIN RAIL 4
- 6) DIN RAIL 5
- 7) DIN RAIL 6
- 8) DIN RAIL 7
- 9) DIN RAIL 8
- 10) DIN RAIL 9
- 11) DIN RAIL 10
- 12) DIN RAIL 11
- 13) DIN RAIL 12
- 14) +809-F14
- 15) +801-K1
- 16) +801-K2
- 17) +801-K3
- 18) DIN RAIL 13
- 19) +810-X6



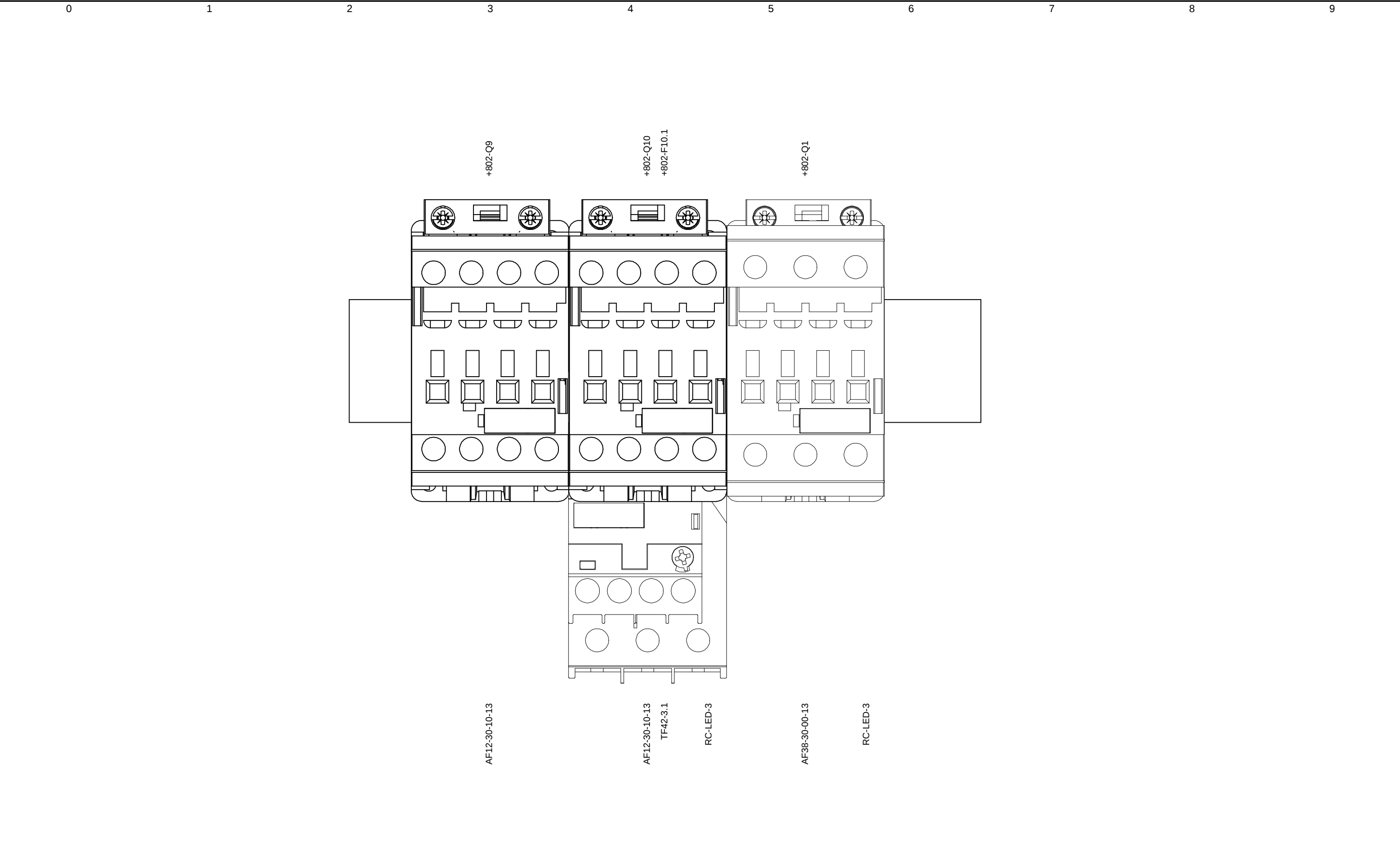


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		JASOE/mebje	1040046			+A21/L-14

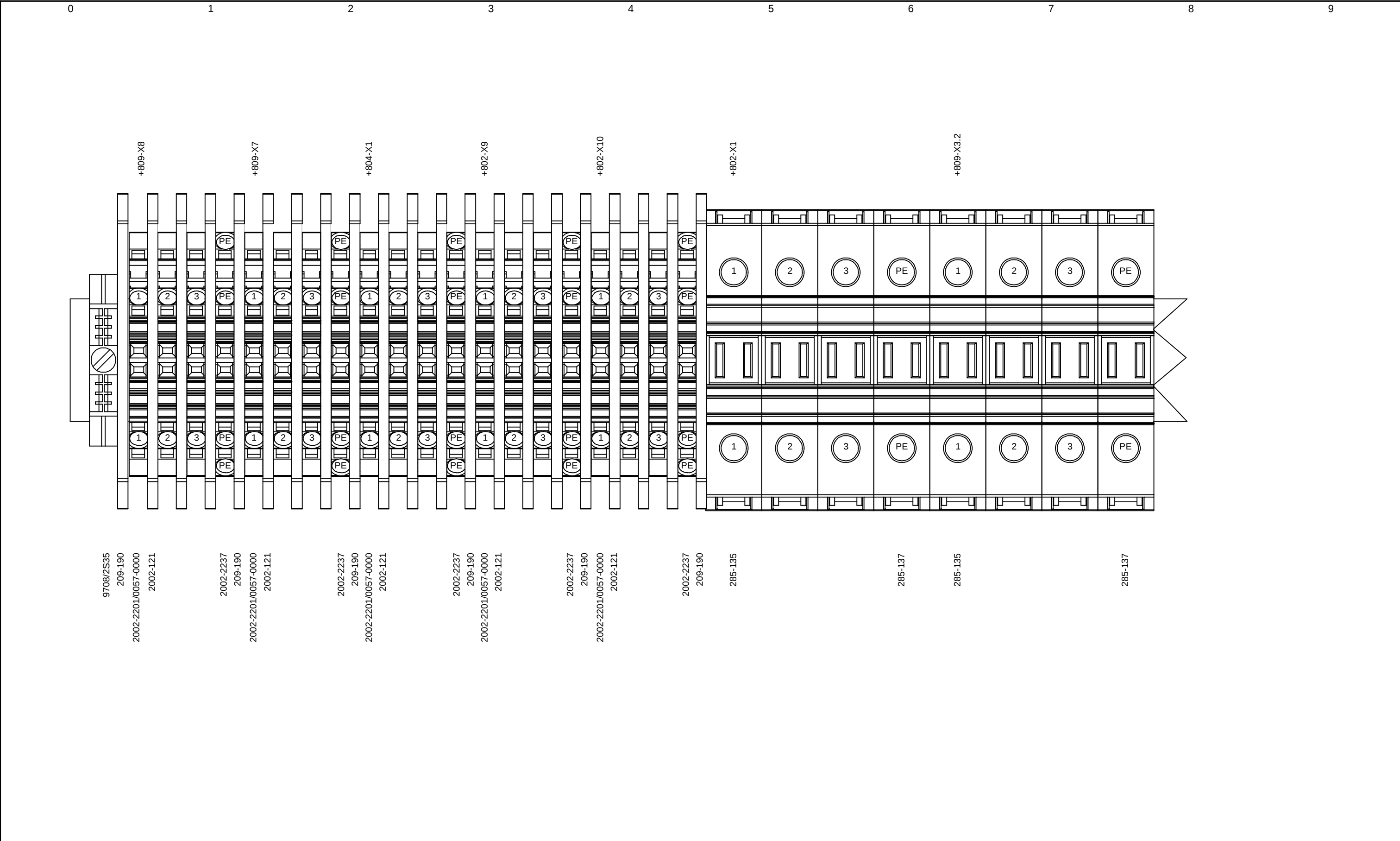
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						+A21/L-15	



 kk-electronic a/s +A21/L-14	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL	Page Content	=V304002
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		kk-responsible	Item-no.		ZCD-no:	L-15
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						+A21/L-16



9708/2S35
209-190
2002-2201/0057-0000
2002-121

2002-2237
209-190
2002-2201/0057-0000
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2002-121

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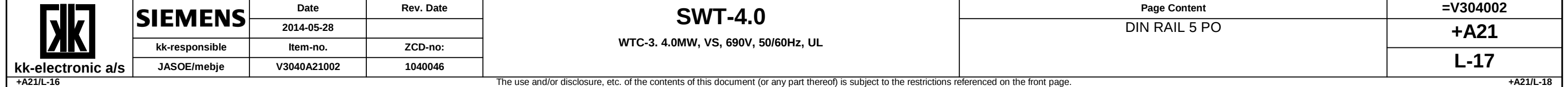
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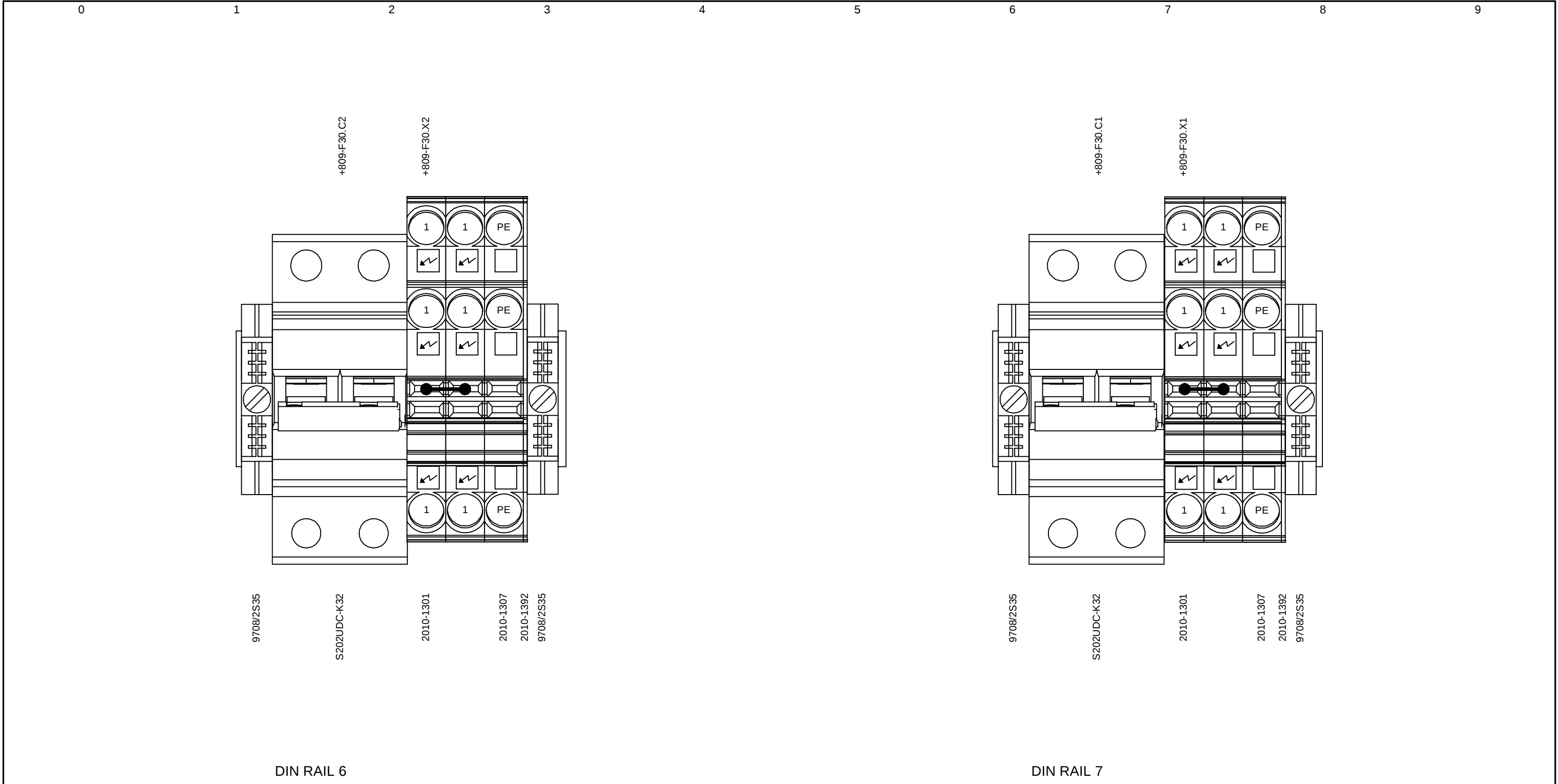
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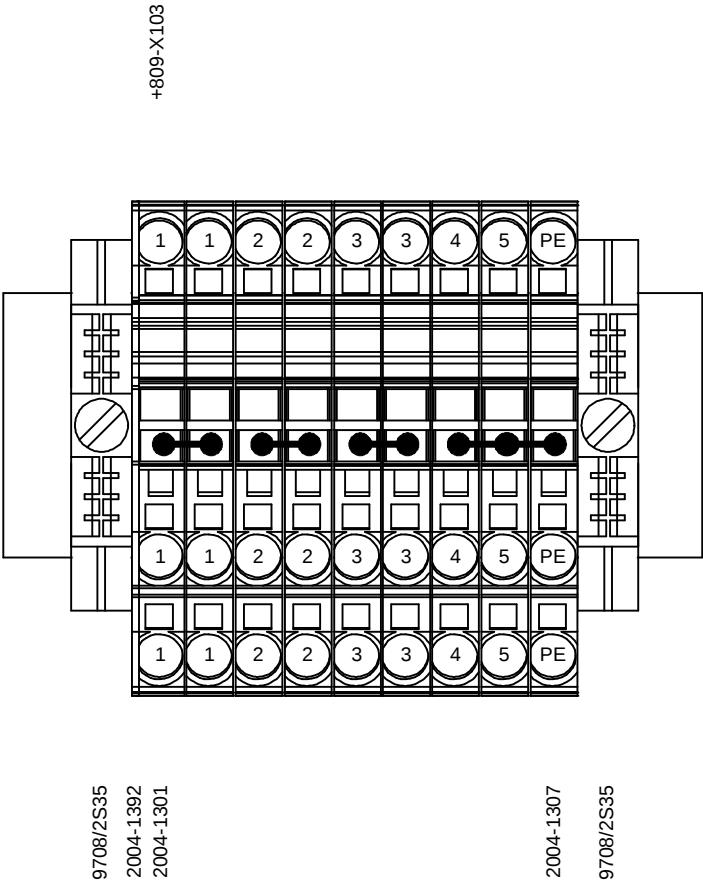
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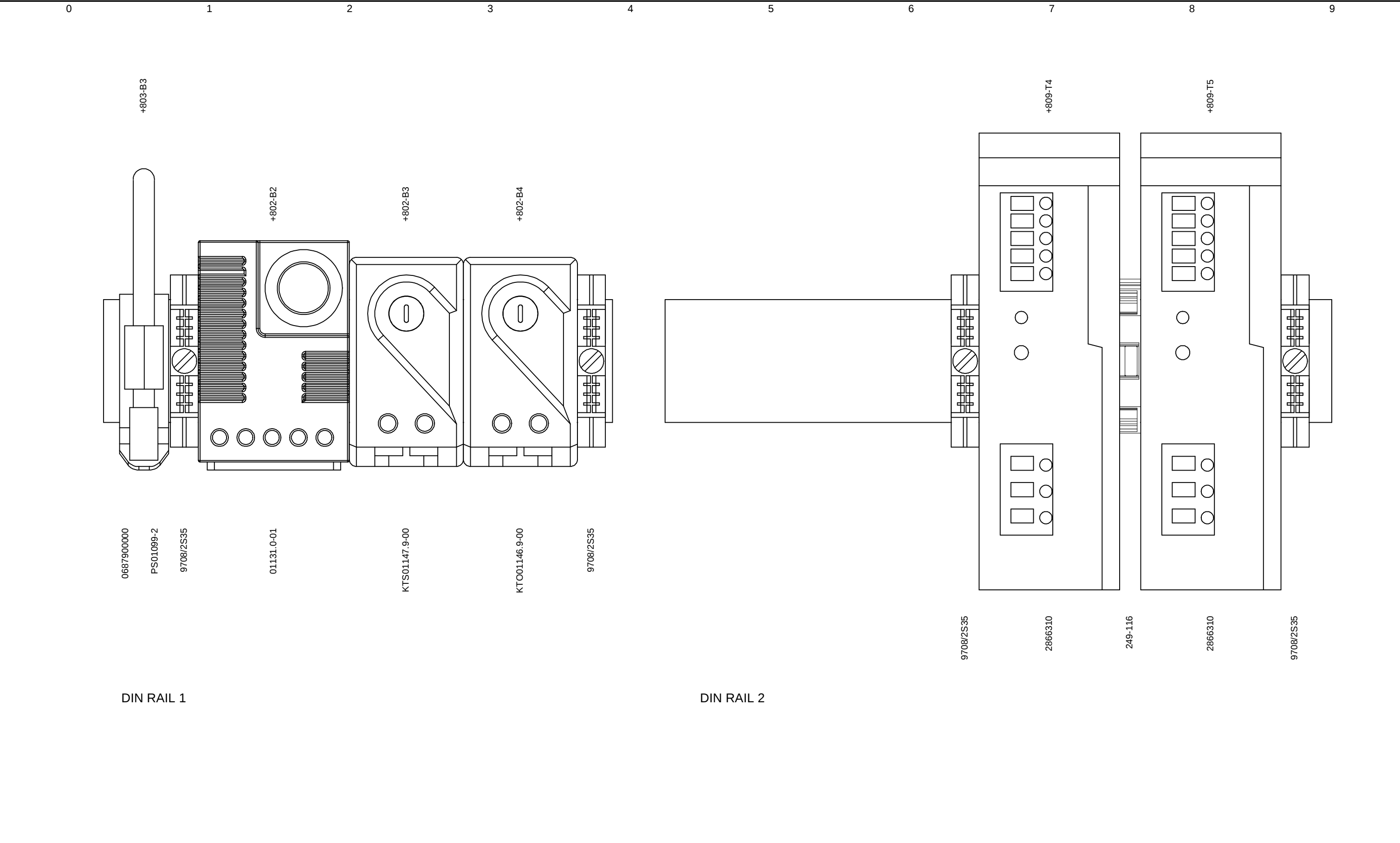
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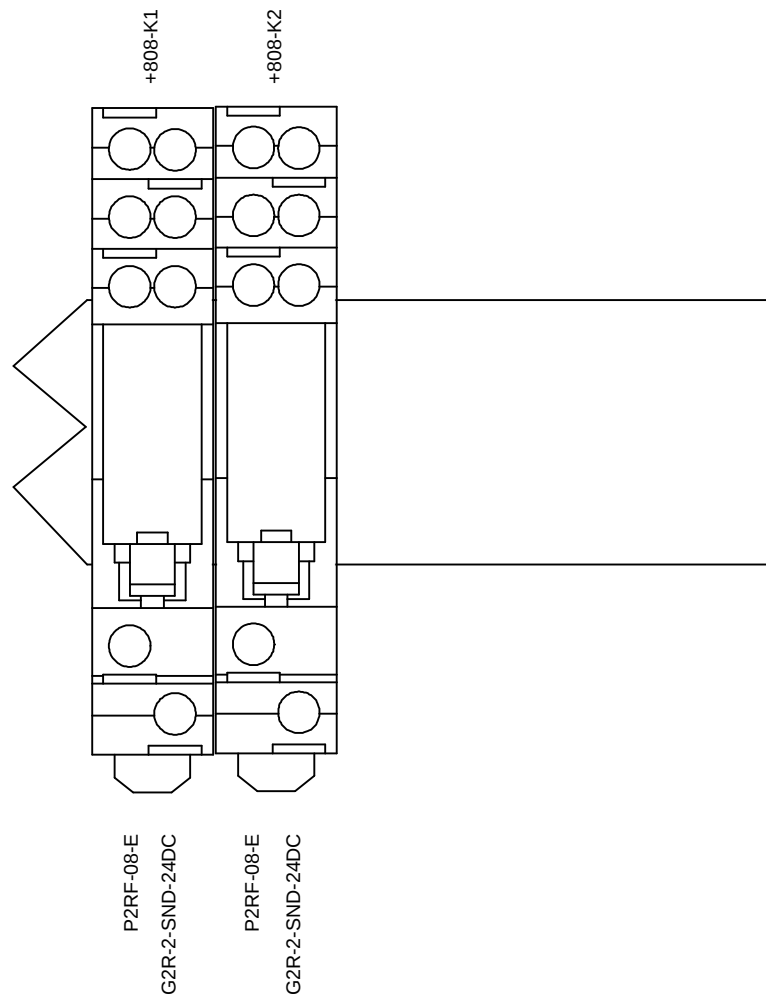


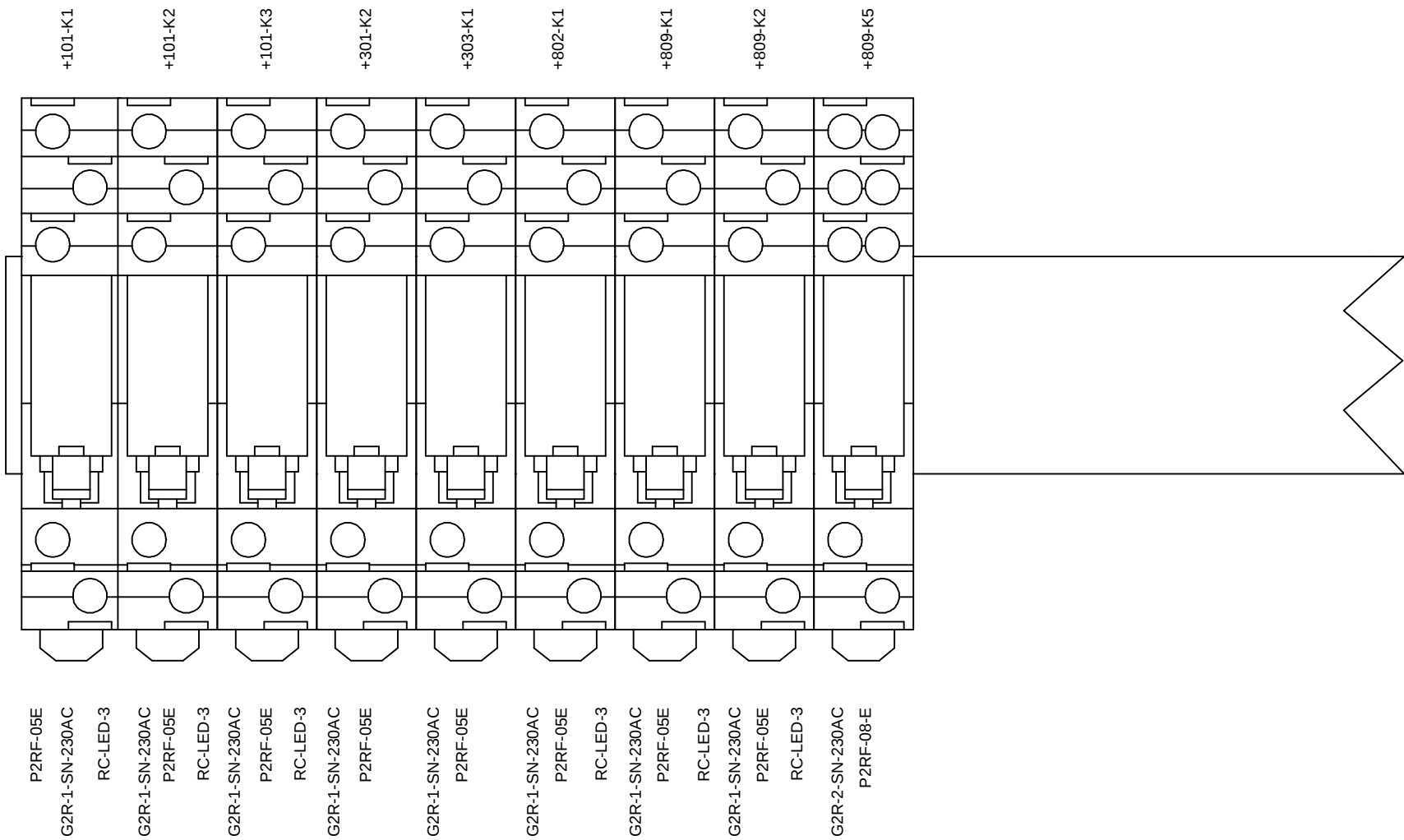


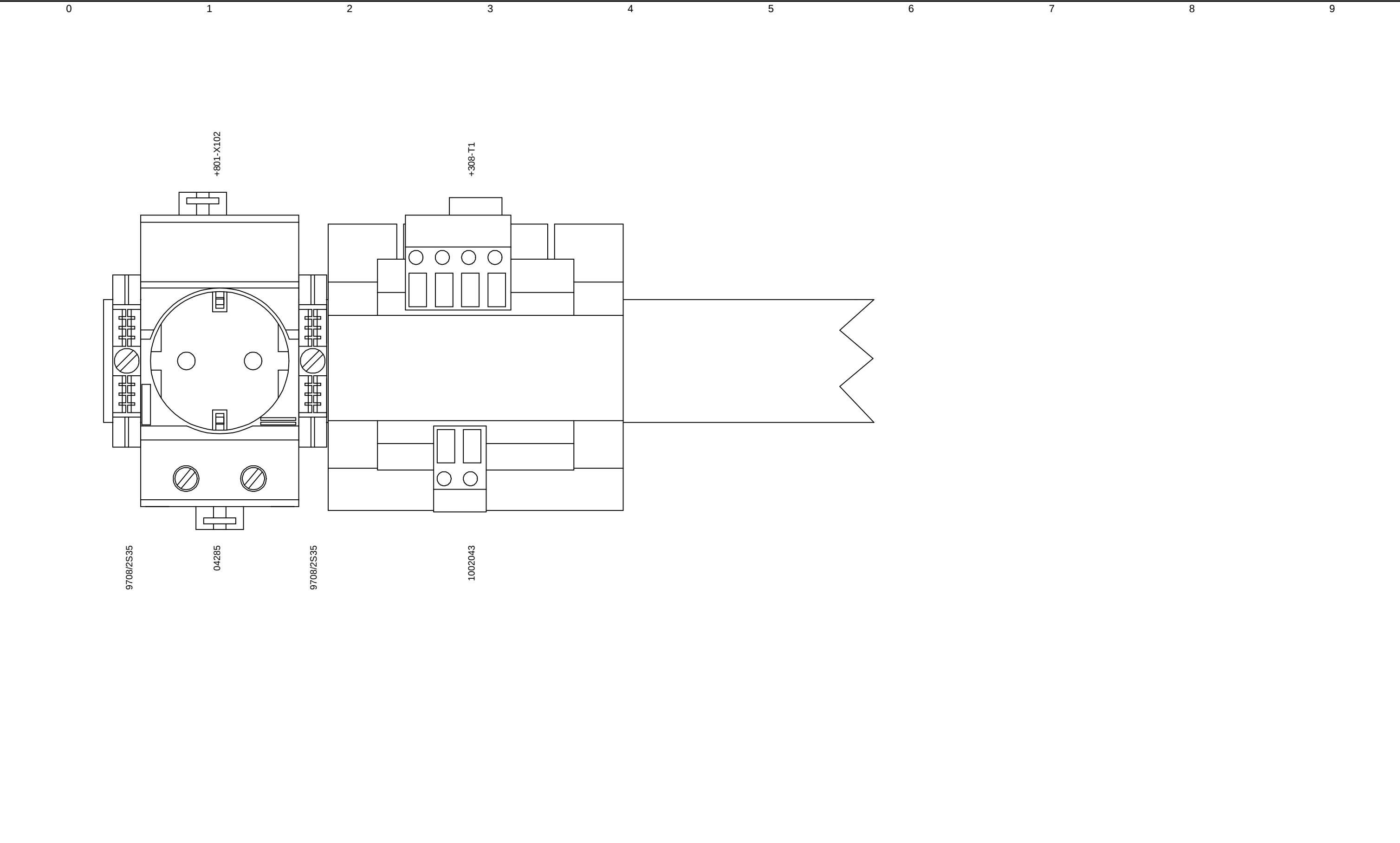


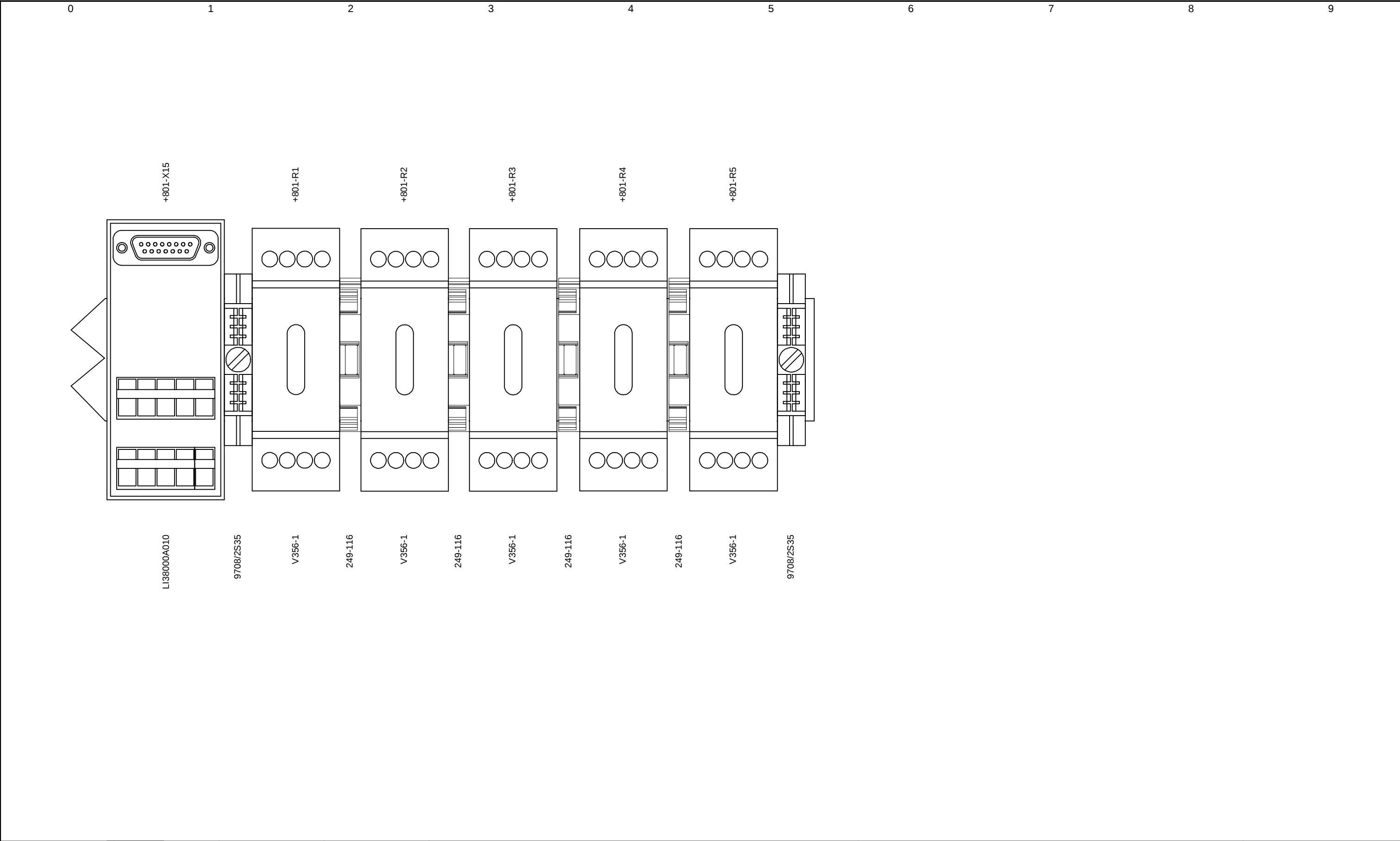


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		V3040A21002	1040046			+A21/L-21

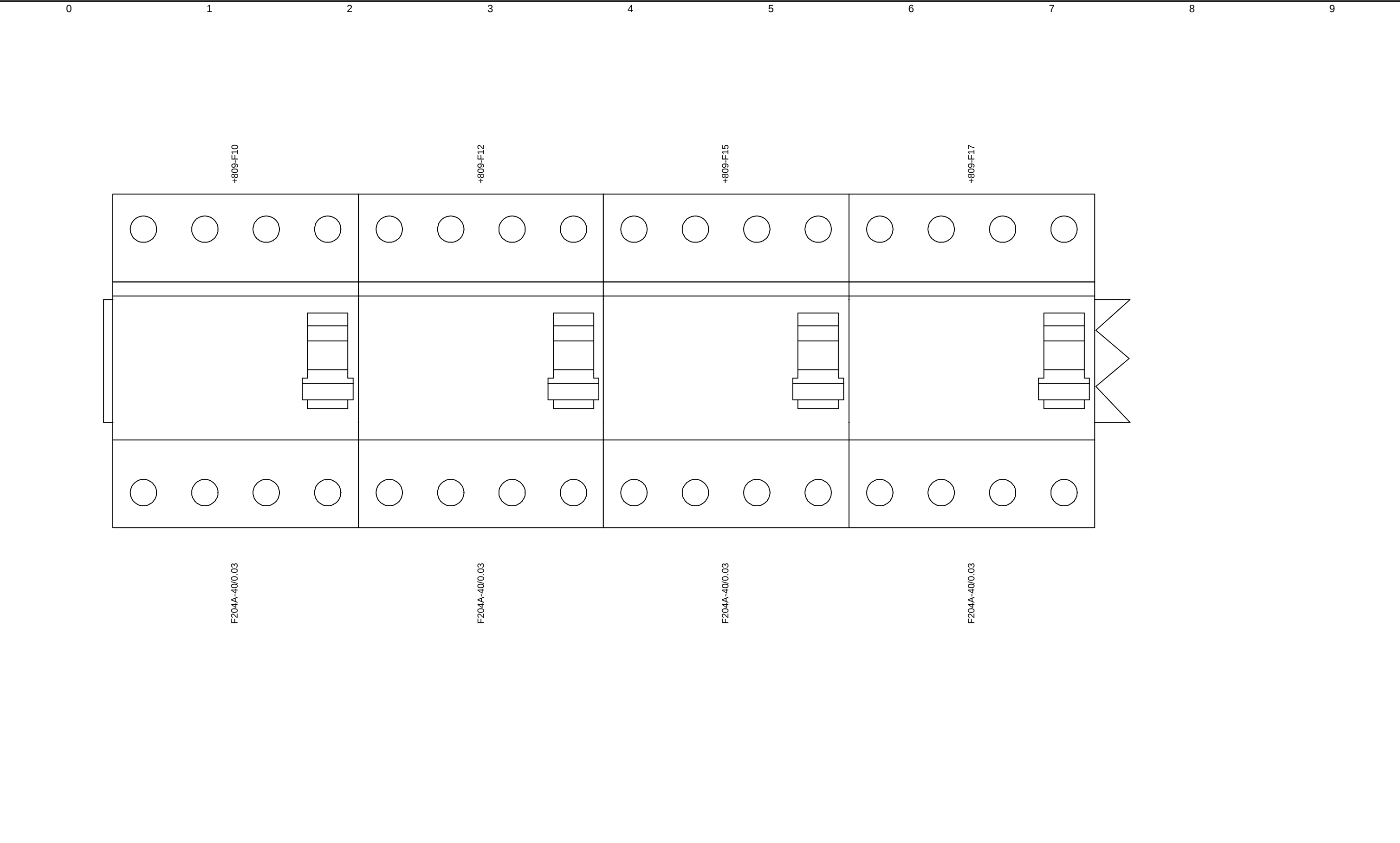




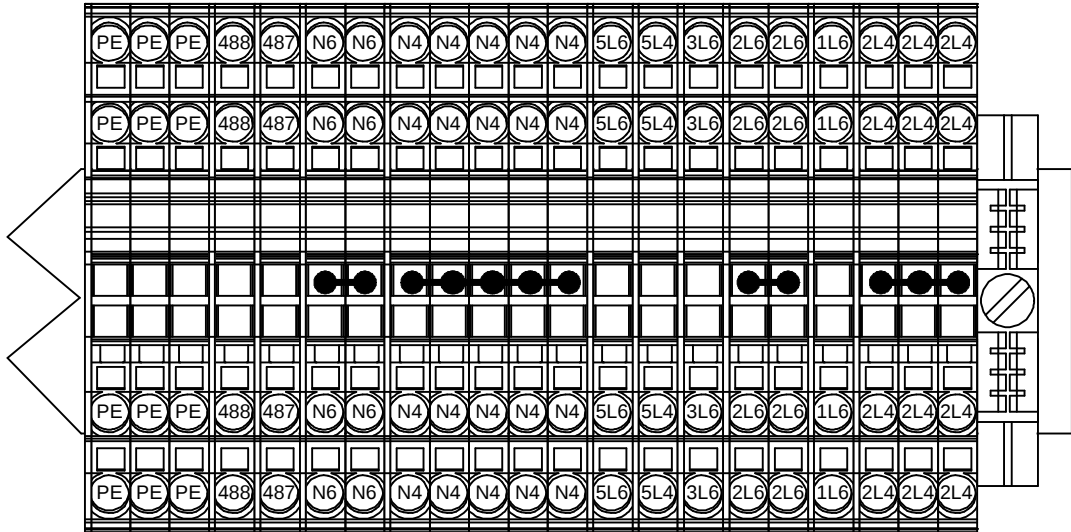




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		kk-responsible	Item-no.		ZCD-no:	L-26	
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-X3



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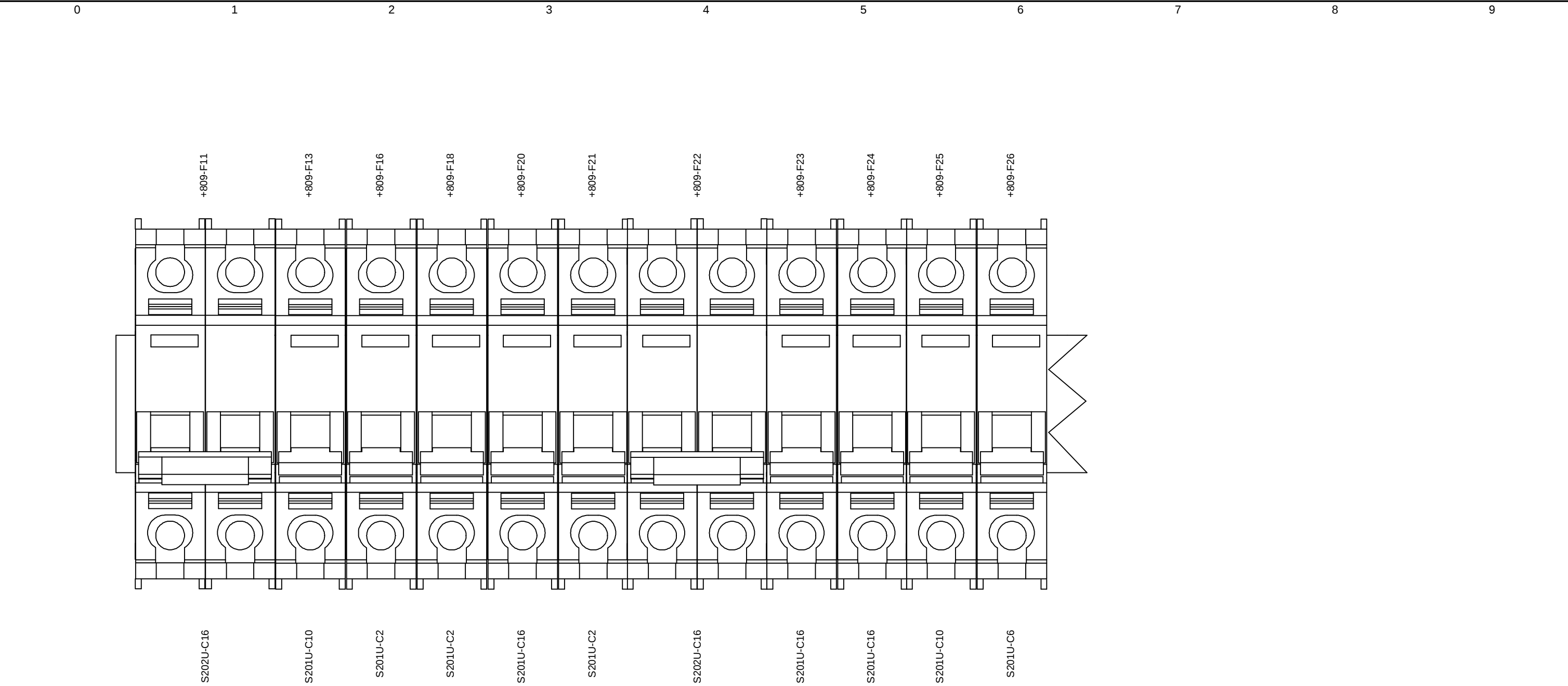
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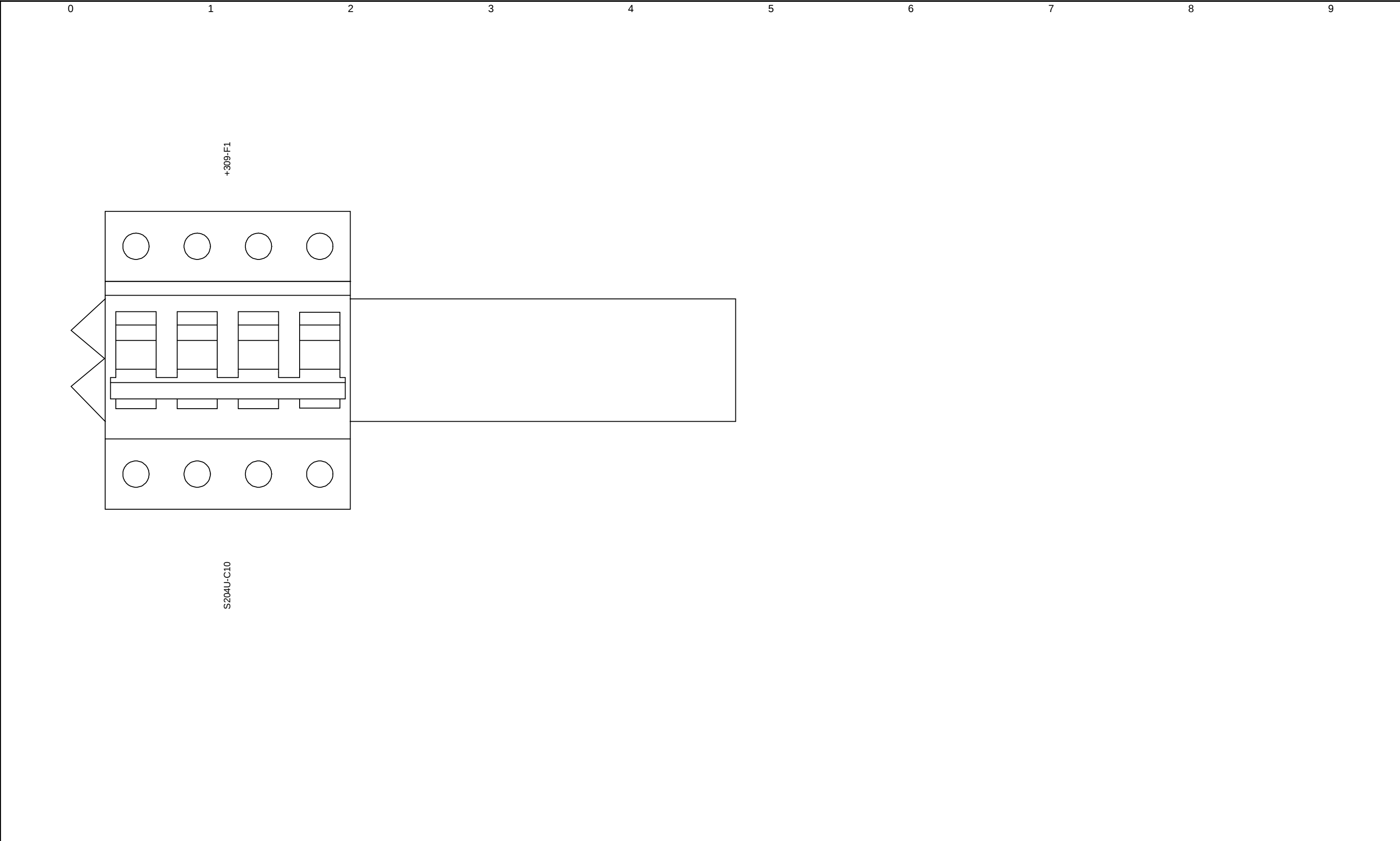
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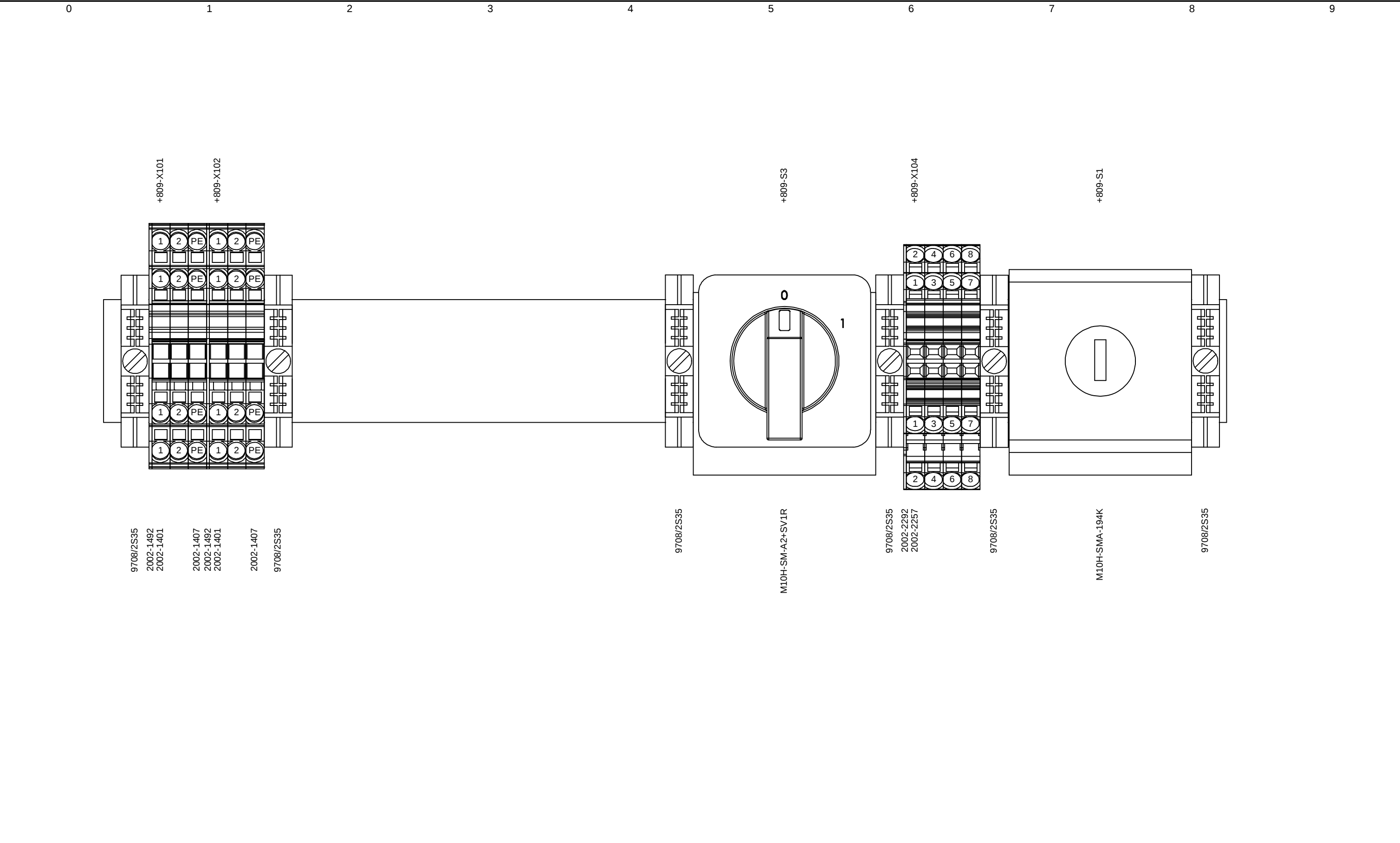
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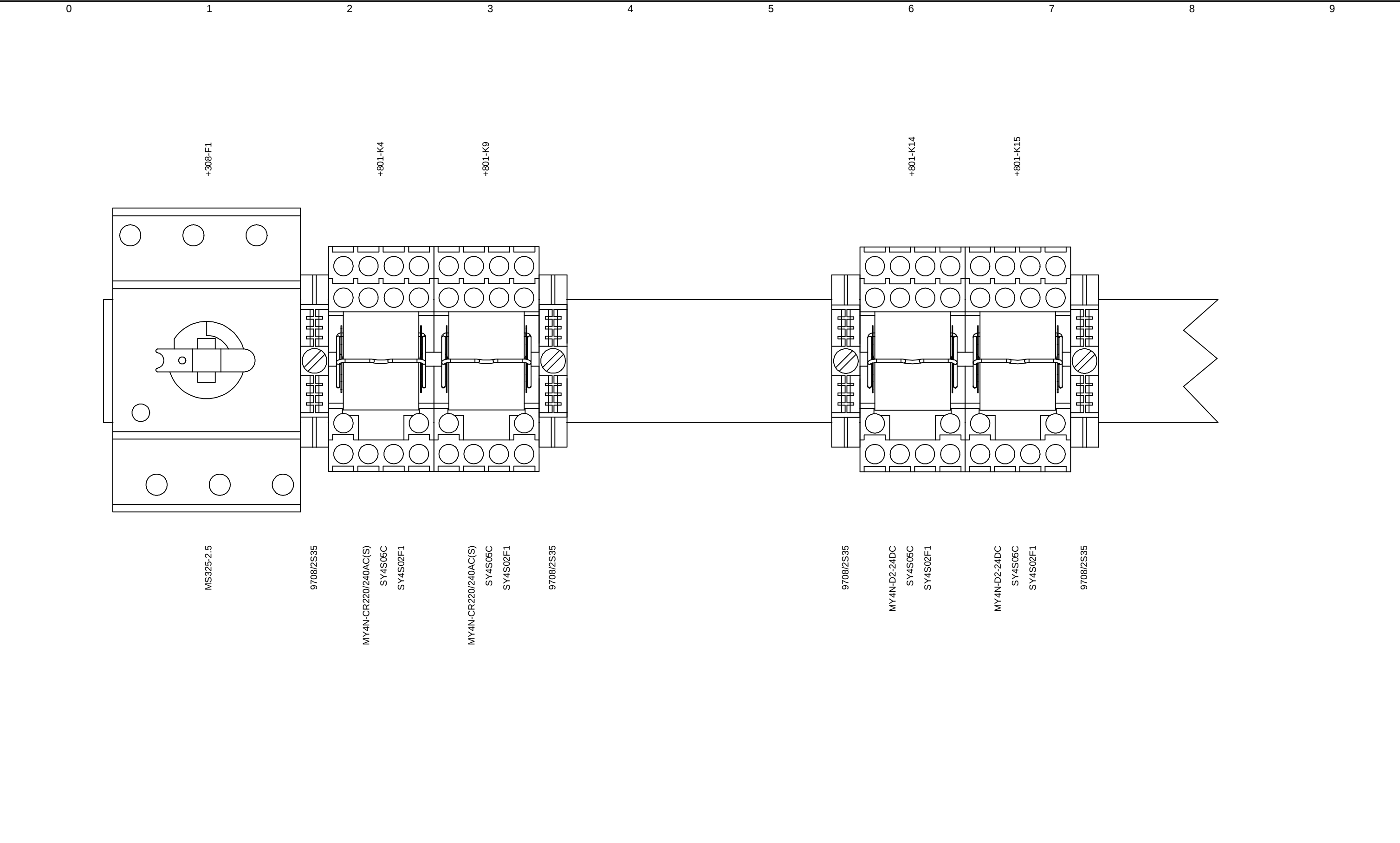
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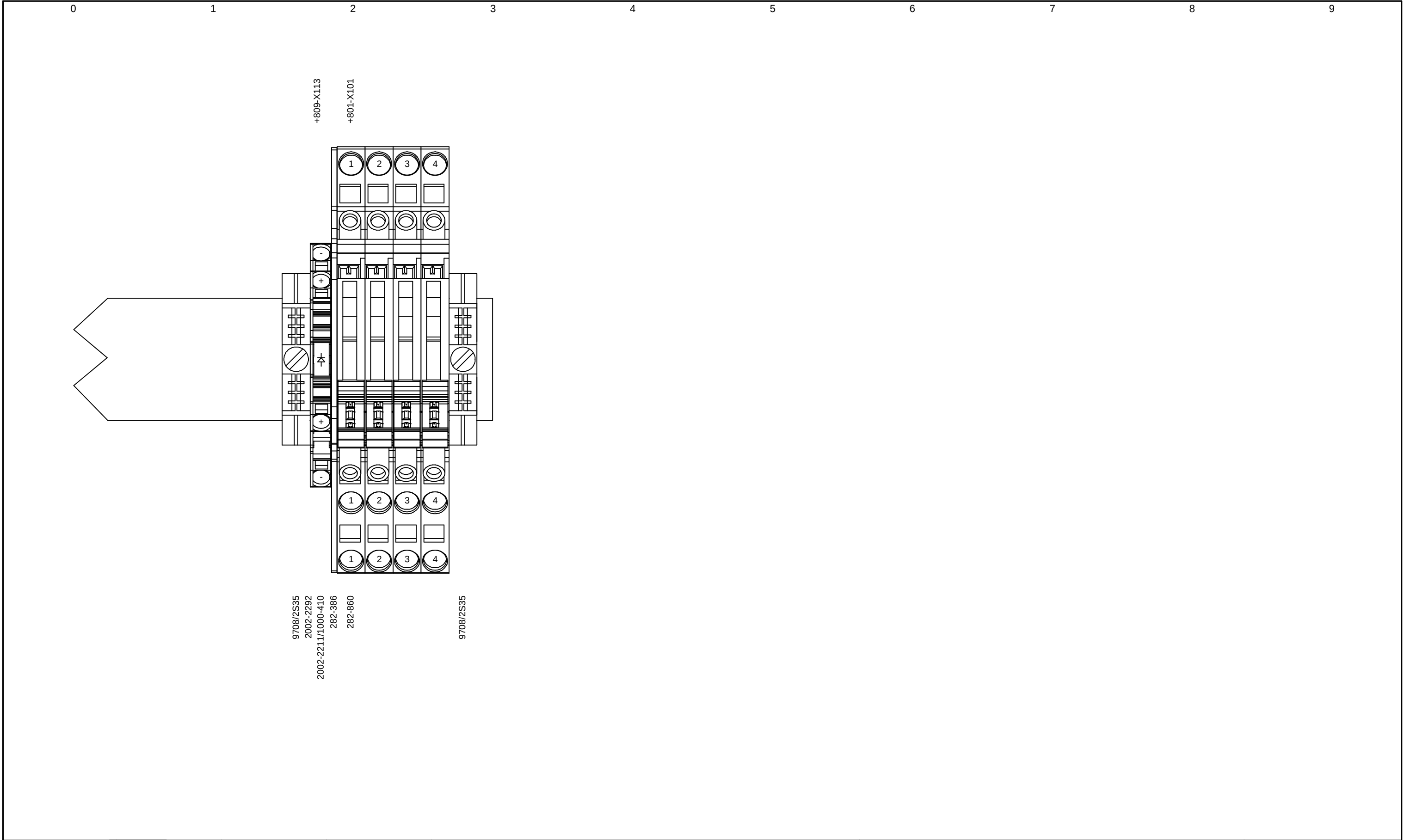


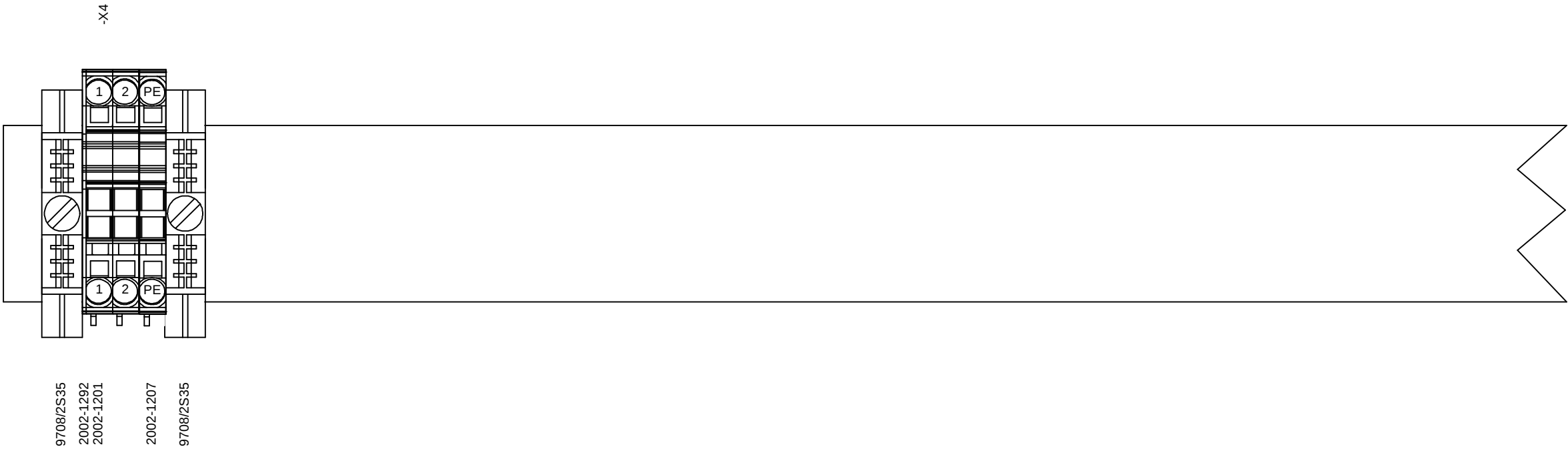


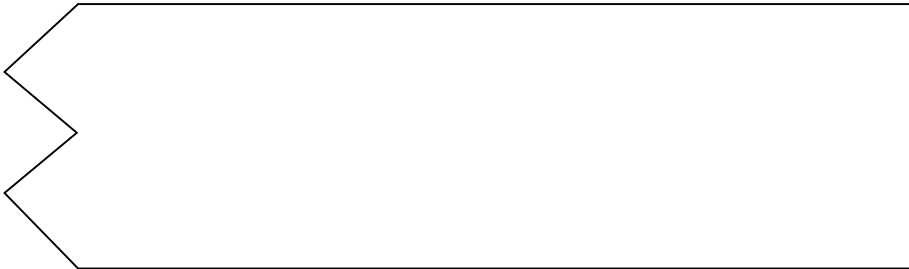


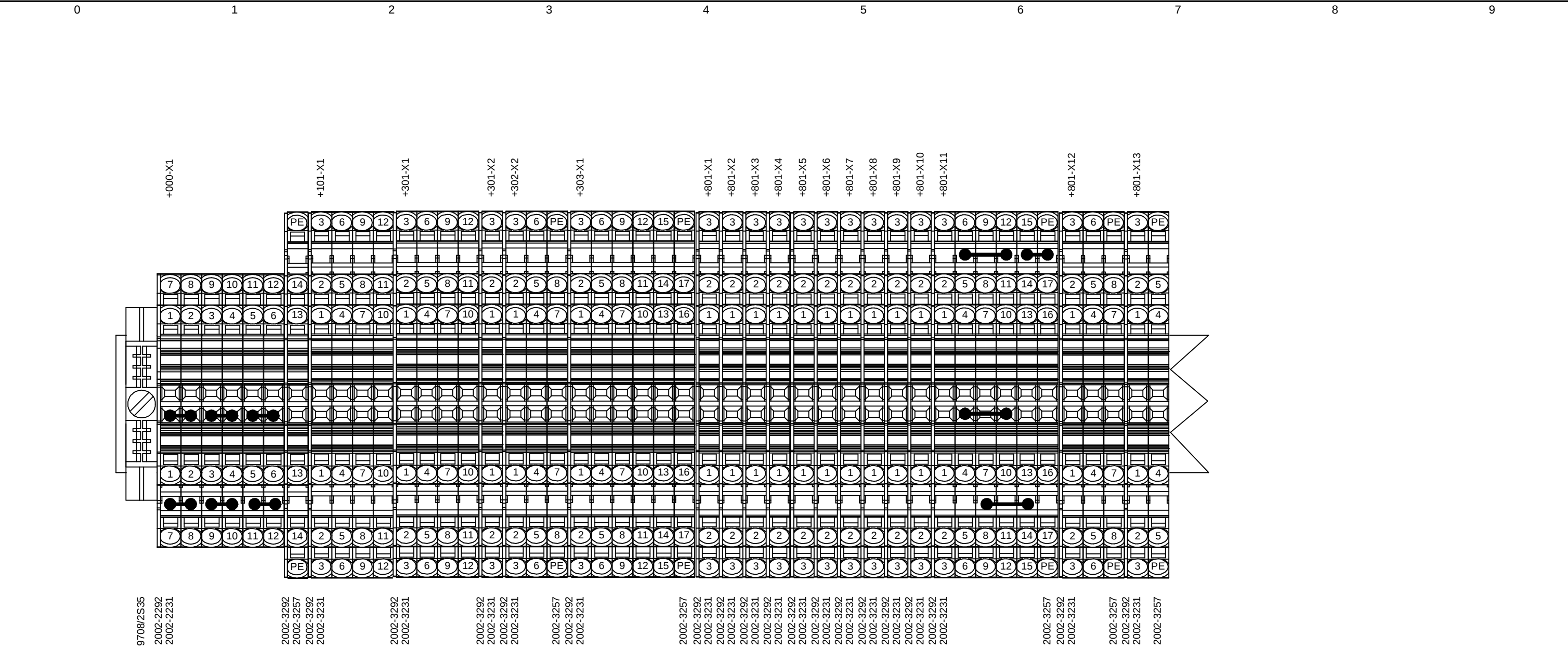


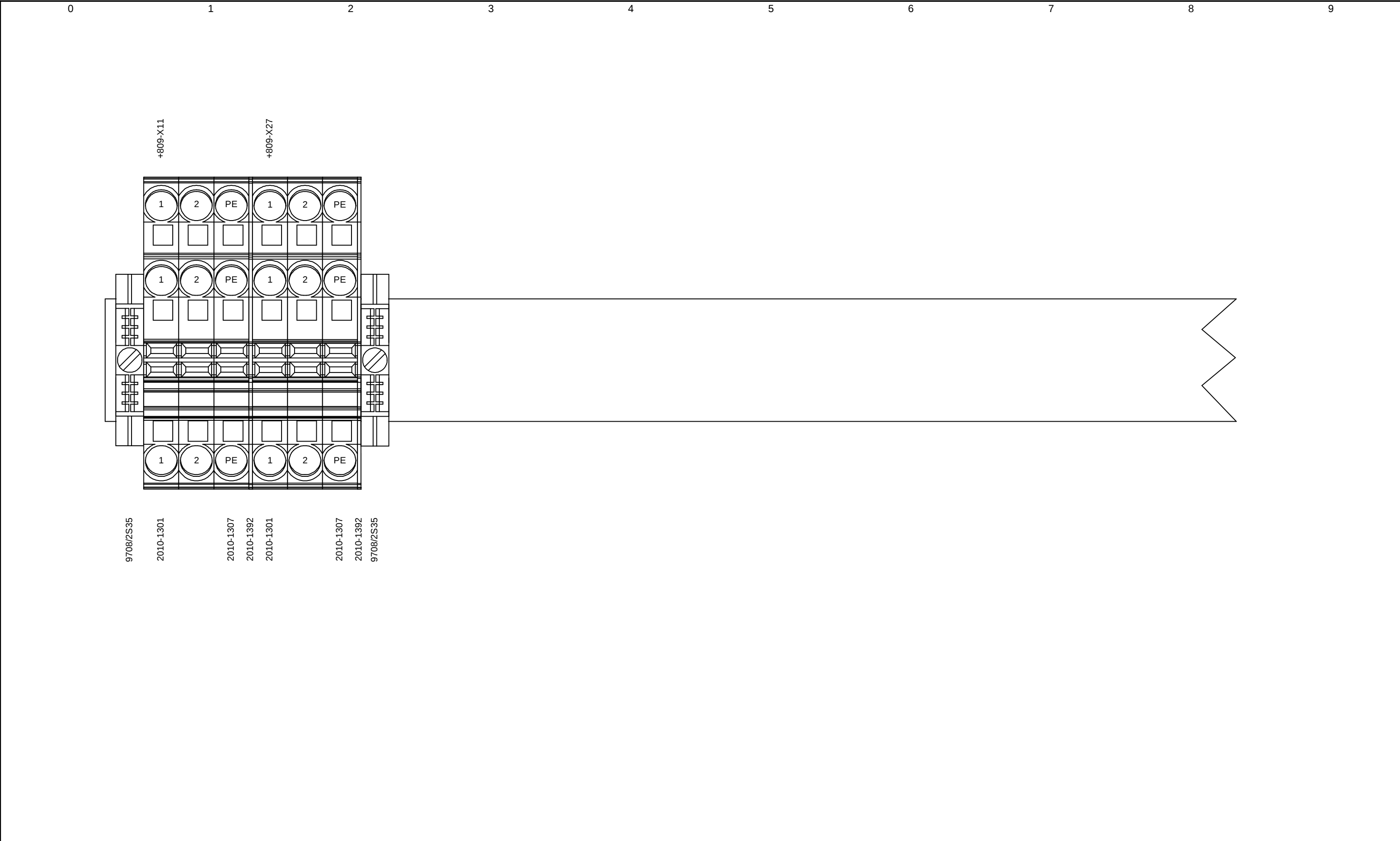
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		2014-05-28			DIN RAIL 9 CO	+A21
	kk-responsible	Item-no.	ZCD-no:			L-32
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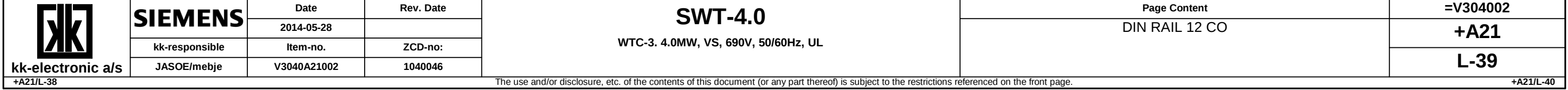


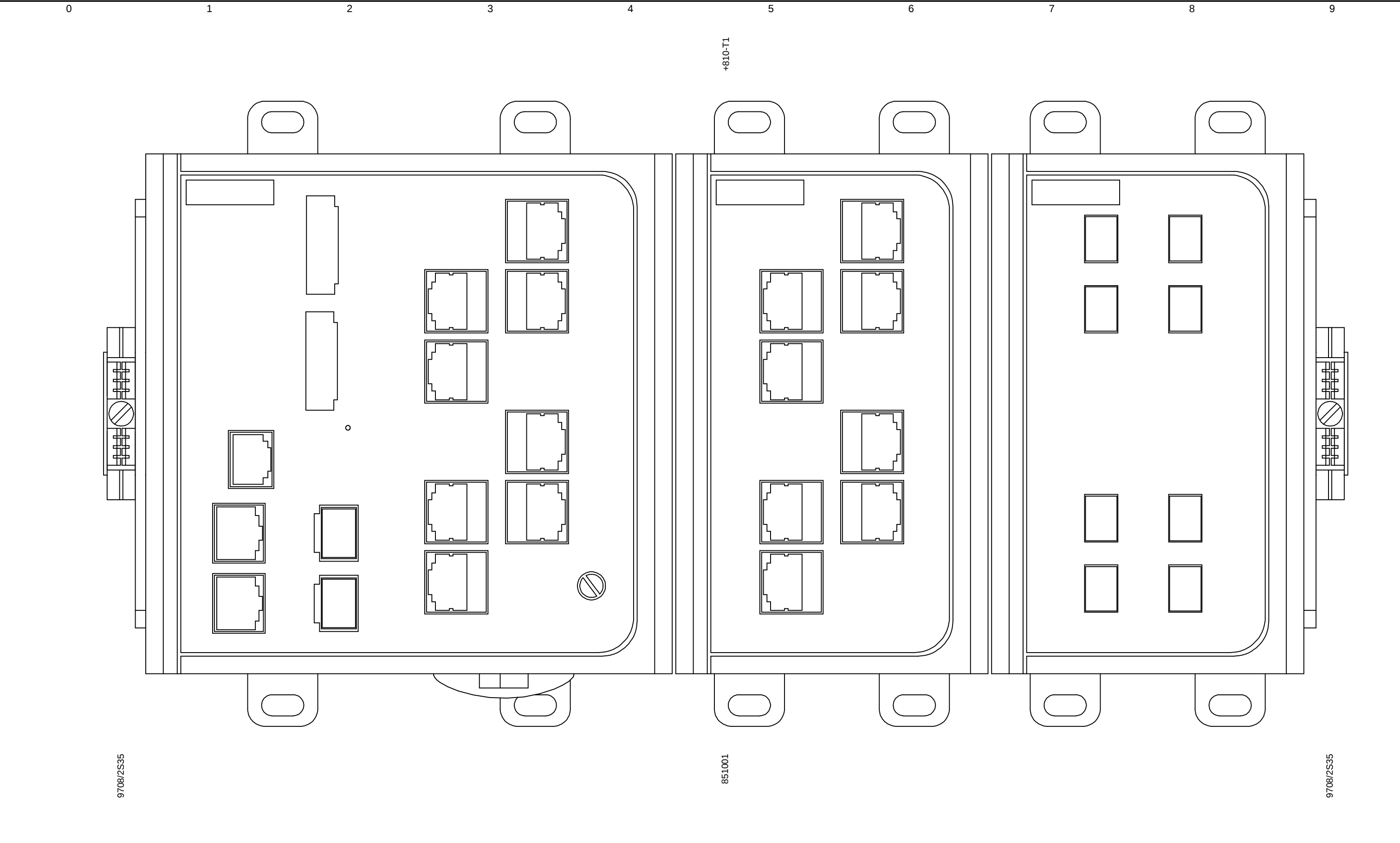






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9708/2S35



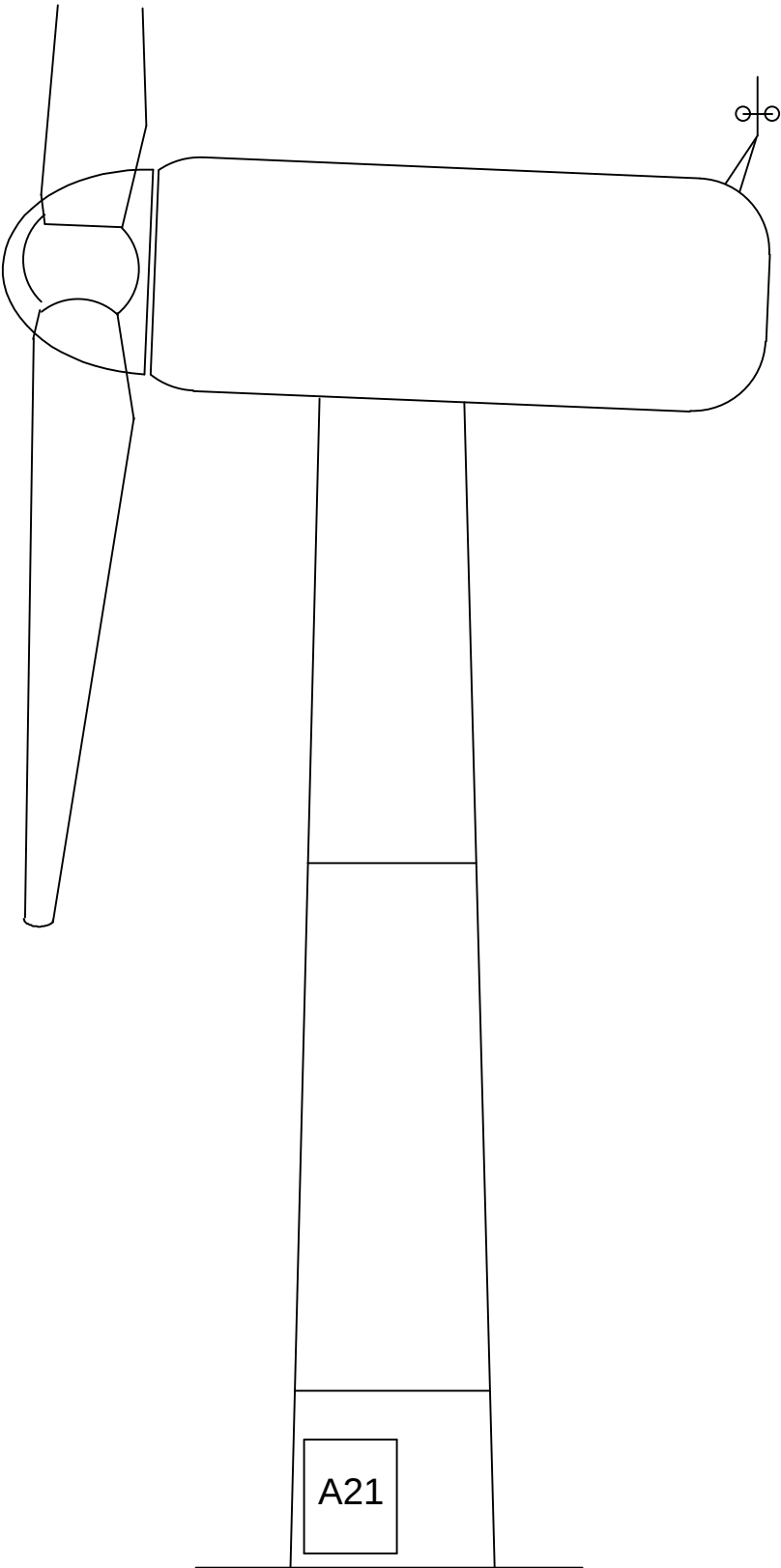


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		JASOE/mebje	1040046			+A21/+A21 D

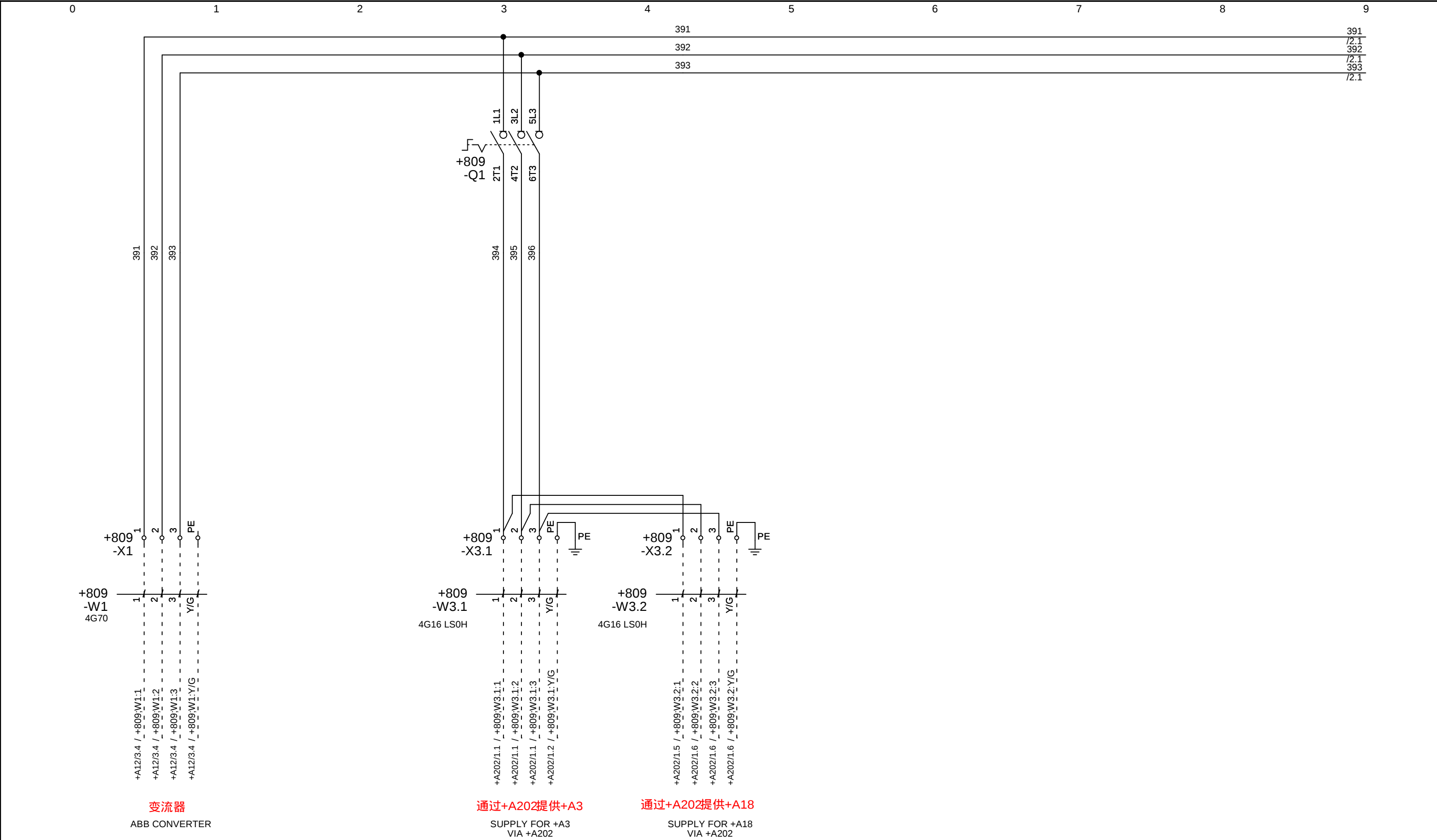
The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.

+A21 DIAGRAM PO

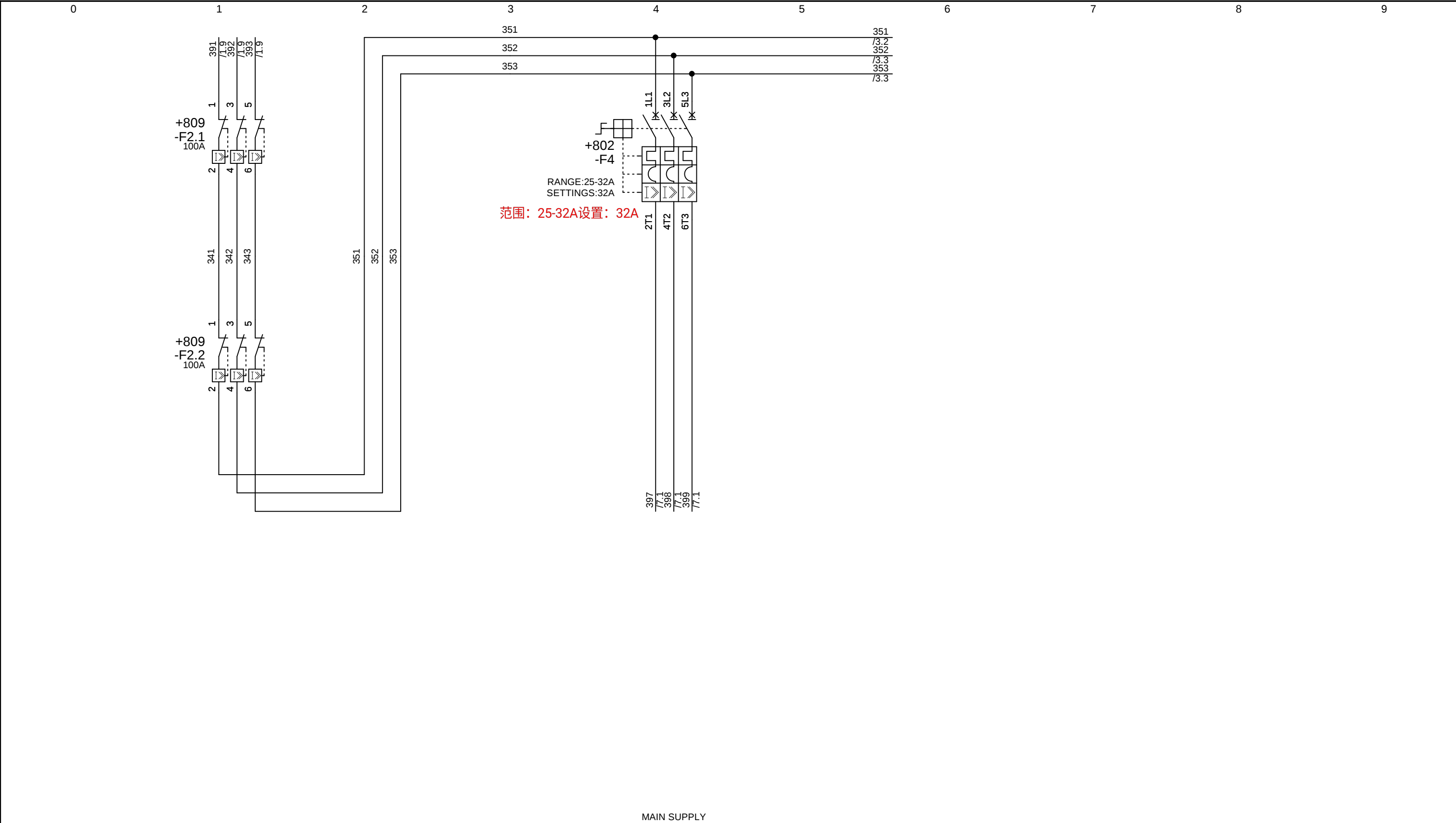
动力电路图



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		2014-05-28			+A21 DIAGRAM PO	+A21	
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		JASOE/mebje	V3040A21002			1040046	
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+A21/1							



 kk-electronic a/s +A21/+A21 D	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content	=V304002
		2014-05-28			809:690V GRID SUPPLY	+A21
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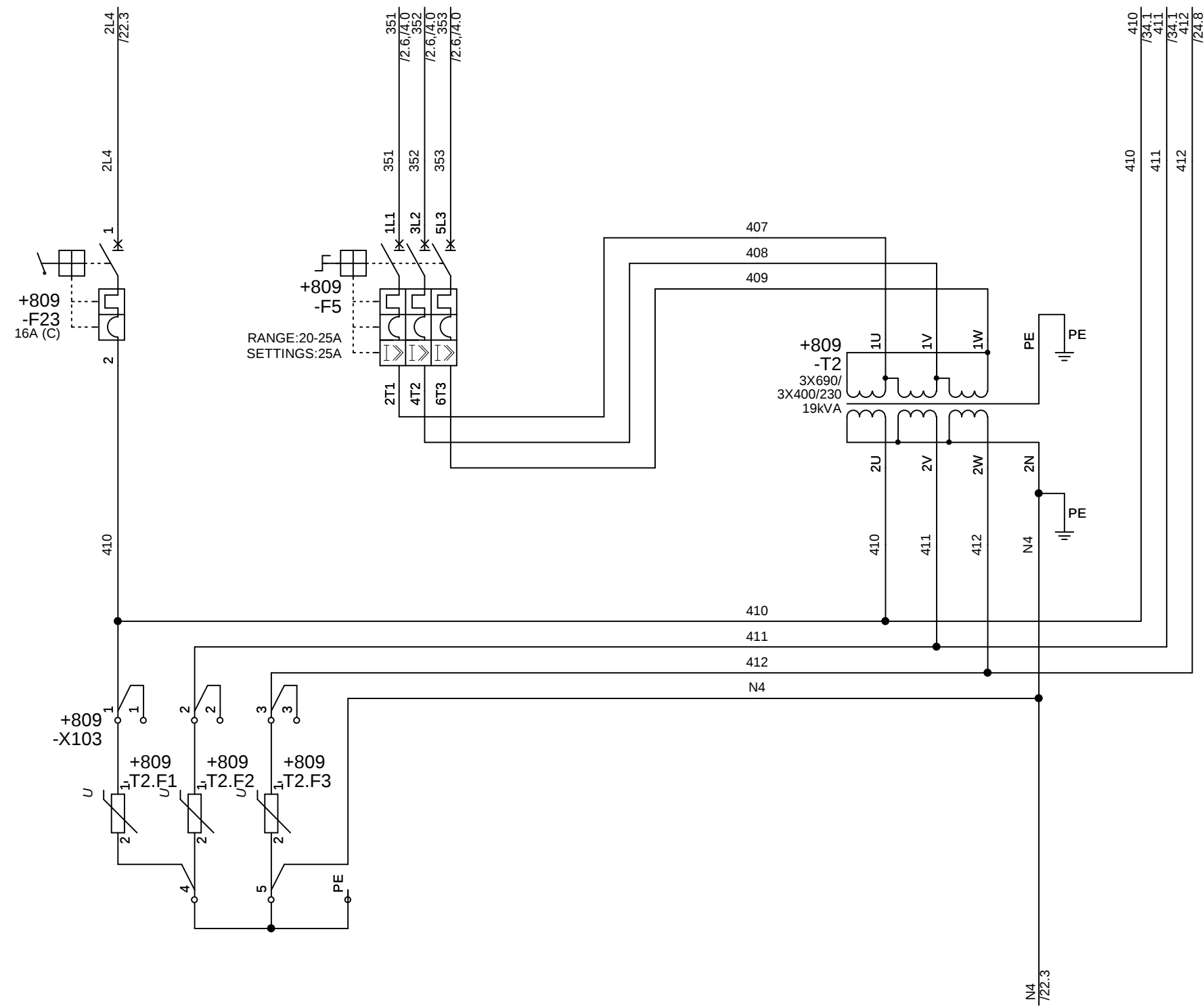


809: 限制器802: 690V主电源

 kk-electronic a/s	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content	=V304002
		2014-05-28			809:LIMITERS	+A21
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	JASOE/mebje	V3040A21002	1040046			

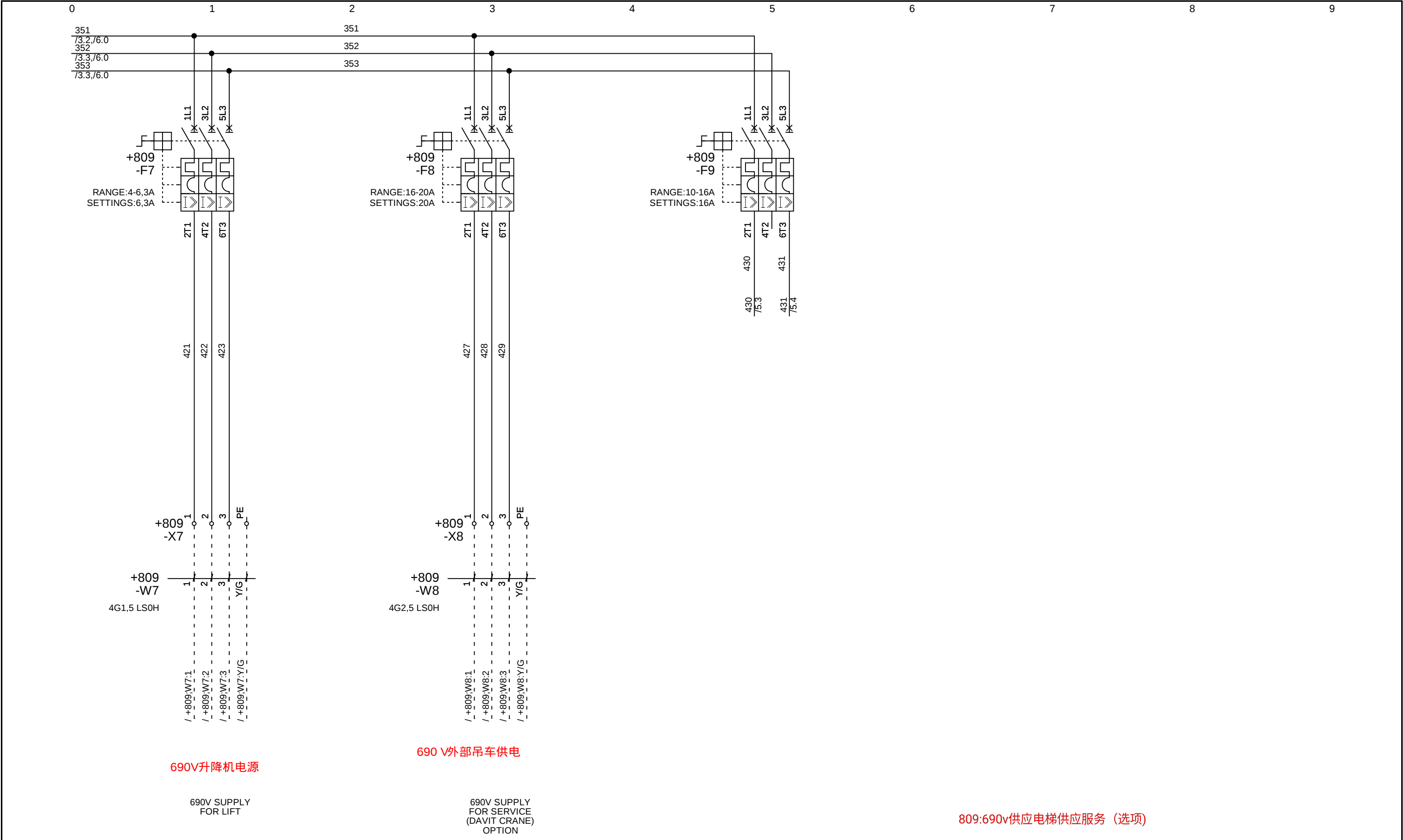
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+A21/1+A21/3

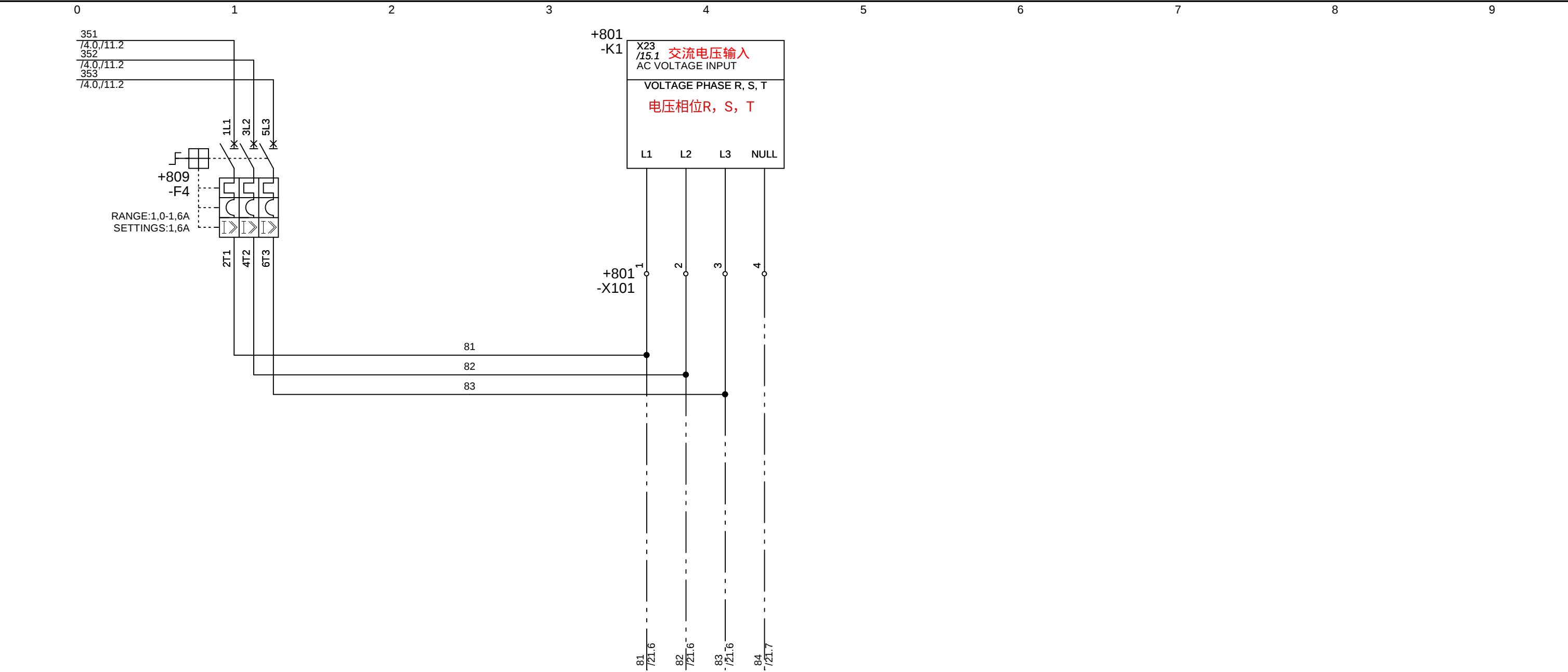


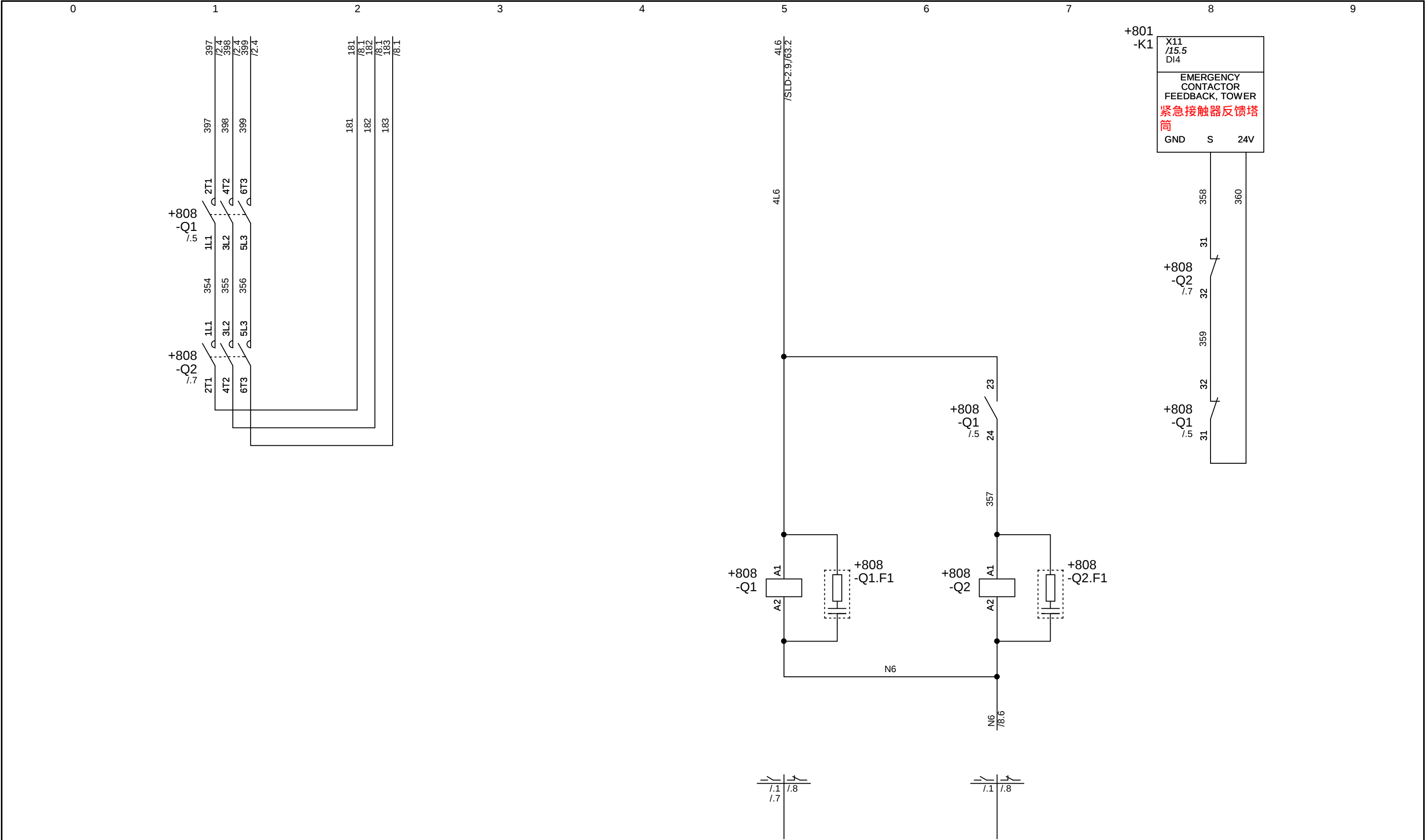
809:230vac主要供应

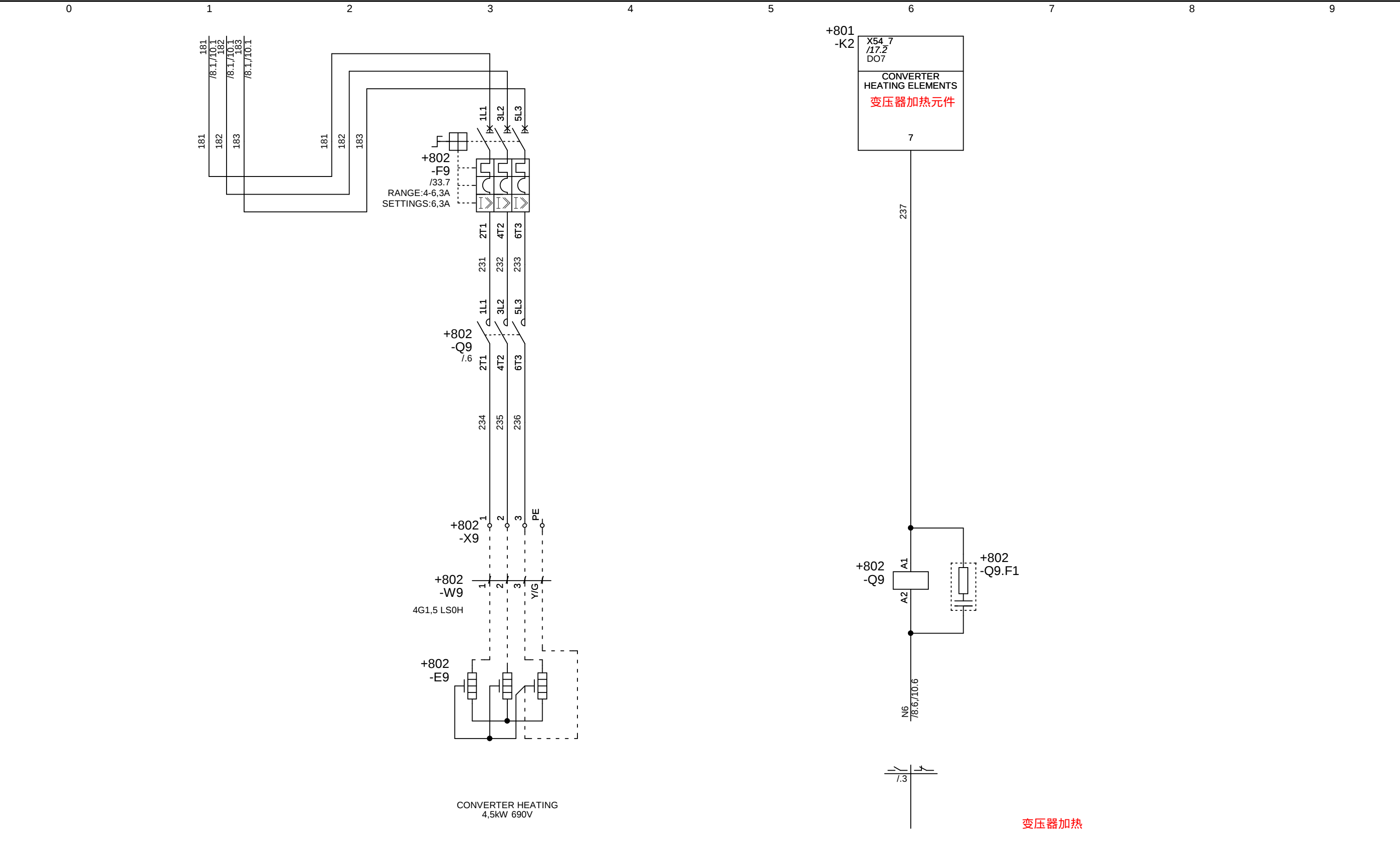
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		2014-05-28			809:230VAC MAIN SUPPLY	+A21	
		kk-responsible	Item-no.			ZCD-no:	3
		JASOE/mebje	V3040A21002			1040046	
+A21/2		The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A21/4	



809:690v供应电梯供应服务（选项）



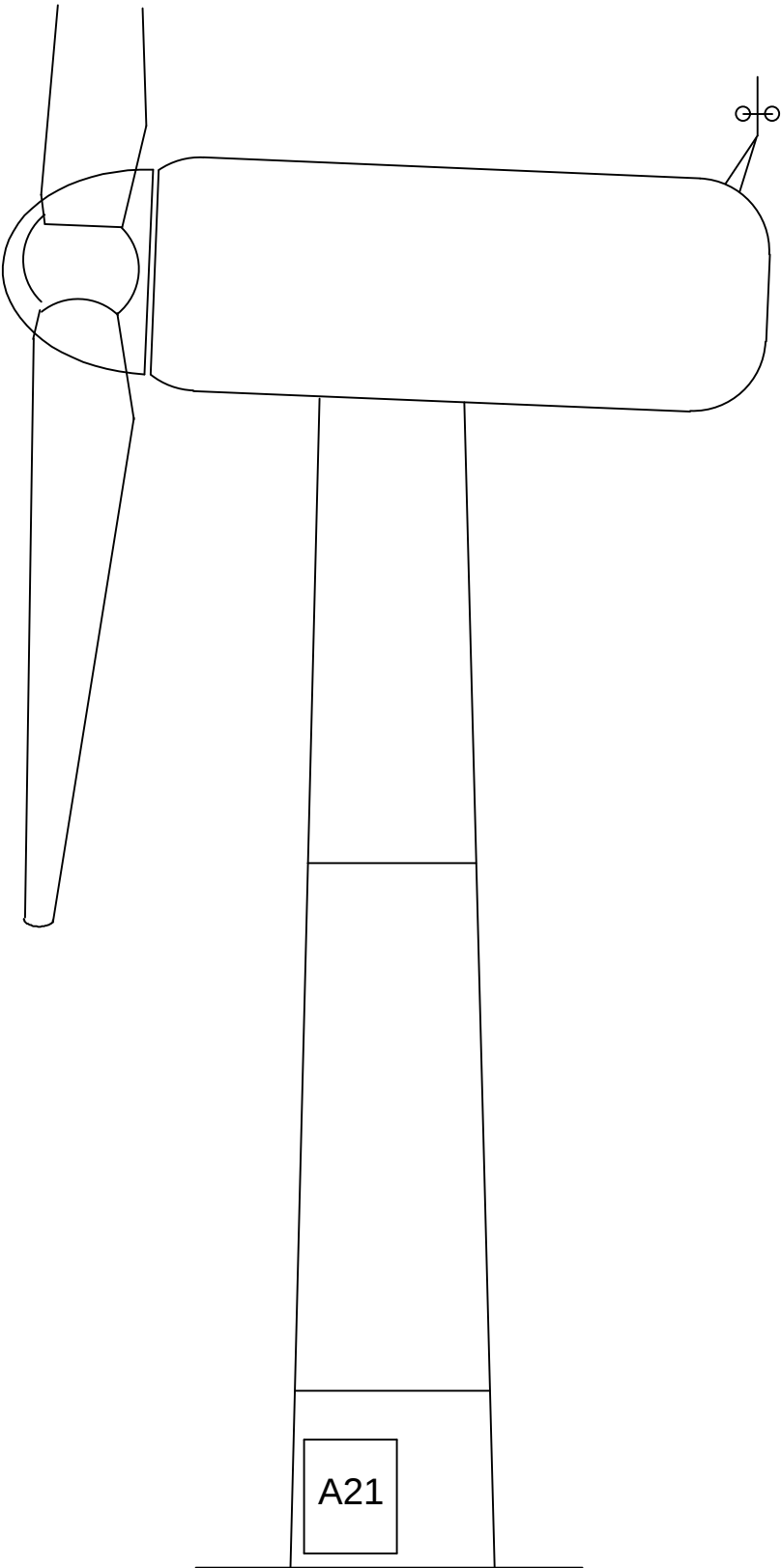




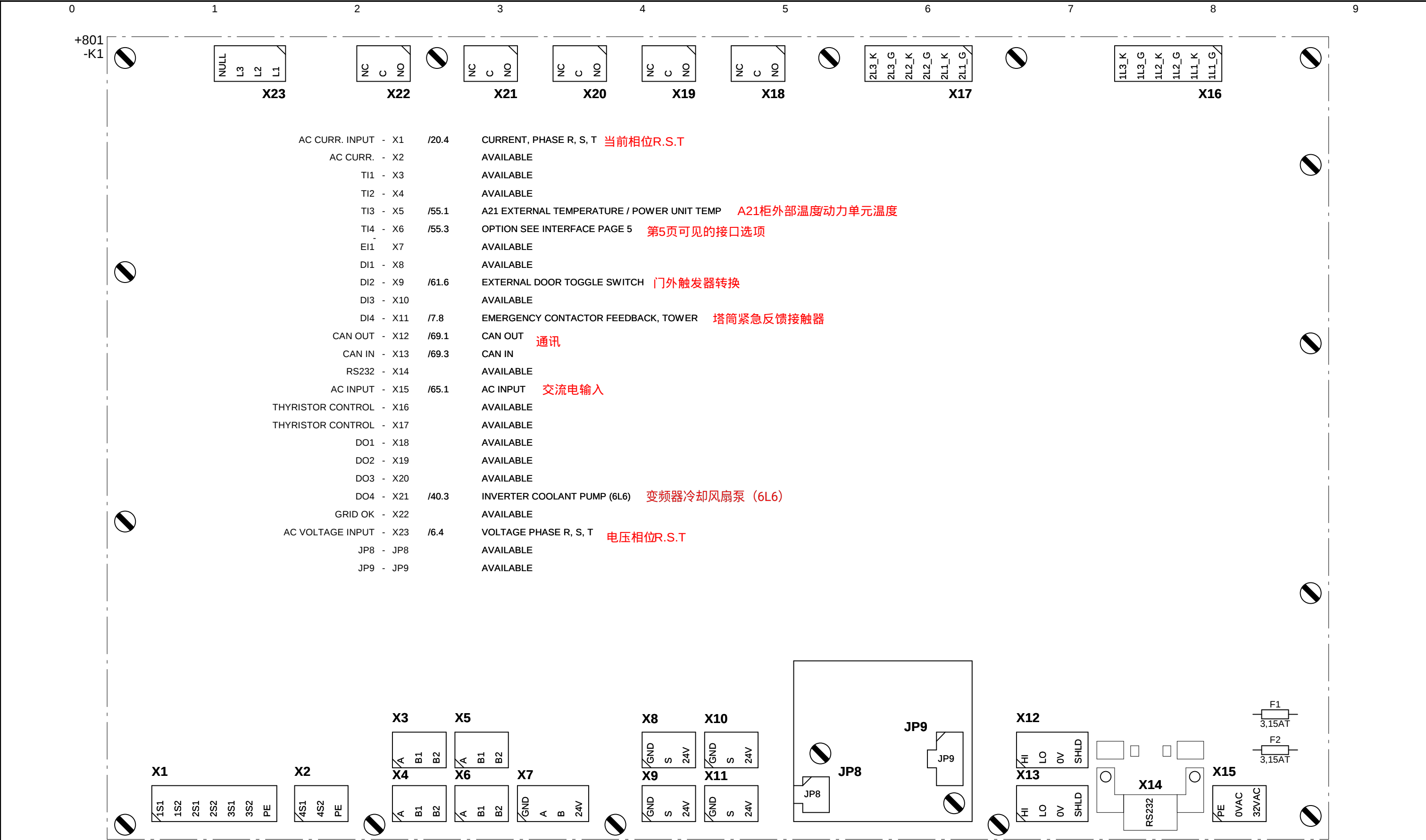
 kk-electronic a/s +A21/8	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content	=V304002	
		2014-05-28			802:CONVERTER HEATING	+A21	
		kk-responsible	Item-no.			ZCD-no:	9
		JASOE/mebje	V3040A21002			1040046	
The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.							
+A21/10							

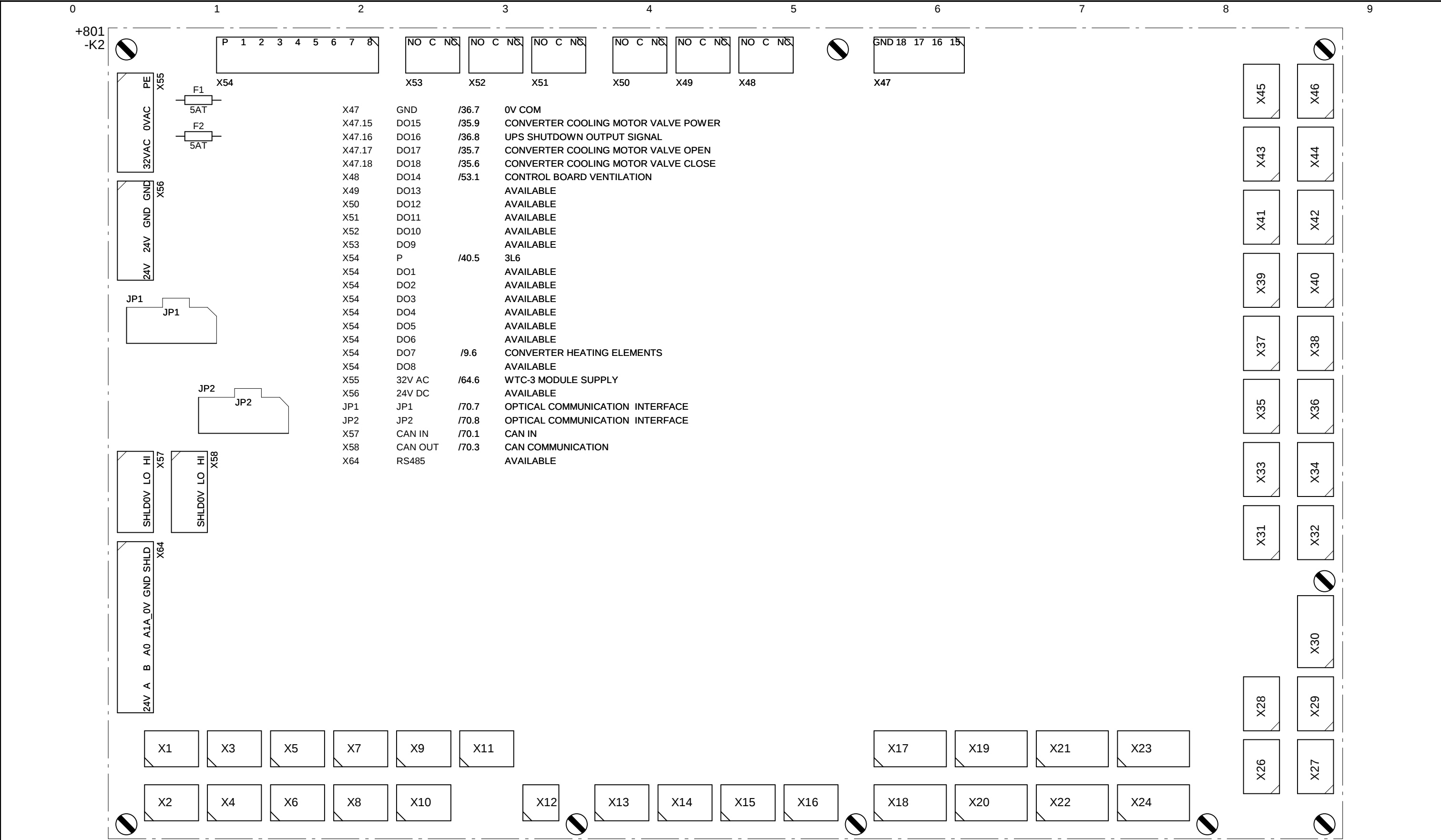
+A21 DIAGRAM CO

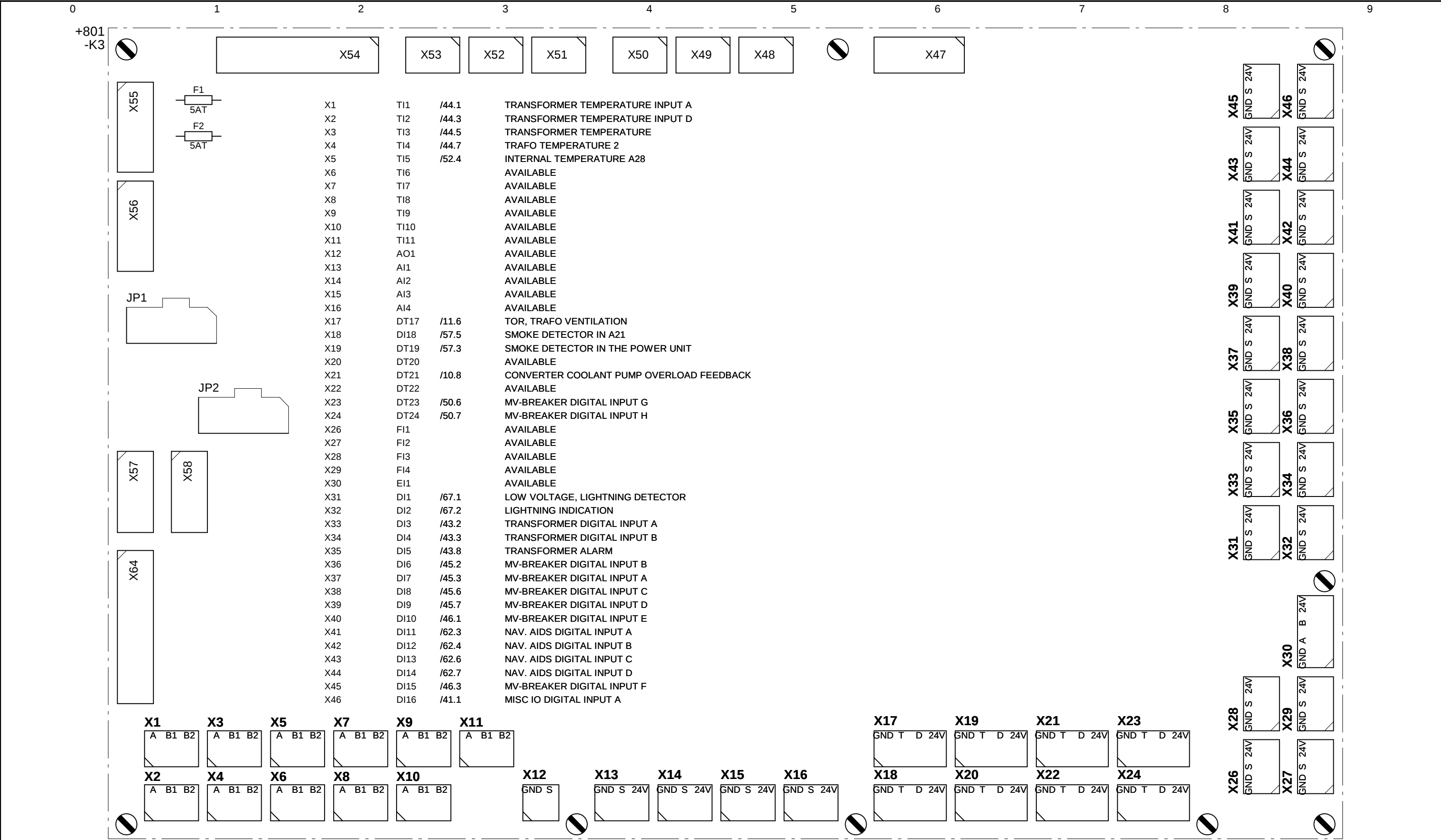
控制原理图

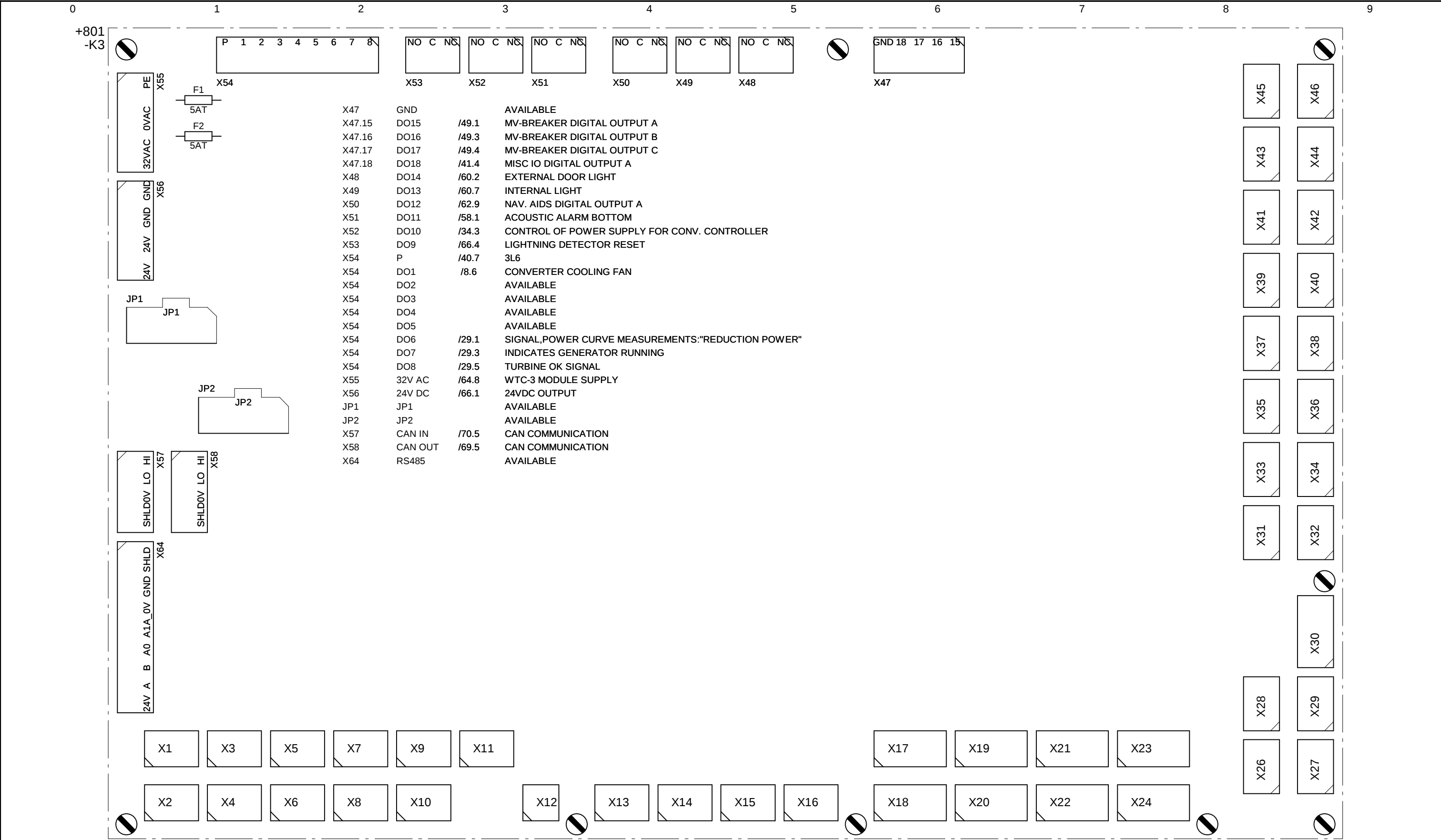


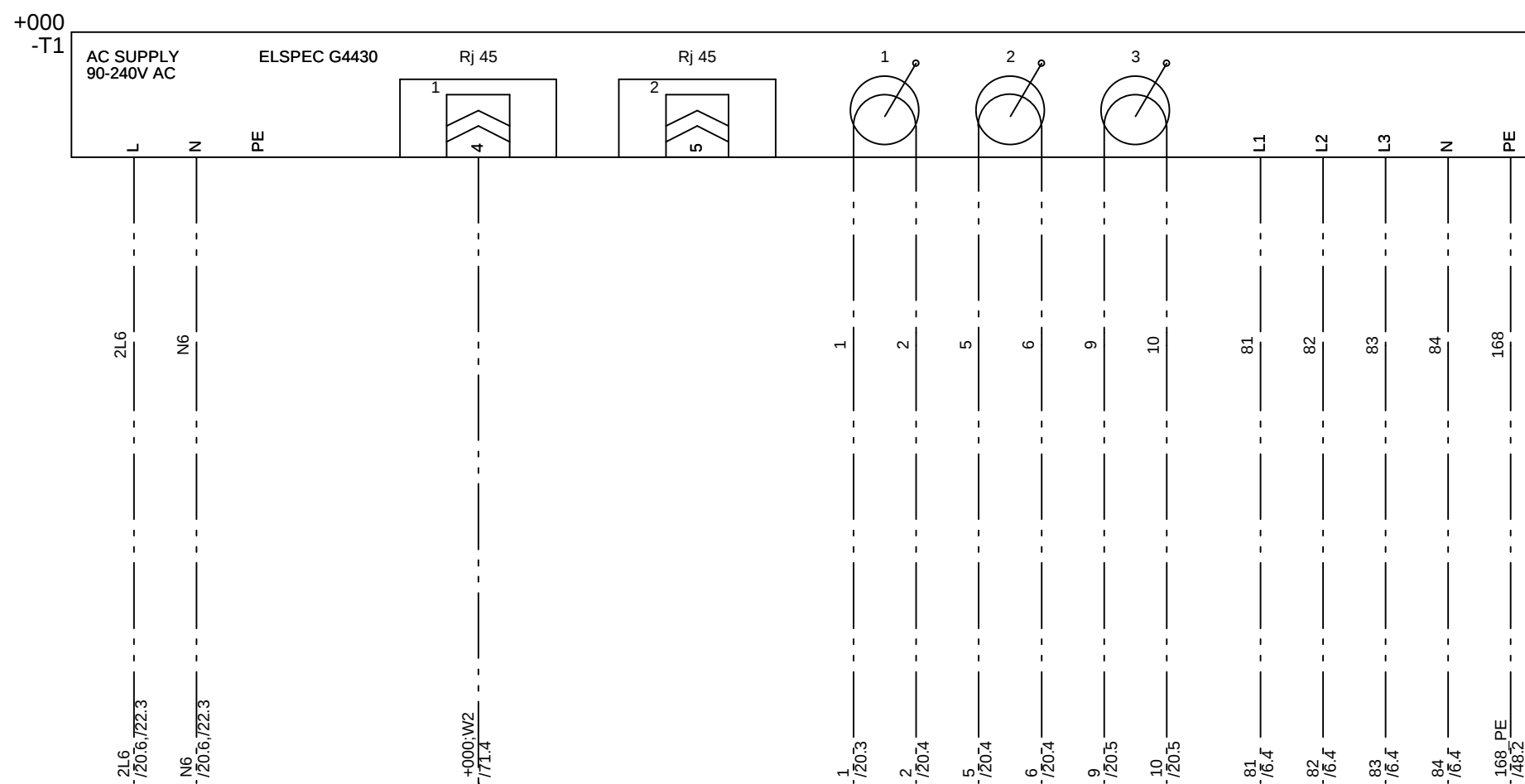
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		2014-05-28			+A21 DIAGRAM CO	+A21	
		kk-responsible	Item-no.			ZCD-no:	+A21 D
		JASOE/mebje	V3040A21002			1040046	
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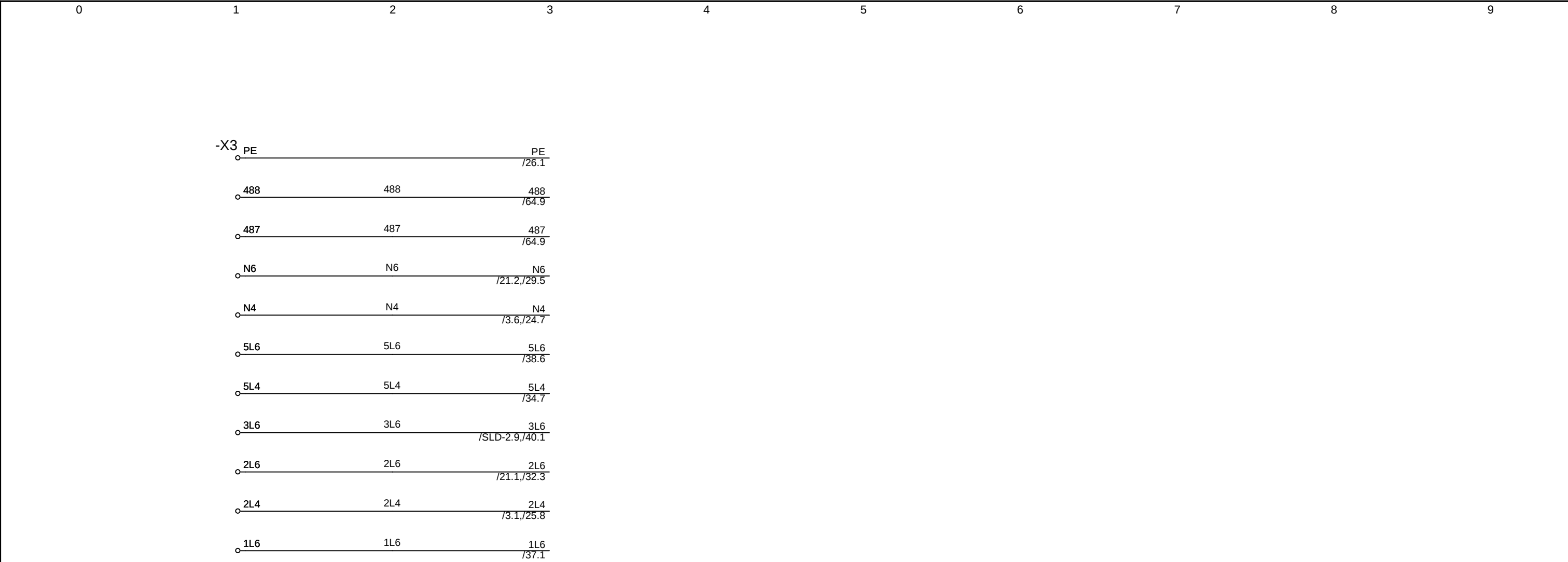


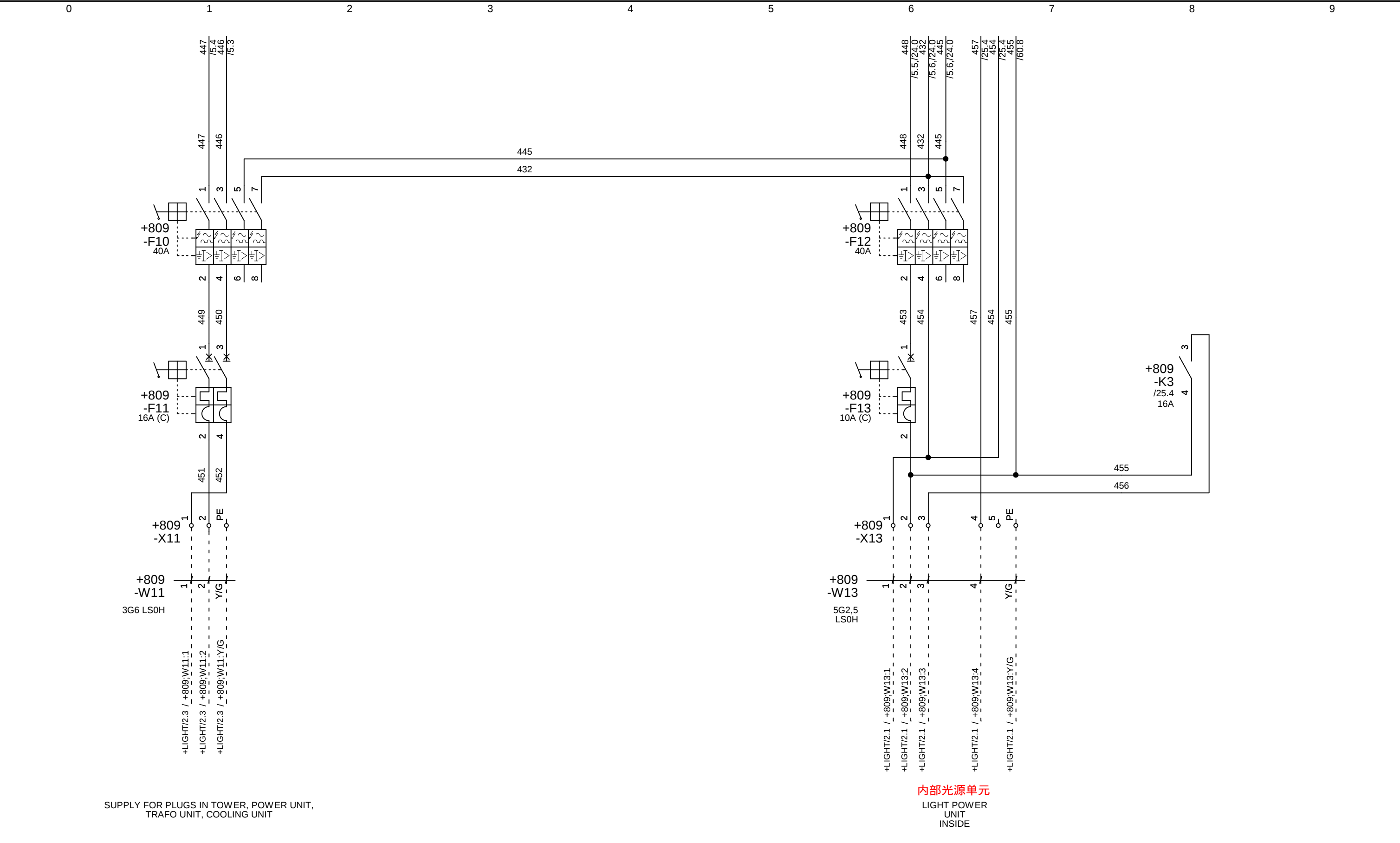








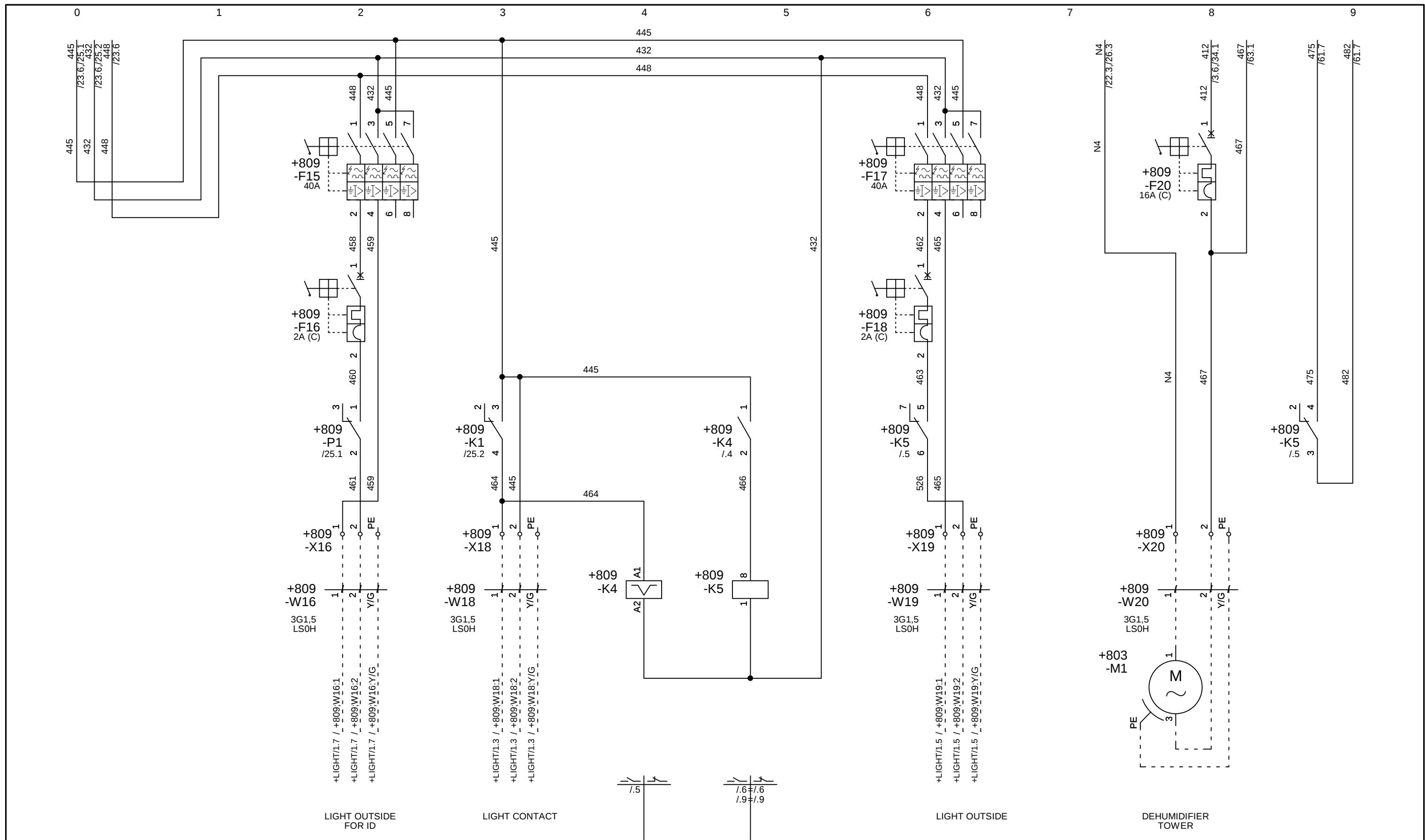




 kk-electronic a/s +A21/22	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content	=V304002
	kk-responsible	2014-05-28			809:PLUGS AND LIGHT INSIDE POWER UNIT	+A21
	JASOE/mebje	Item-no.	ZCD-no:			23
		V3040A21002	1040046			

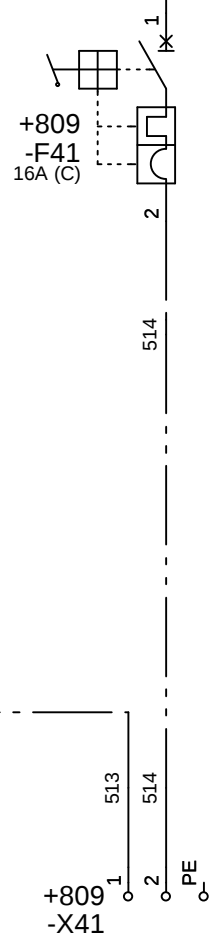
The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.

+A21/24

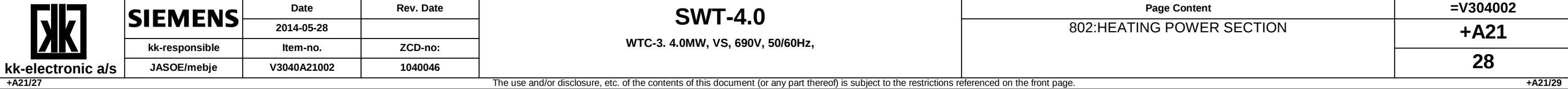


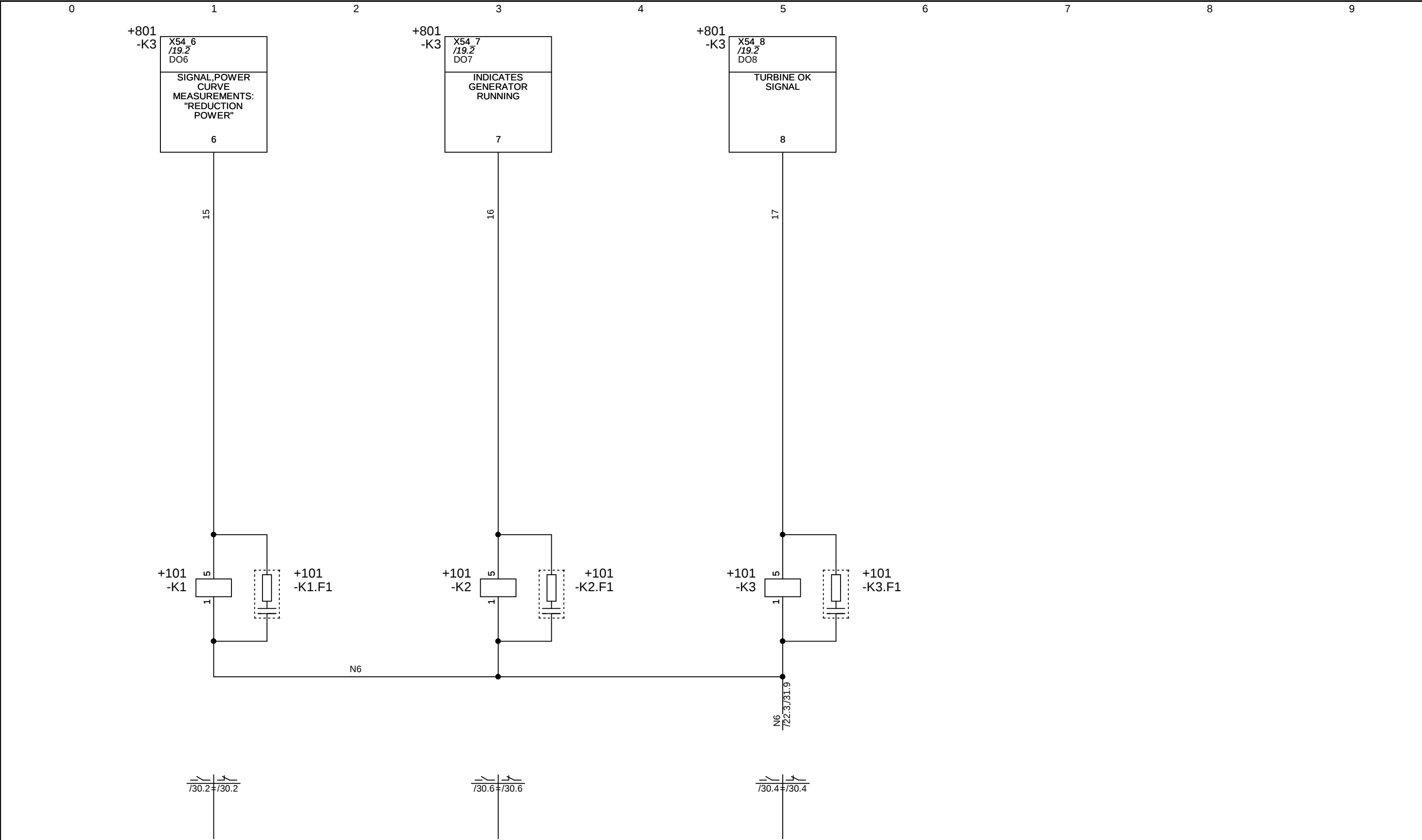
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	kk-responsible		2014-05-28			809:LIGHT OUTSIDE/DEHUMIDIFIER		+A21
	JASOE/mebje		Item-no.	ZCD-no:				24
			V3040A21002	1040046				

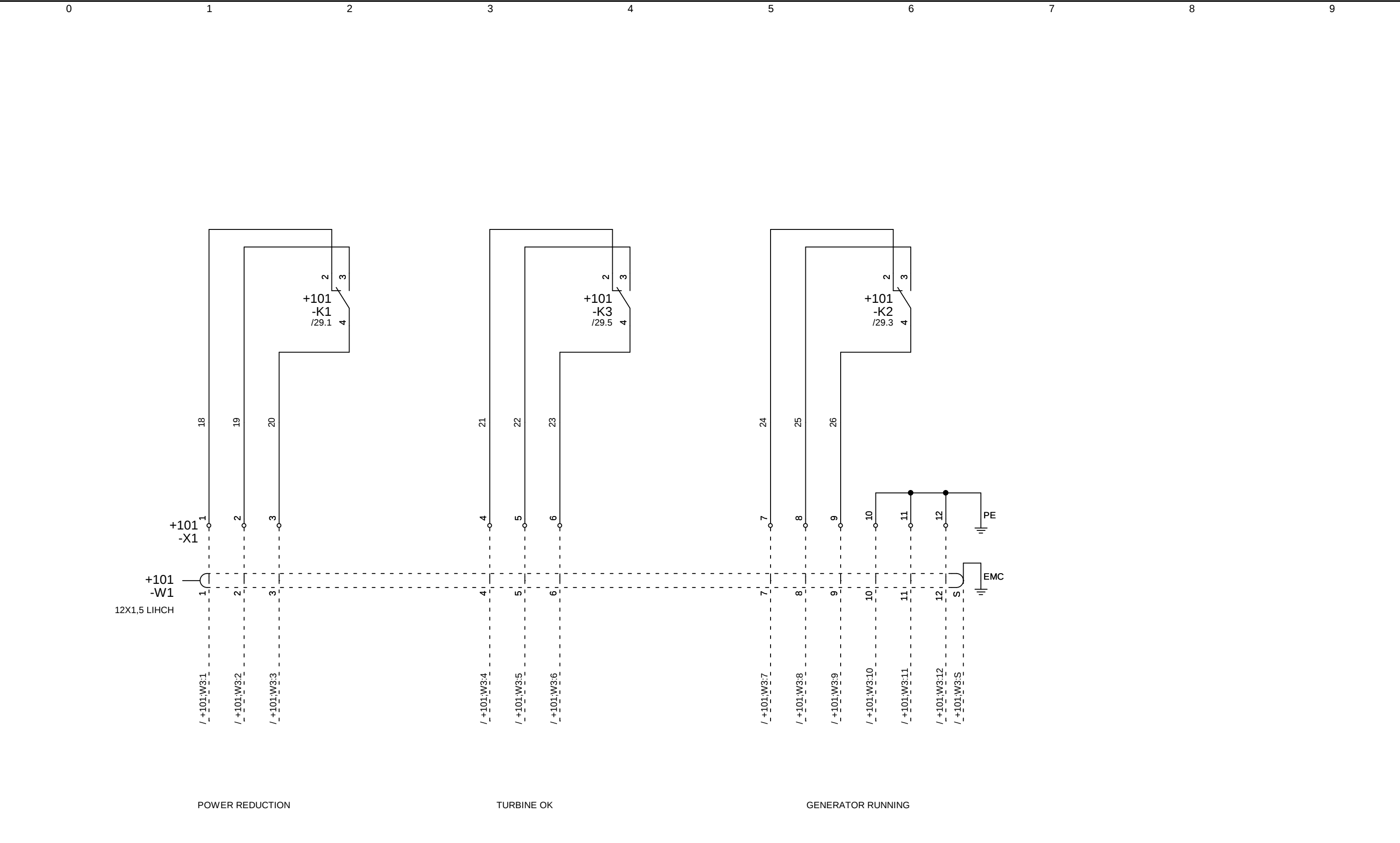
The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.



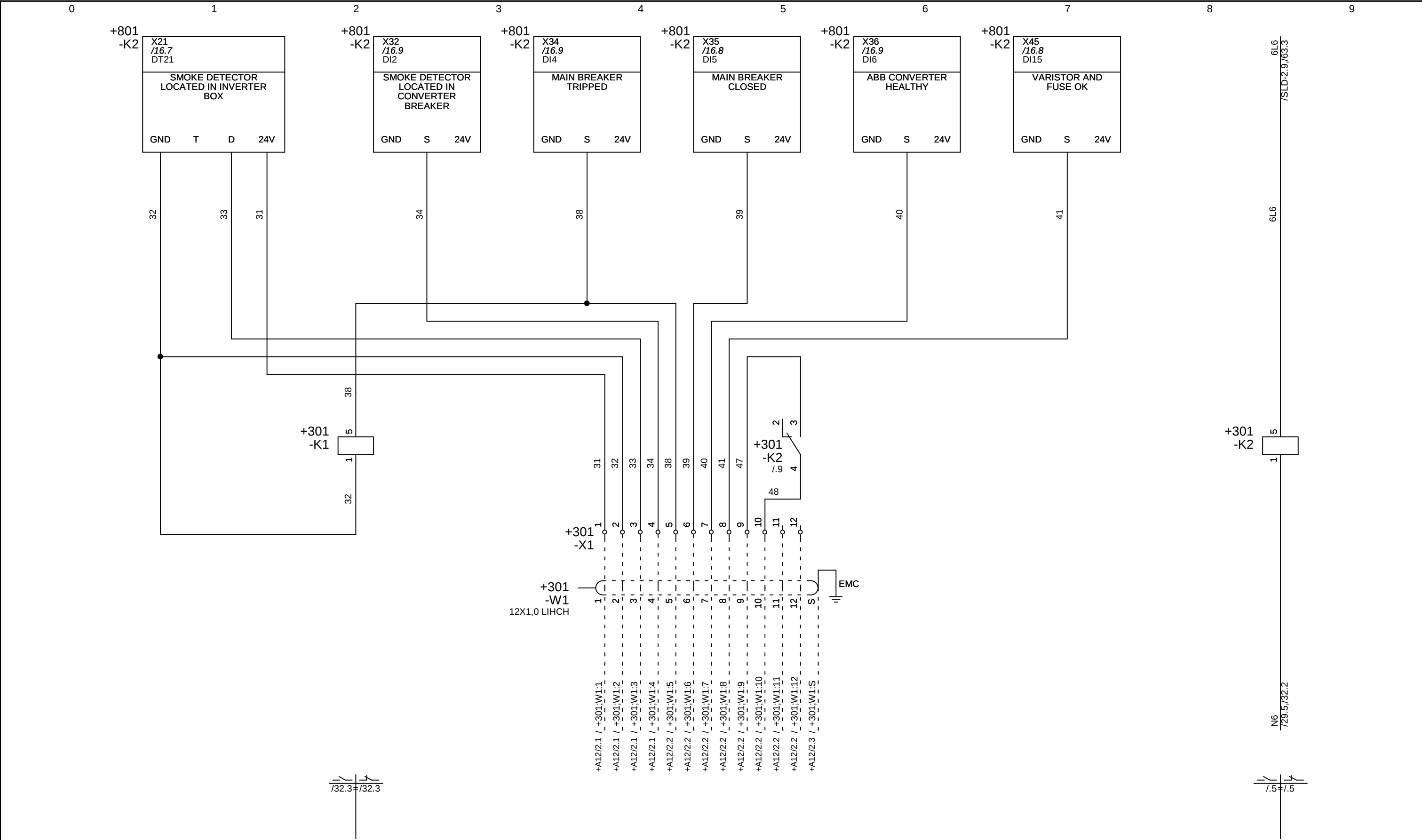
WTC-3. 4.0MW, VS, 690V, 50/60Hz,

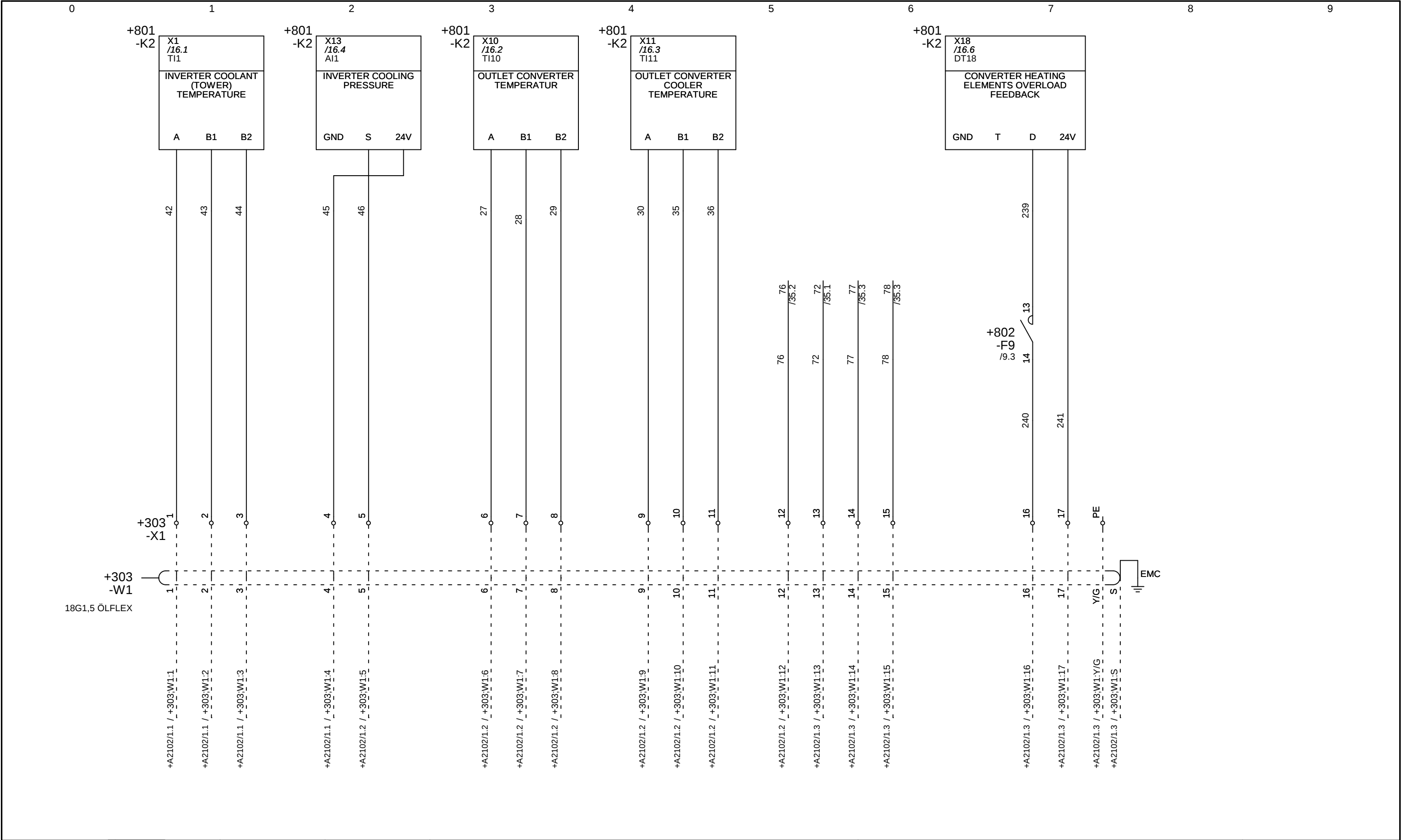




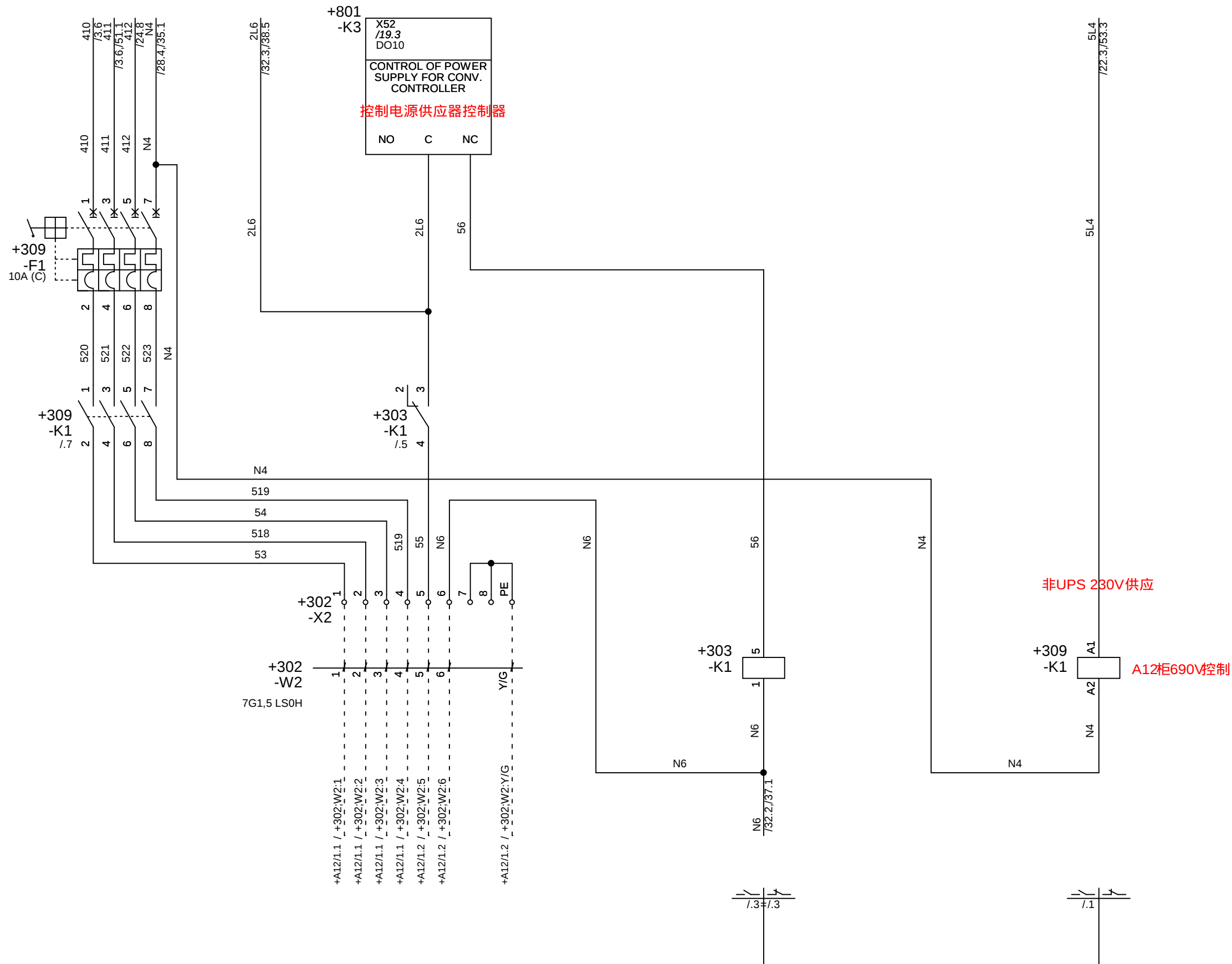


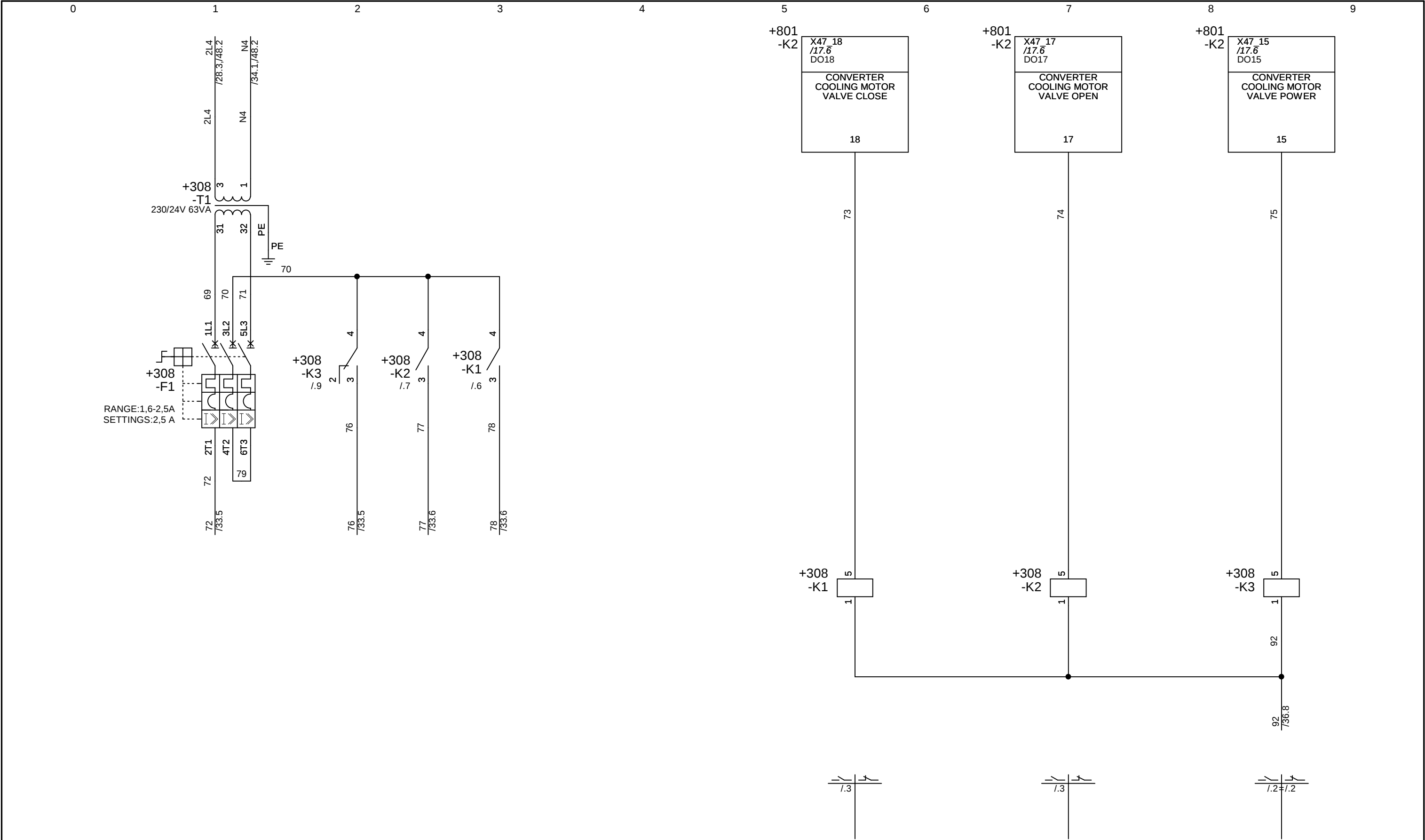
 kk-electronic a/s +A21/29	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content	=V304002
		2014-05-28			101:POWER REDUCTION, GEN. RUNNING, TURBINE OK	+A21
		Item-no.	ZCD-no:			30
		JASOE/mebje	1040046			+A21/31

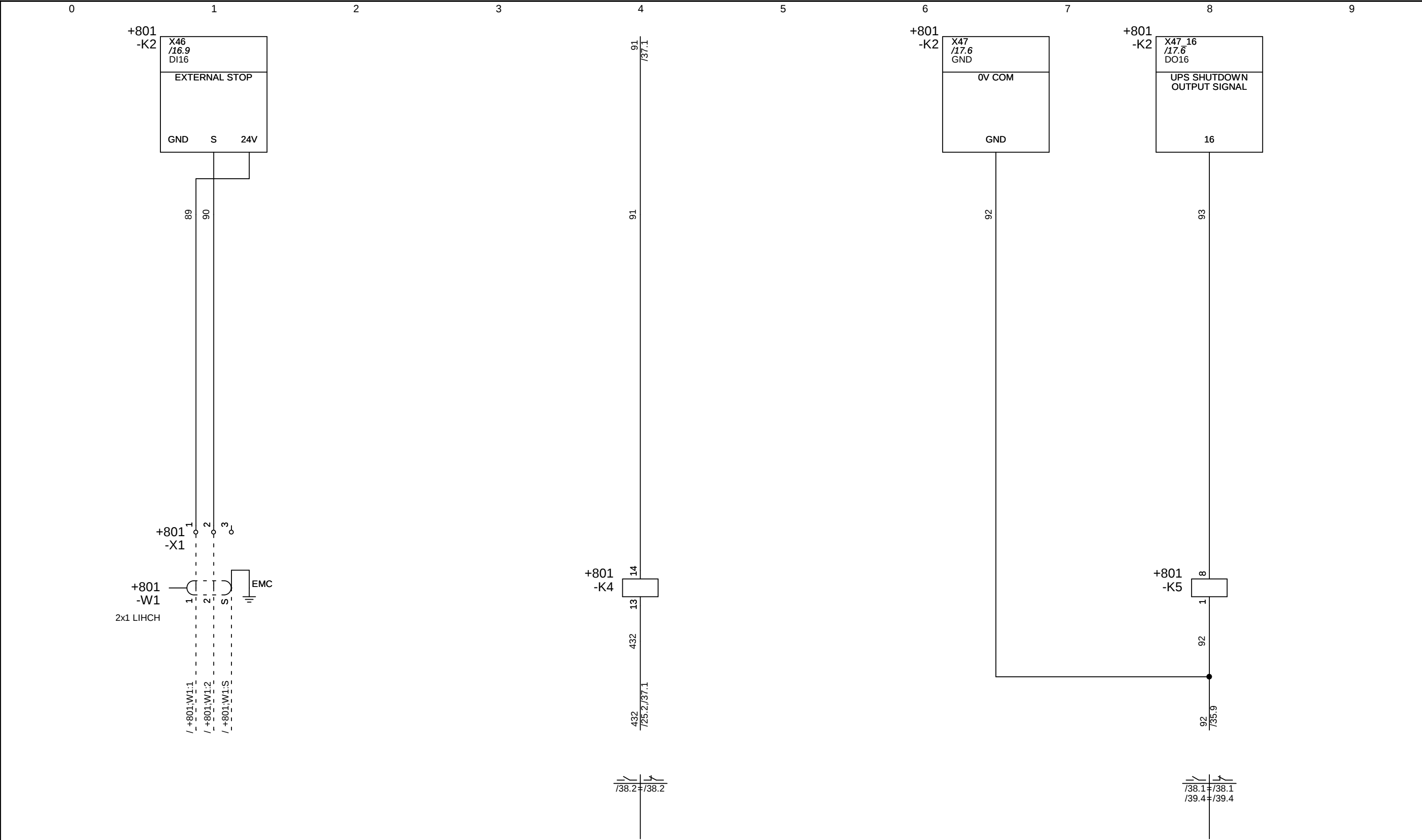


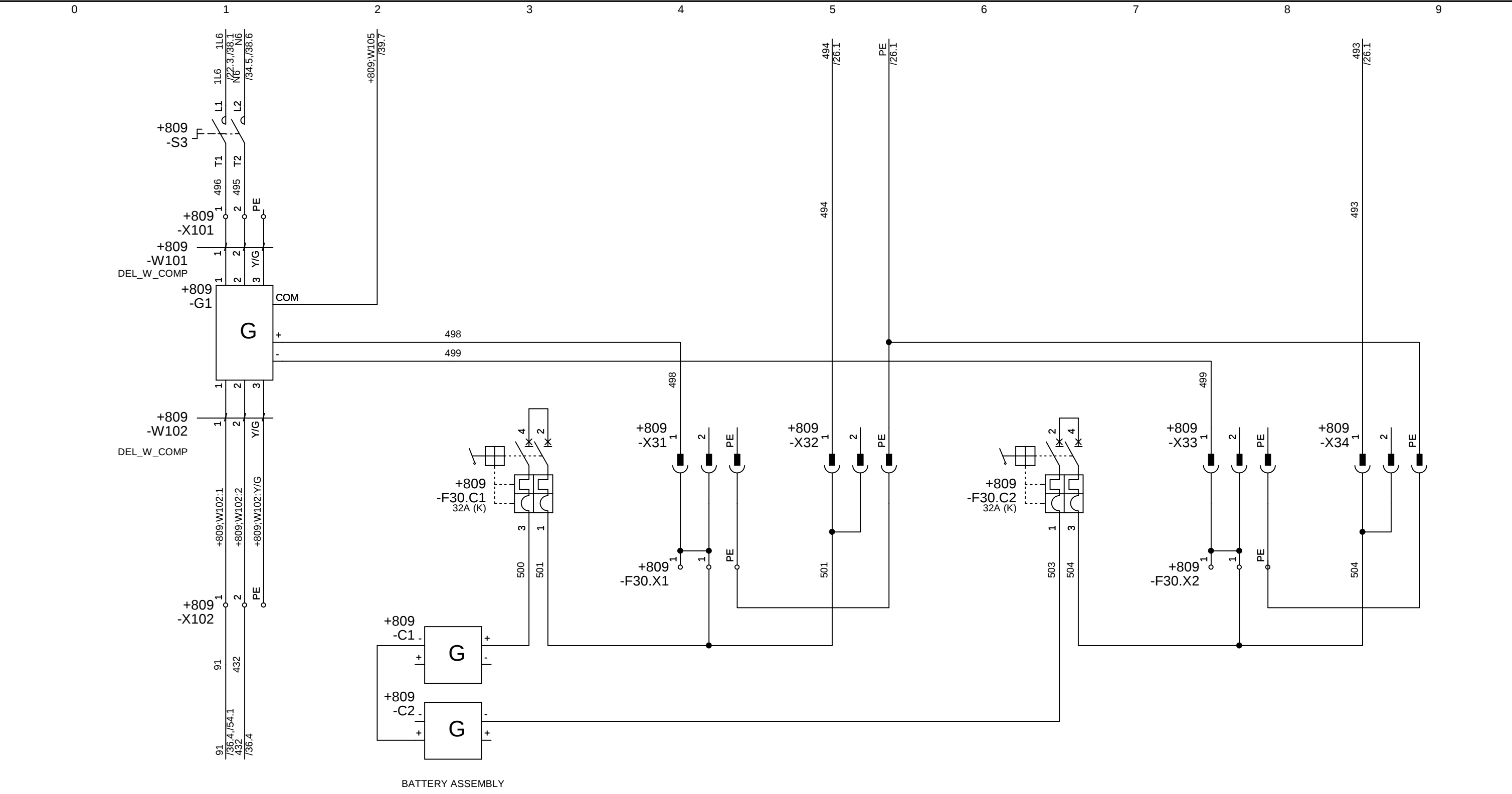


 kk-electronic a/s +A21/32	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content		=V304002	
		2014-05-28			303:INVERTER COOLANT CONVERTER TEMPERATURE		+A21	
		Item-no.	ZCD-no:		802:CONVERTER HEATING FEEDBACK		33	
		JASOE/mebje	V3040A21002		1040046			
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								+A21/34

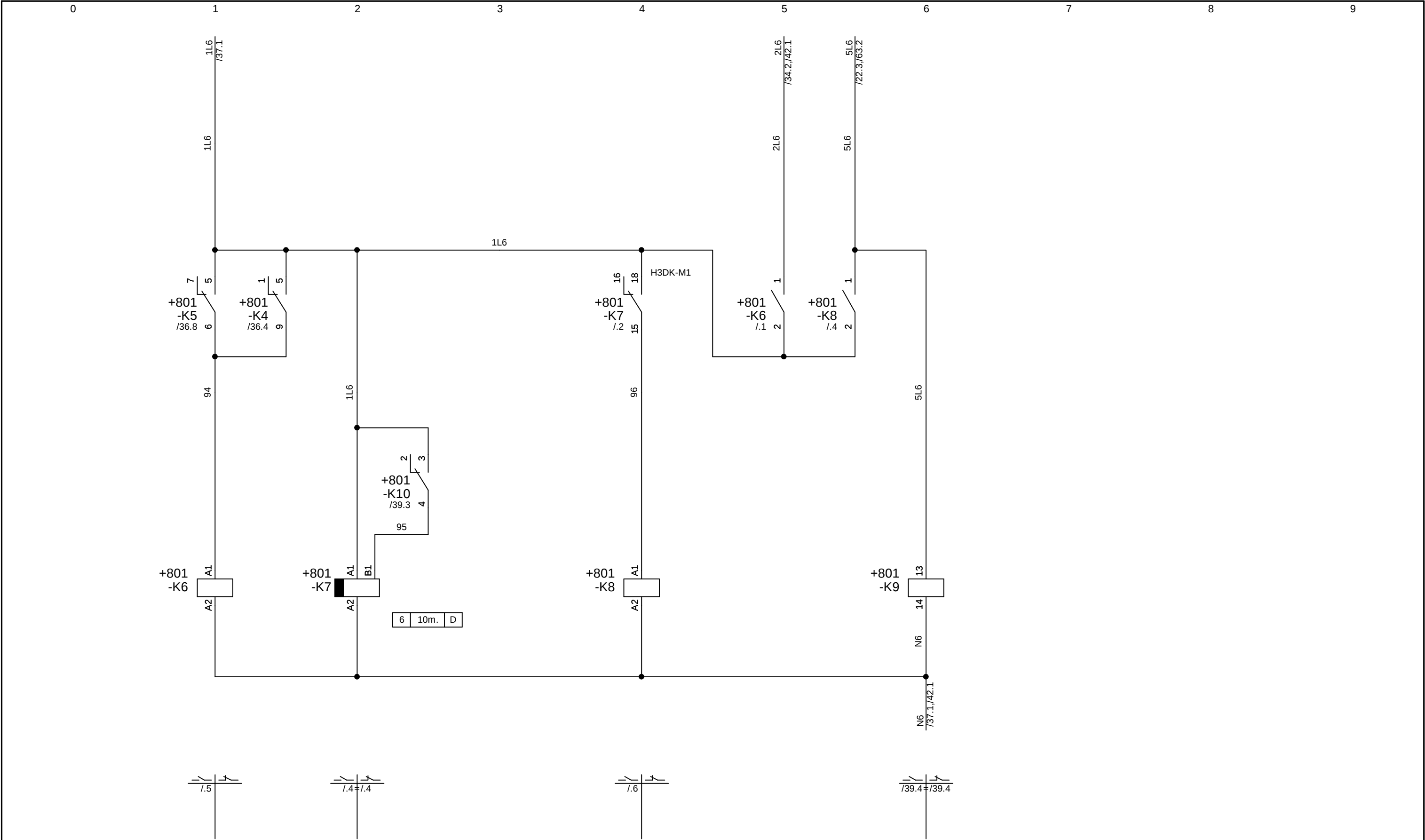


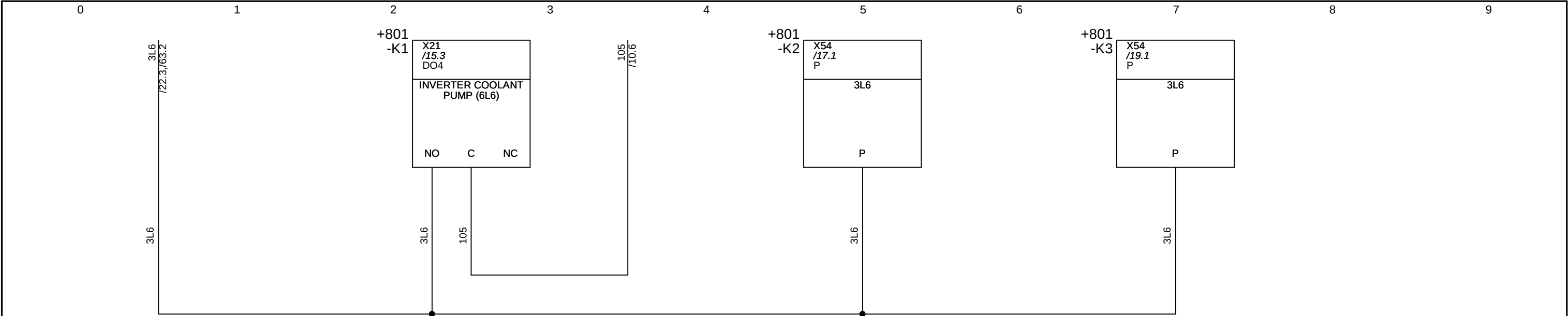


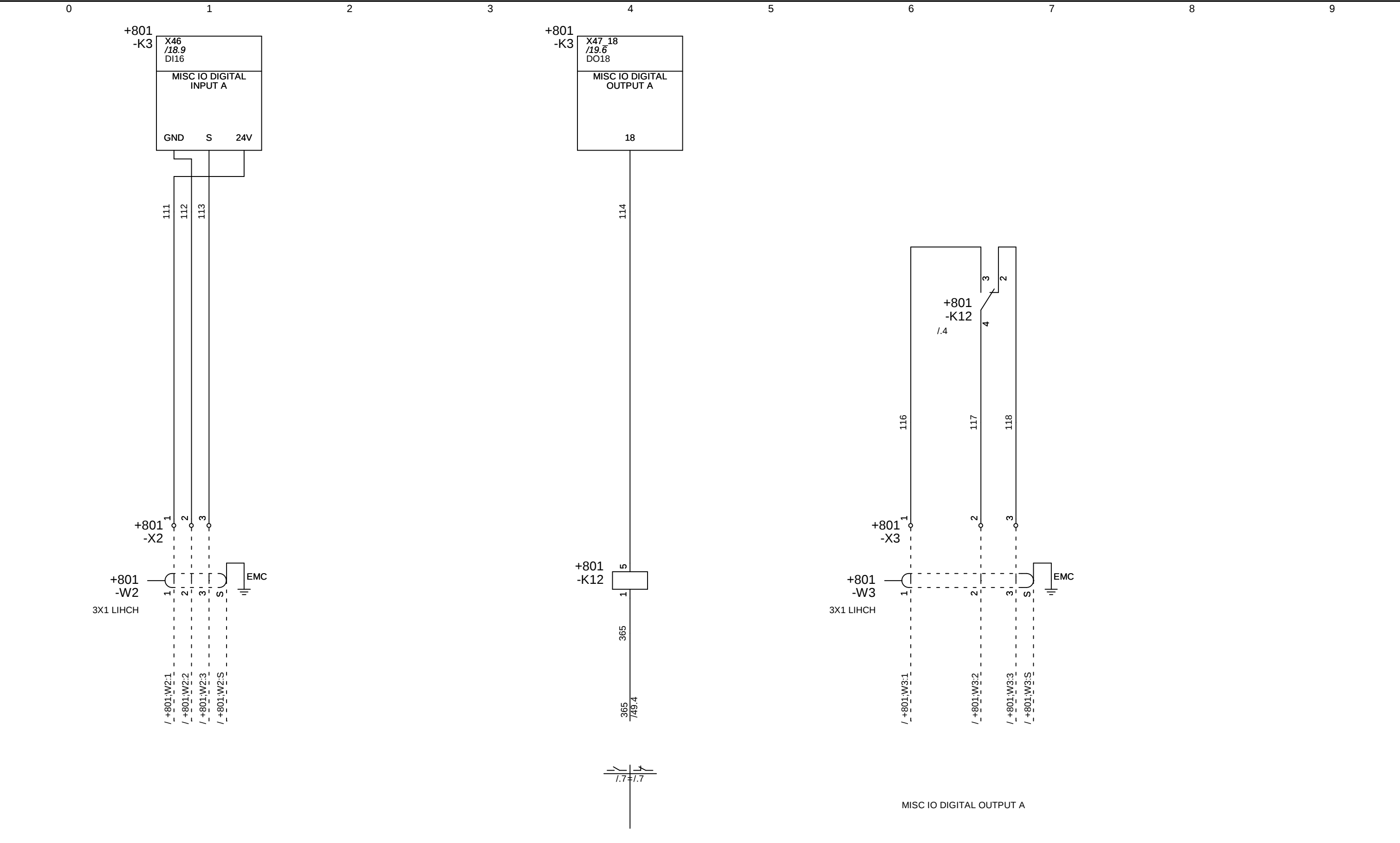




 kk-electronic a/s +A21/36	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content	=V304002
		2014-05-28			809:UPS SUPPLY	+A21
		kk-responsible	Item-no.		ZCD-no:	37
		JASOE/mebje	V3040A21002		1040046	
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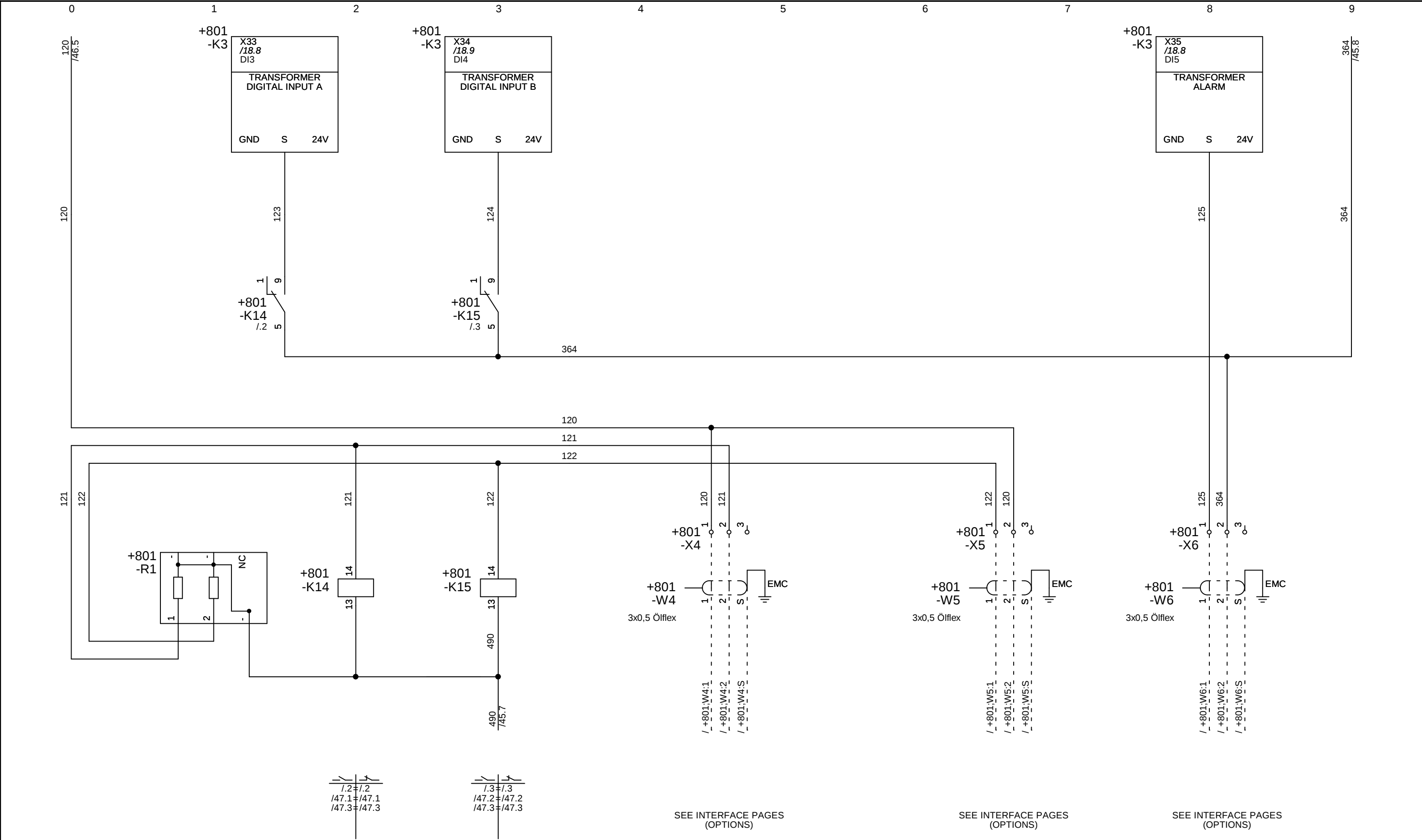


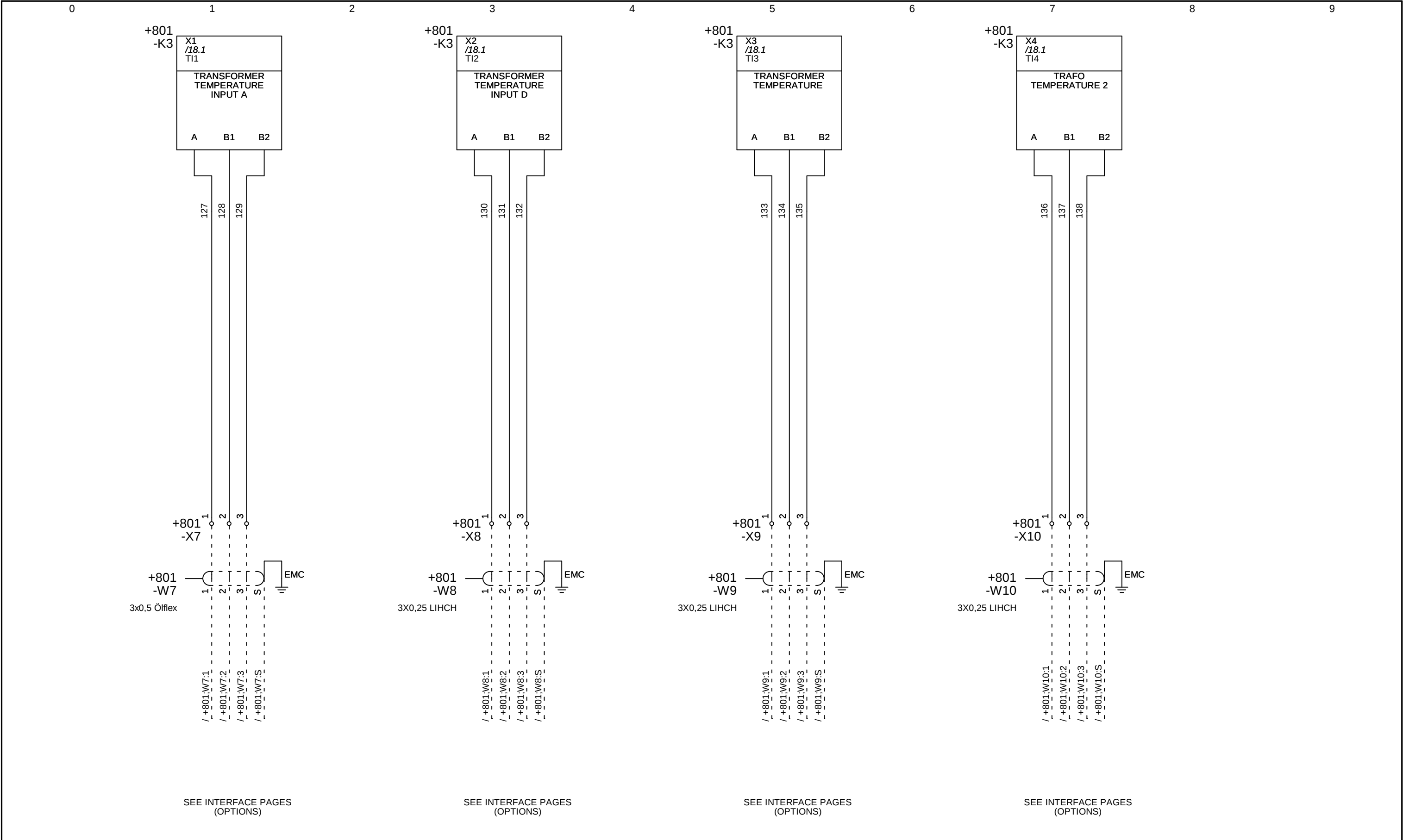


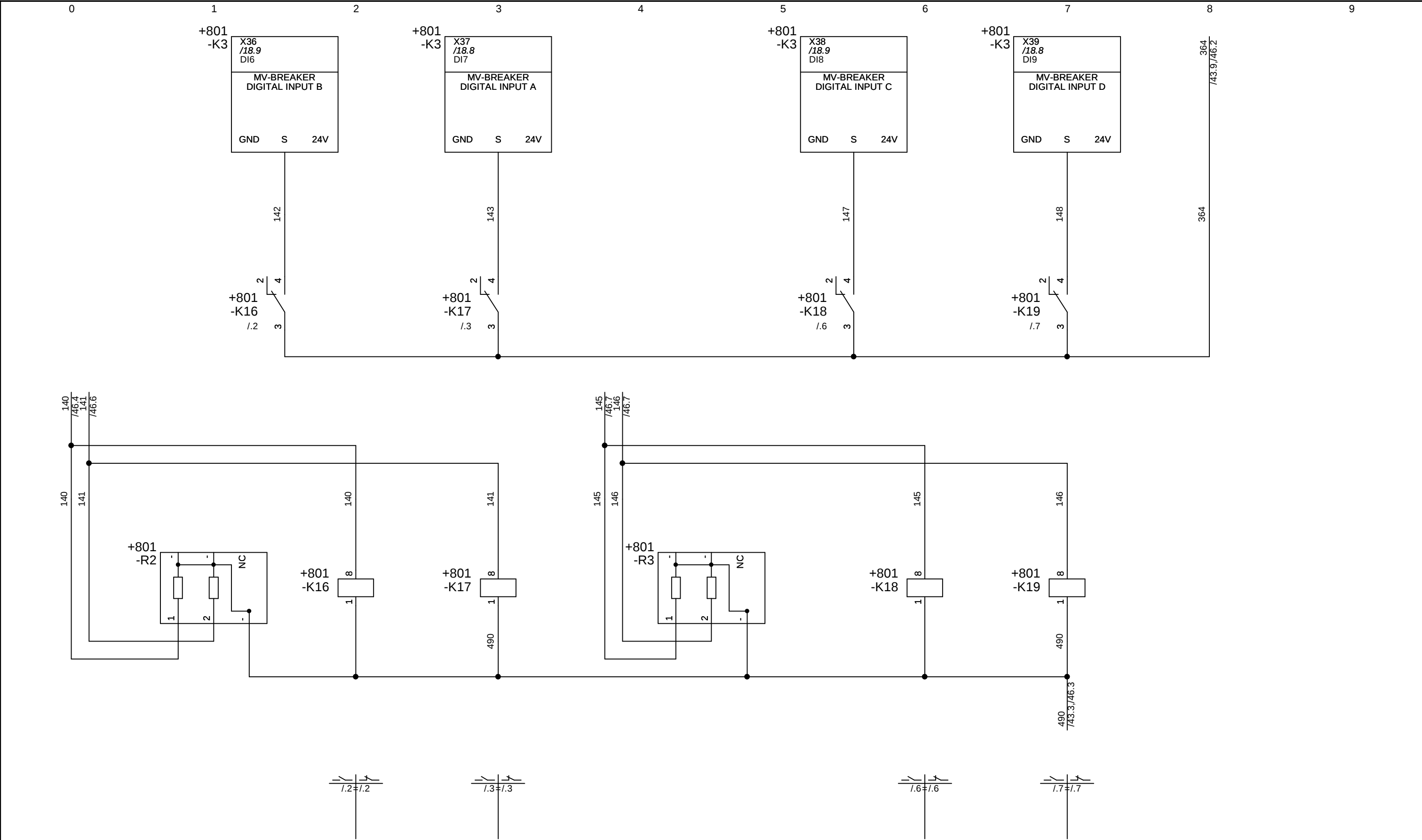


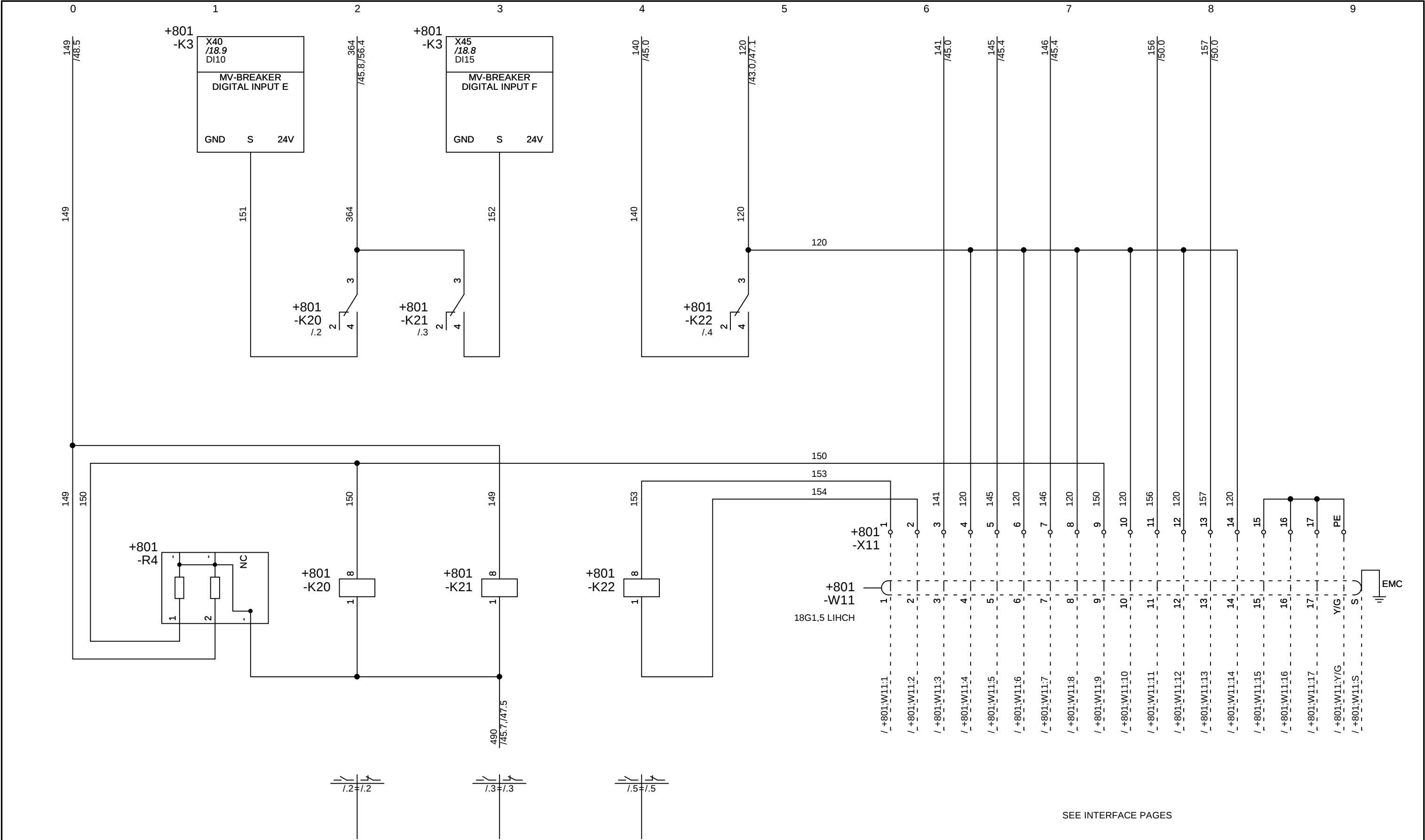
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		2014-05-28			801:MISC IO DIGITAL INPUT AND OUTPUT A		+A21	
		kk-responsible	Item-no.				ZCD-no:	41
		JASOE/mebje	V3040A21002				1040046	
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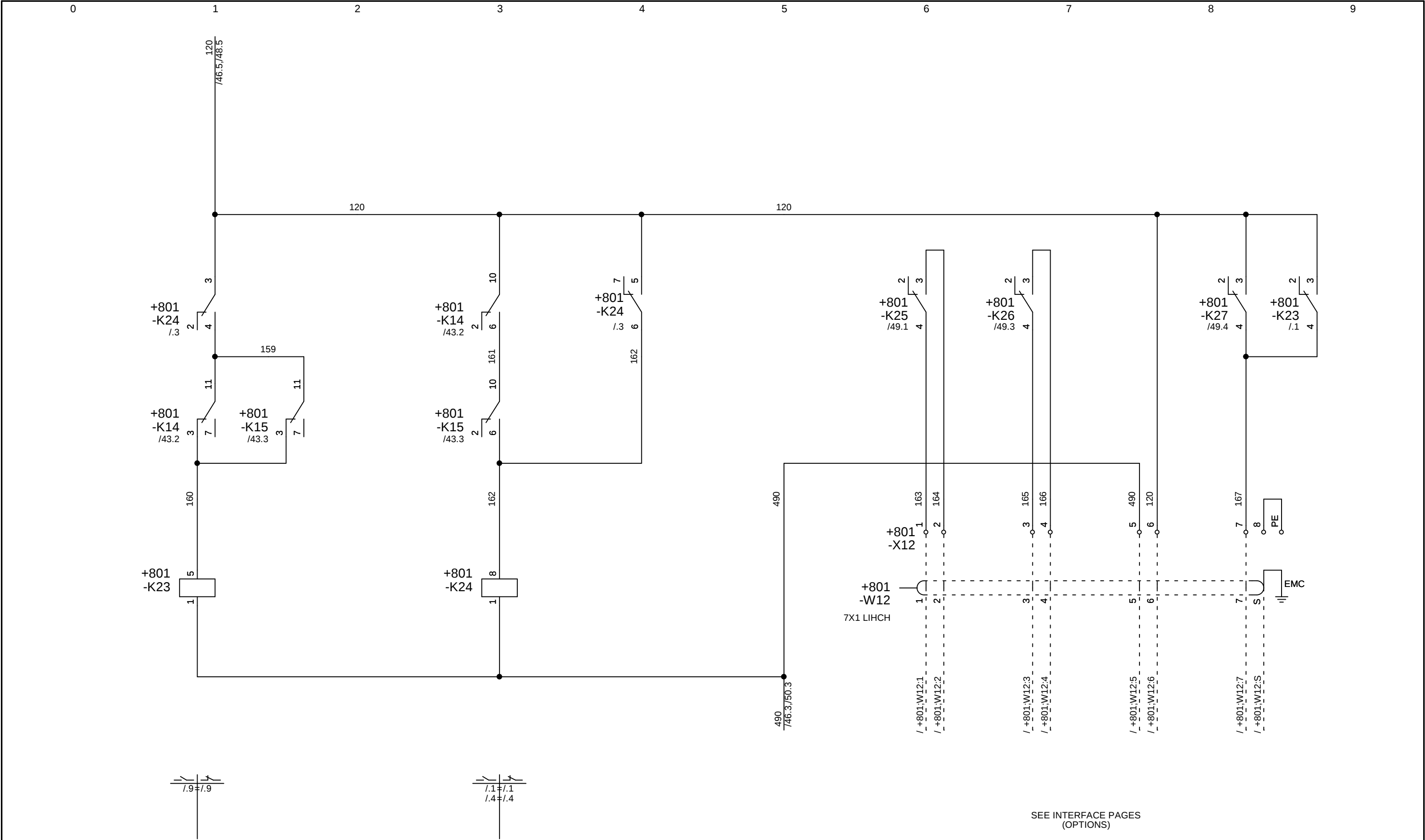






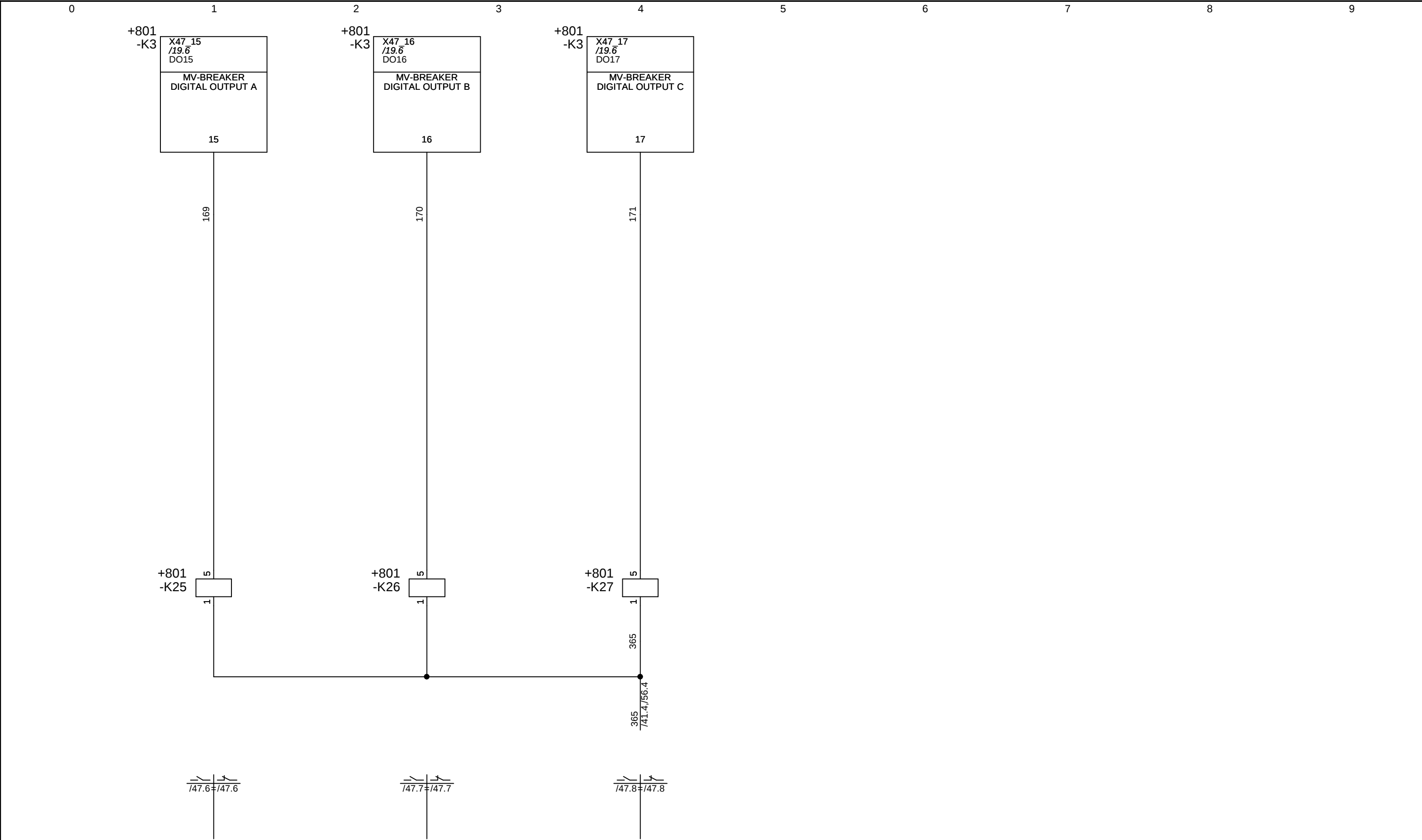


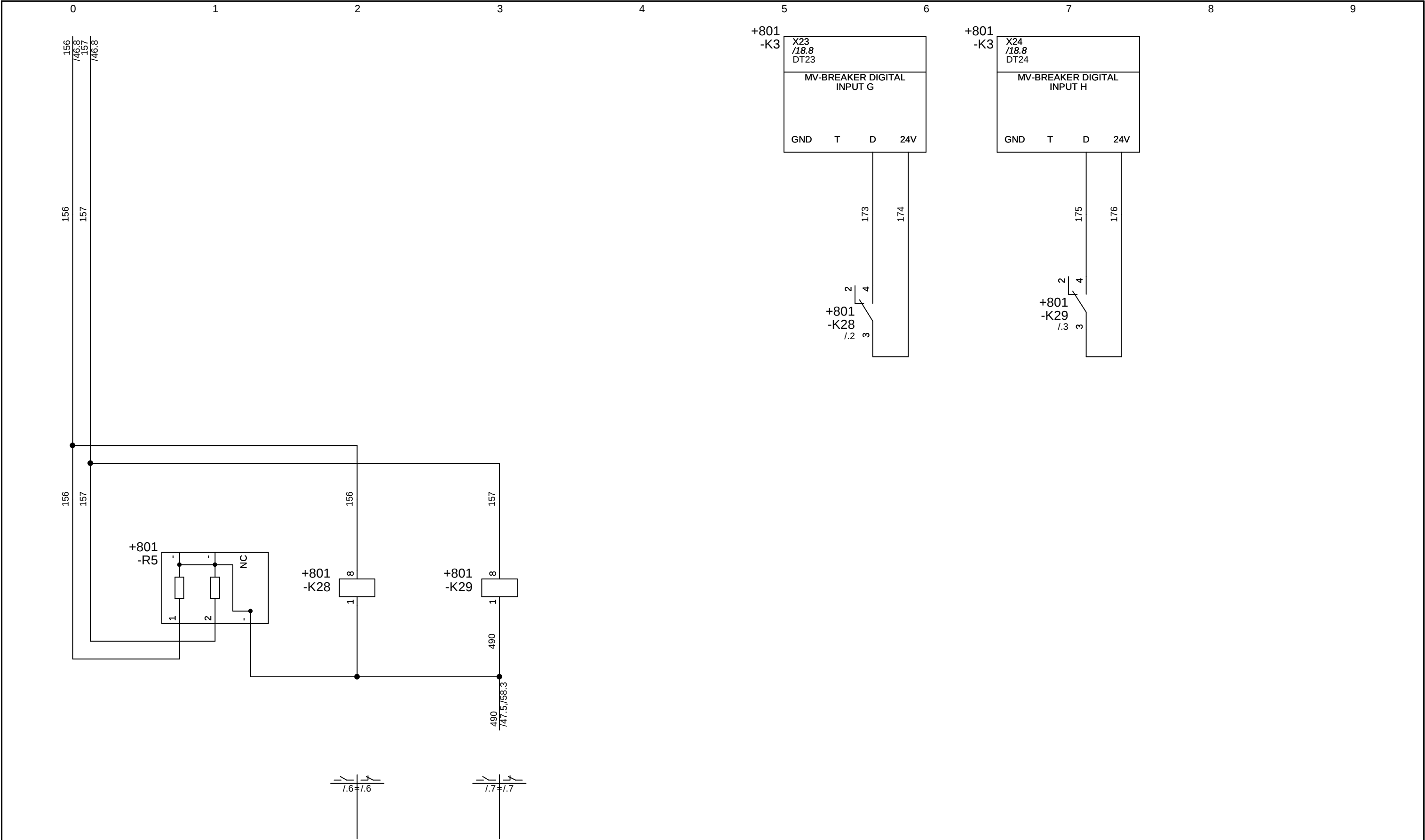




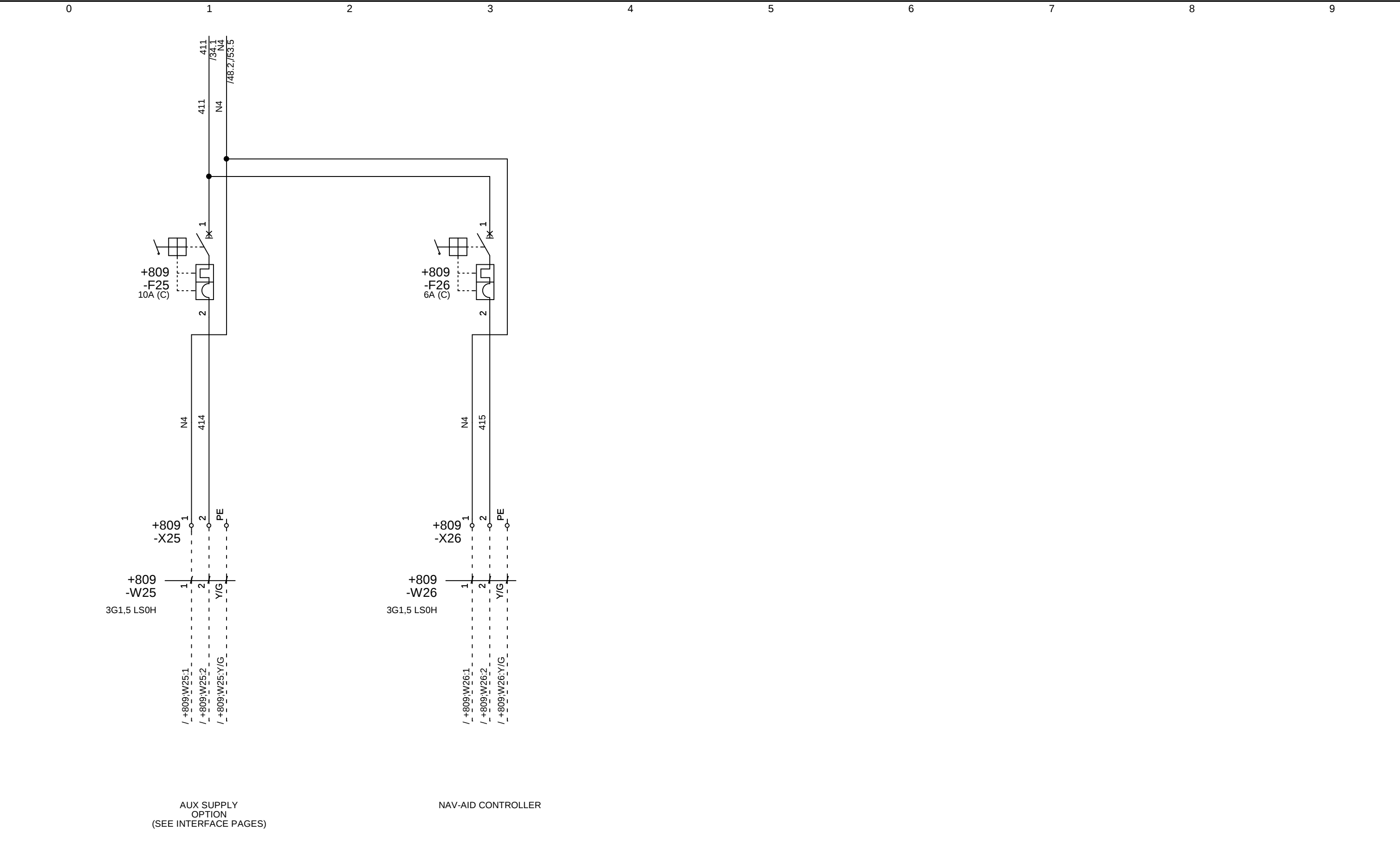
 kk-electronic a/s +A21/46	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content		=V304002
		2014-05-28			801: MV BREAKER		+A21
		Item-no.	ZCD-no:				47
		JASOE/mebje	V3040A21002				+A21/48

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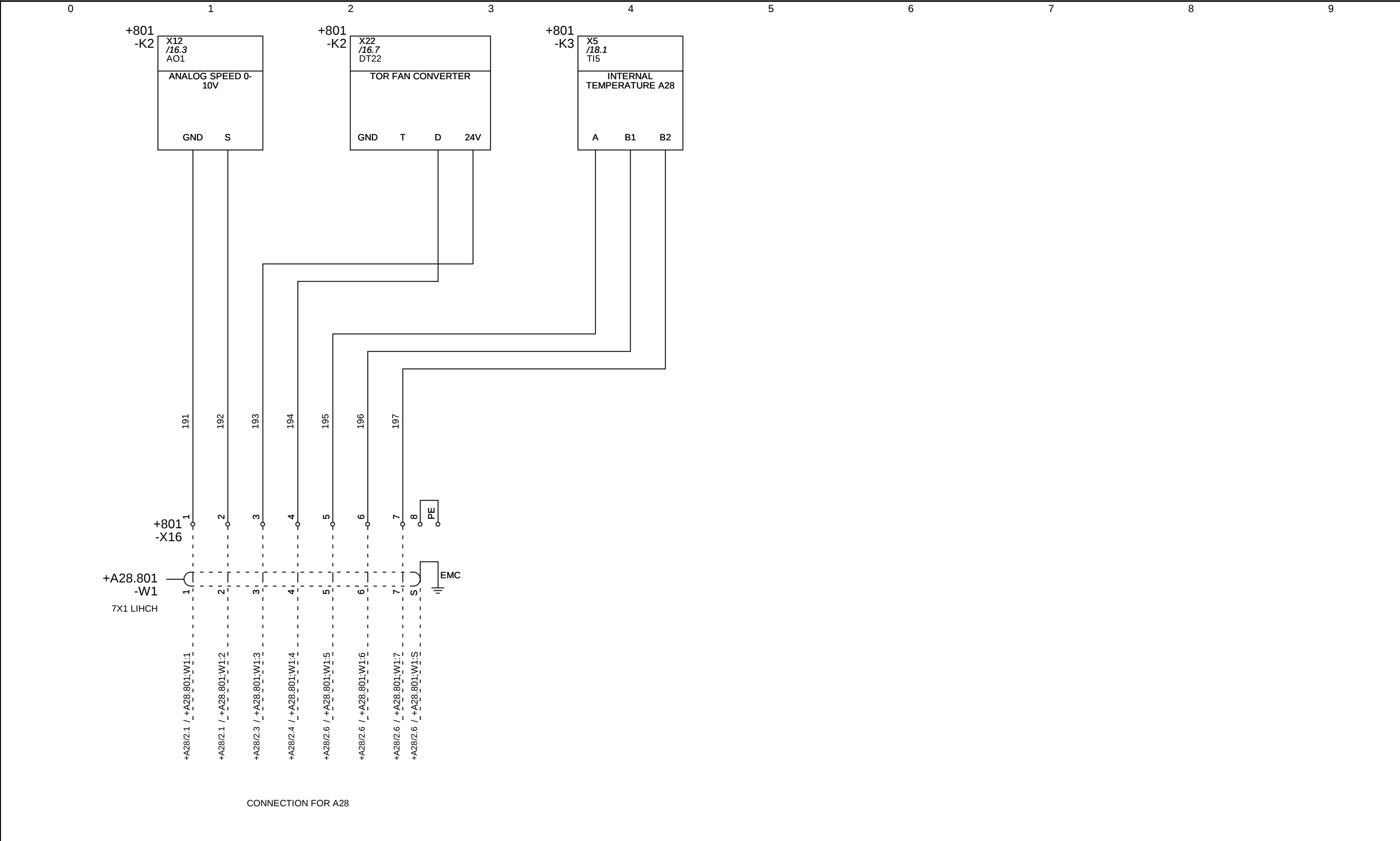


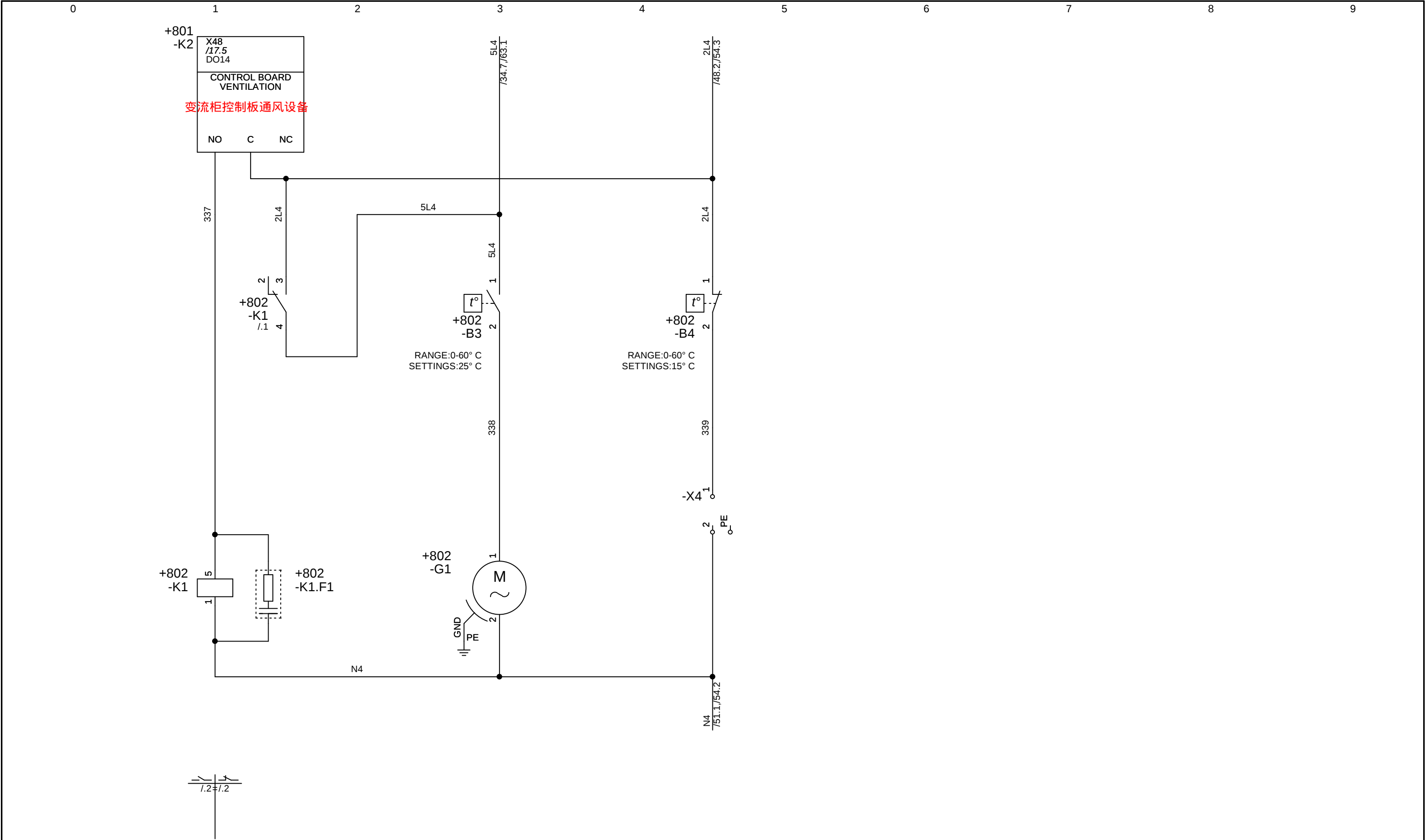


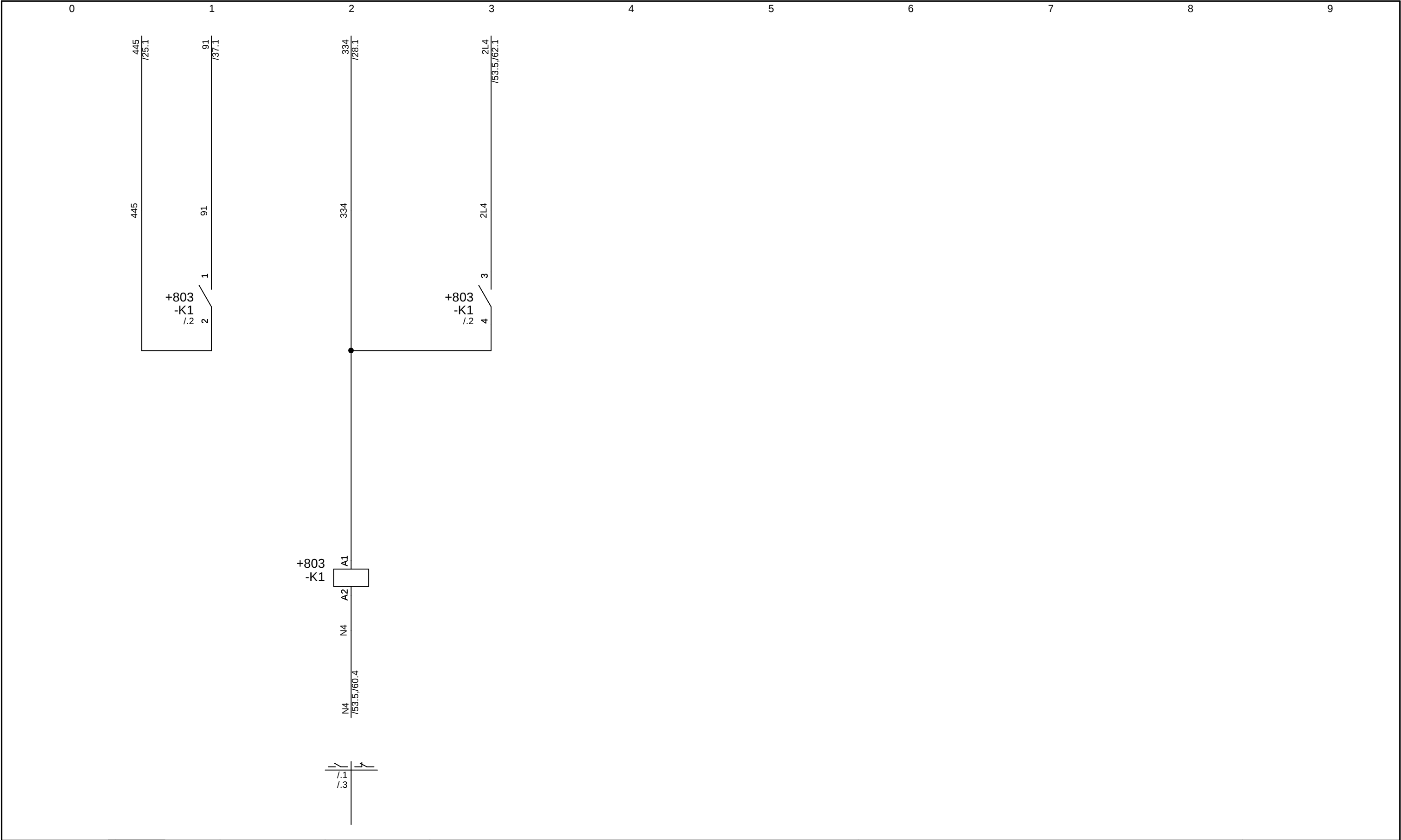
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		2014-05-28			801: MV BREAKER		+A21
		Item-no.	ZCD-no:				50
		JASOE/mebje	1040046				+A21/51



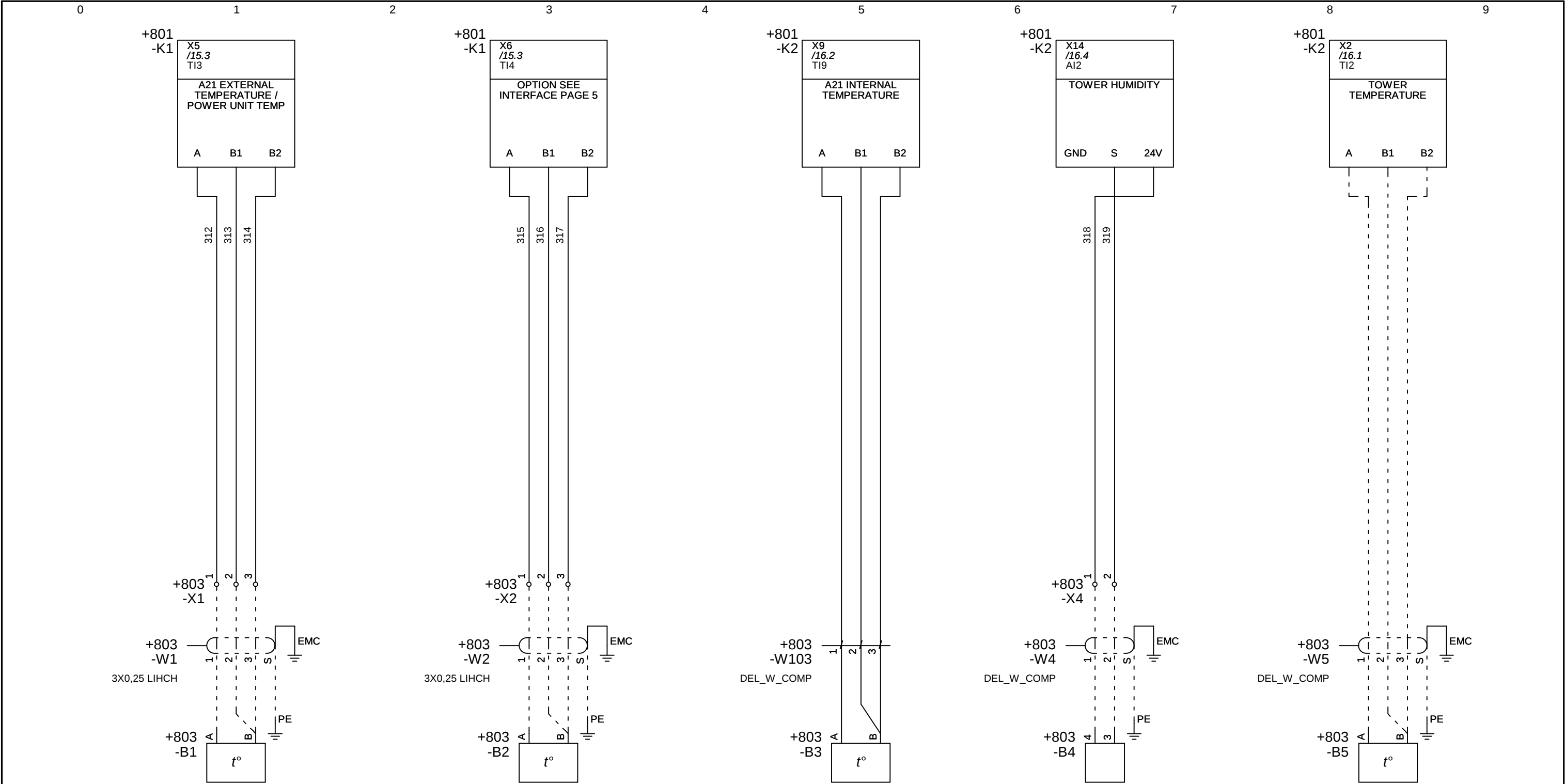
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		2014-05-28			809:SUPPLY FOR NAV-AID CONTROLLER	+A21	
		kk-responsible	Item-no.			ZCD-no:	51
		JASOE/mebje	V3040A21002			1040046	
The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.							
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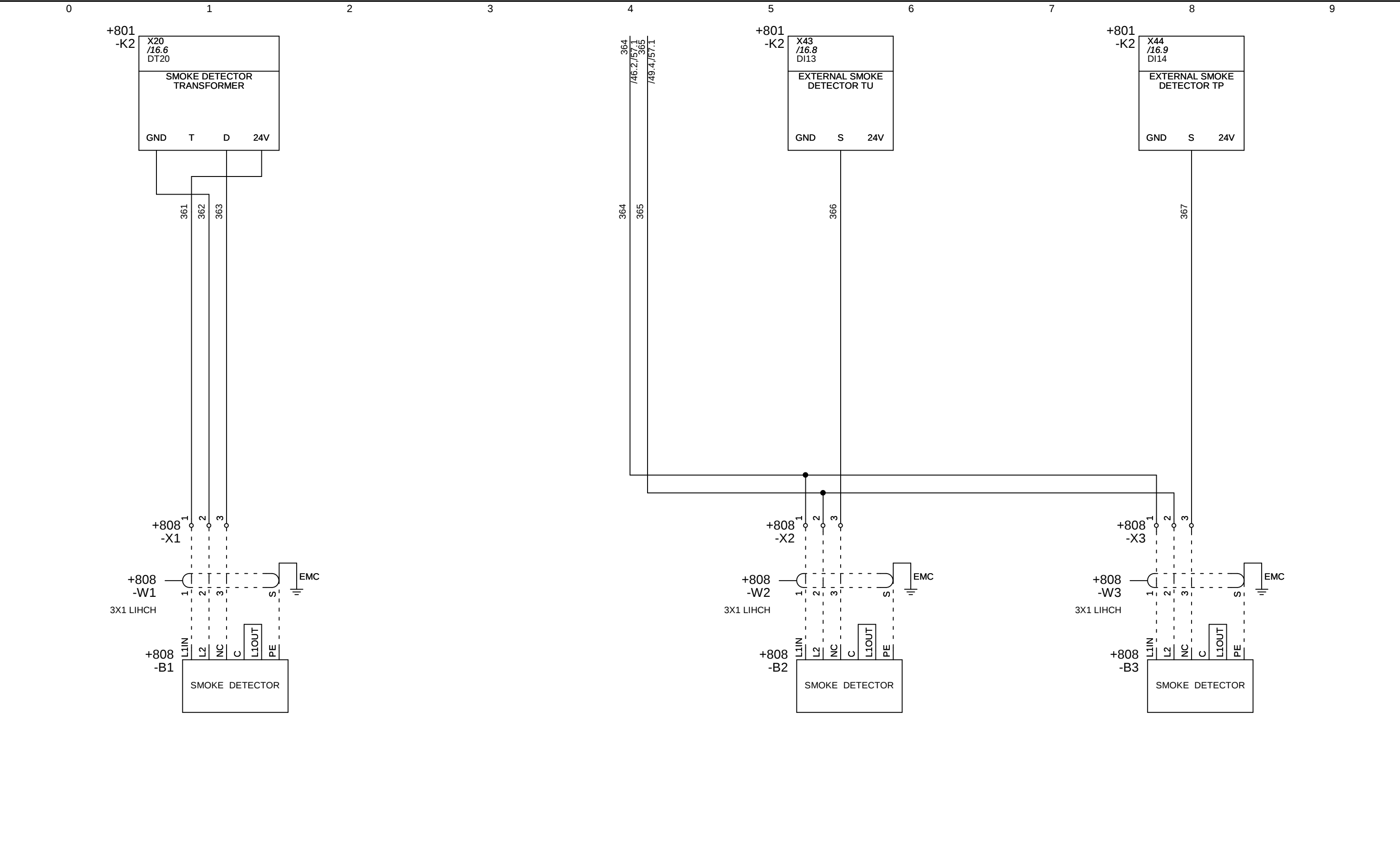


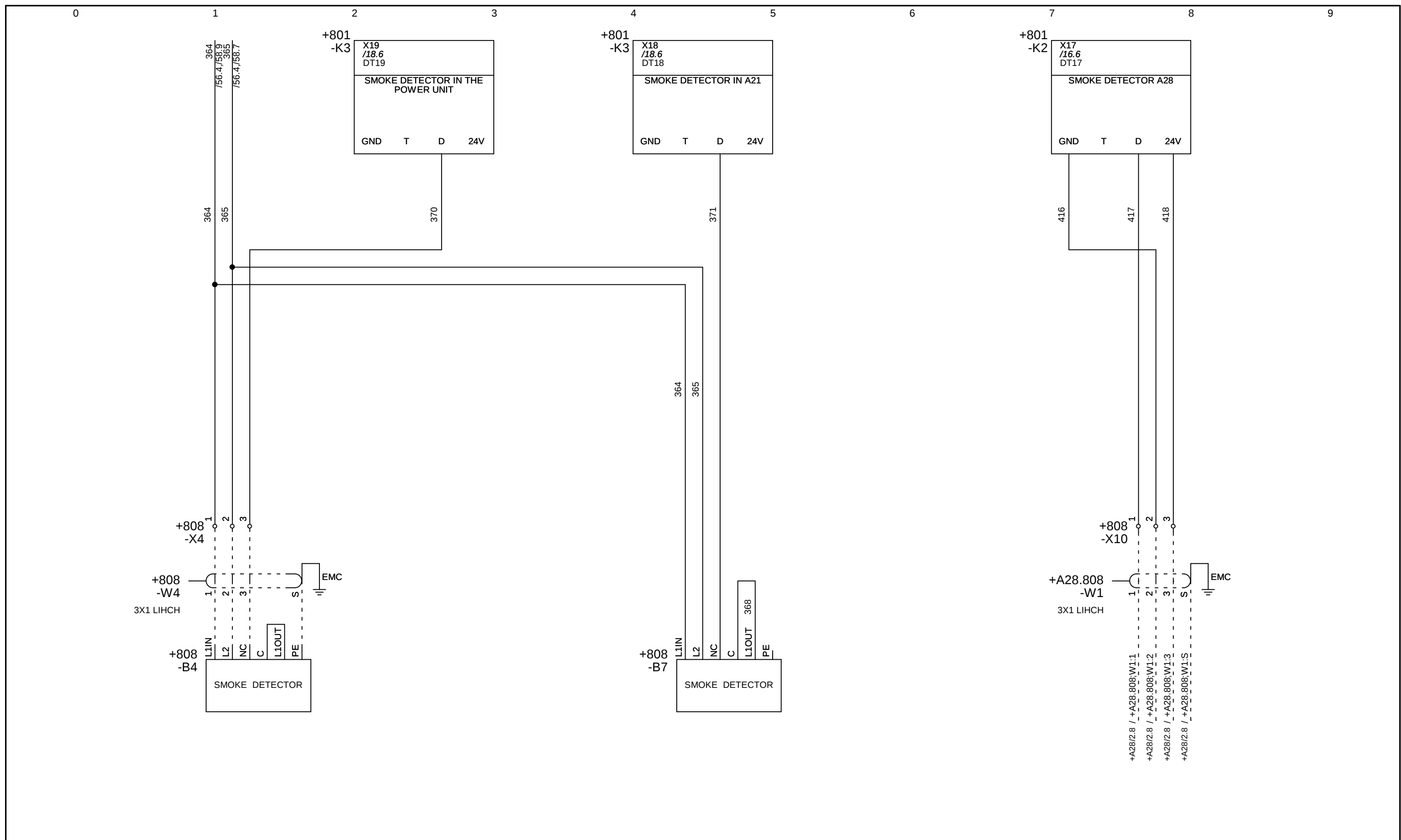


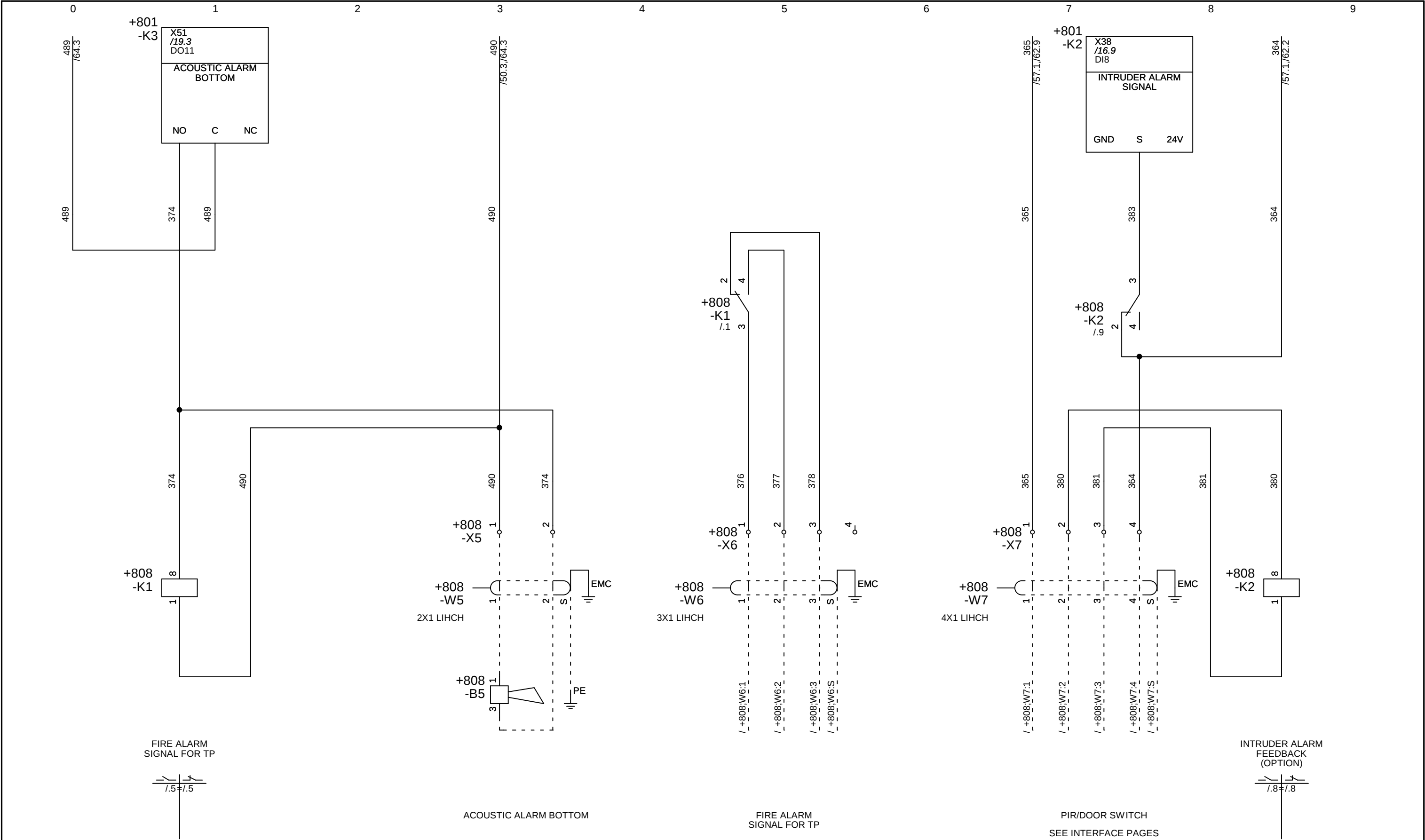


 kk-electronic a/s	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content	=V304002	
		2014-05-28			803:SUPPLY 2L4	+A21	
		kk-responsible	Item-no.			ZCD-no:	54
		JASOE/mebje	V3040A21002			1040046	
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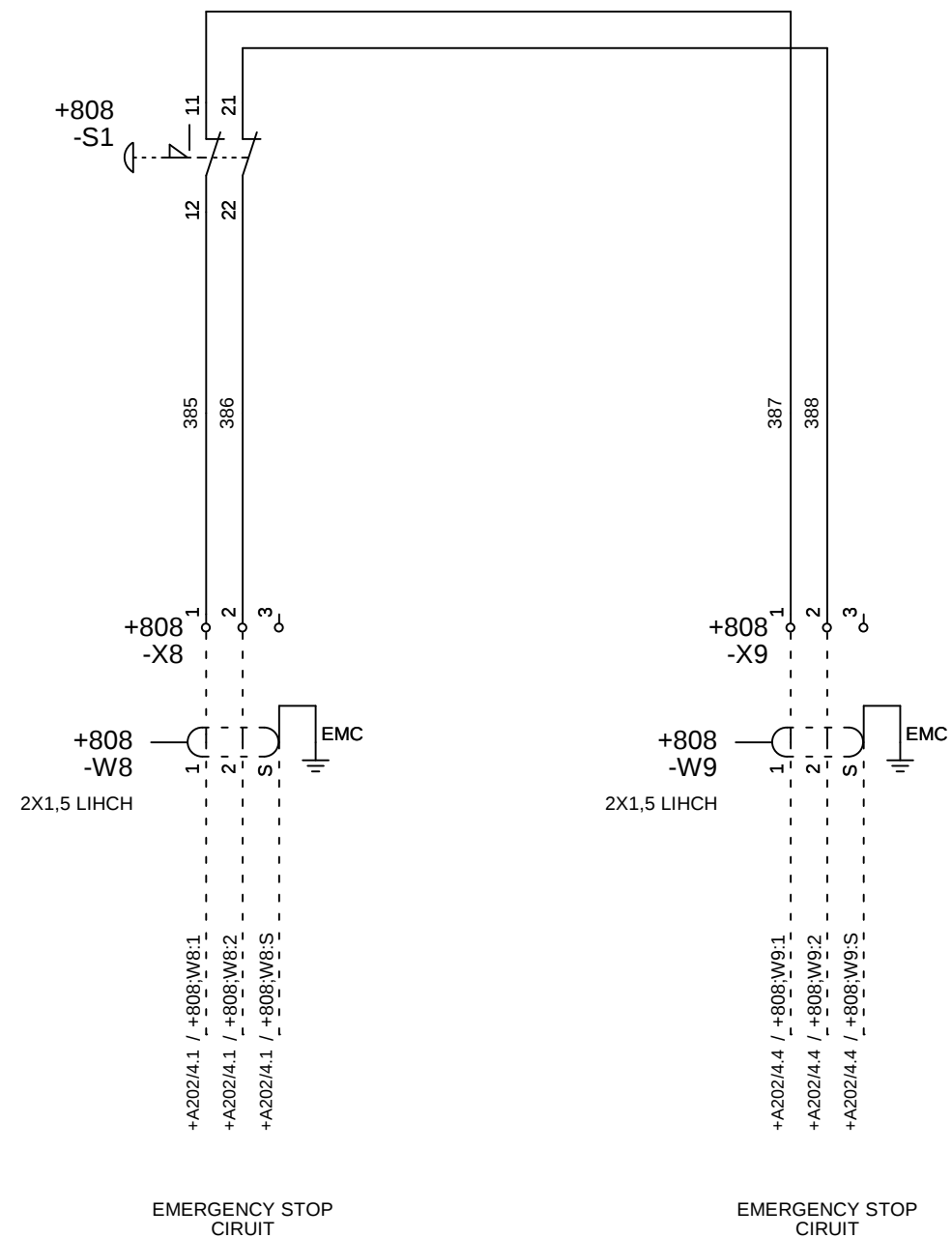


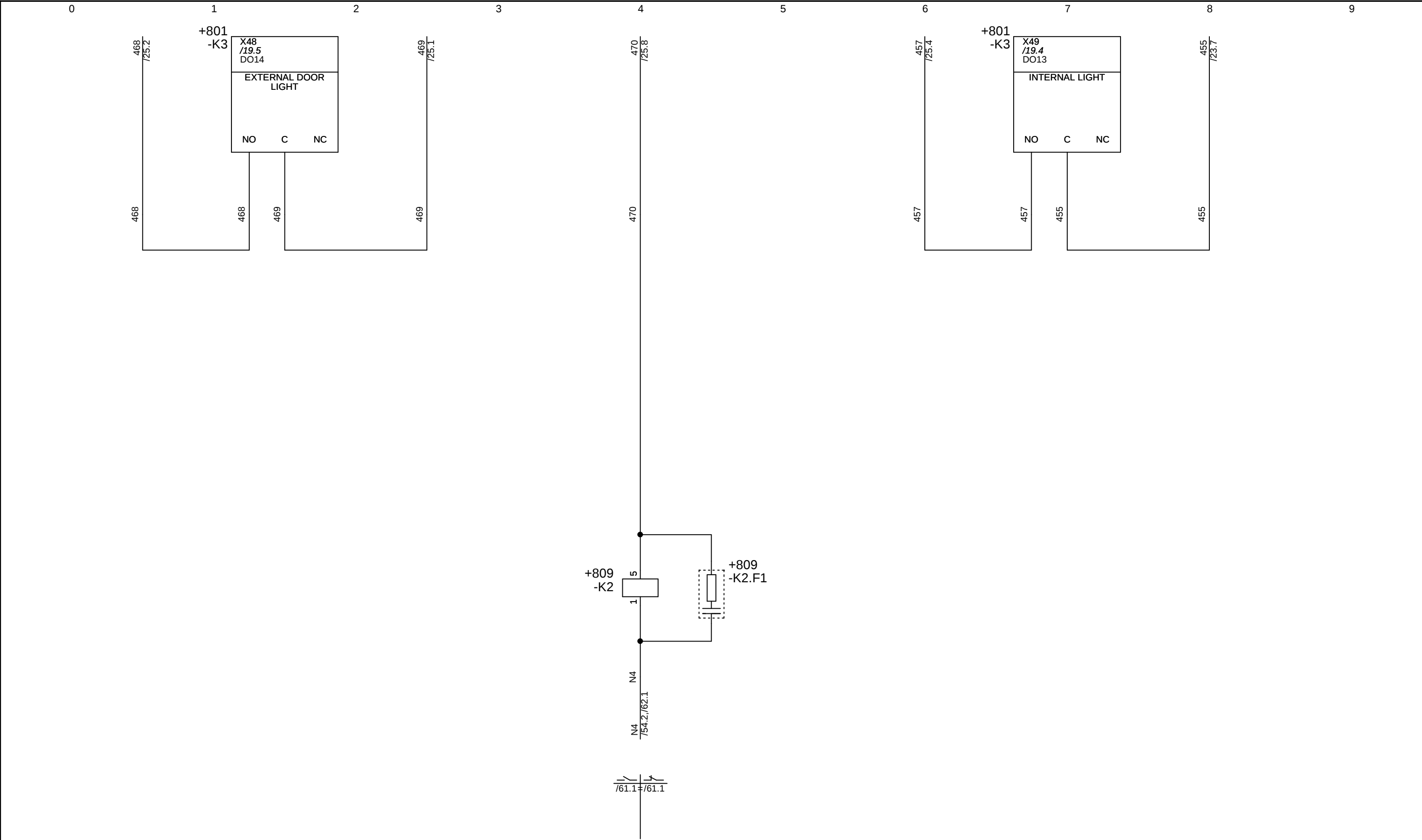


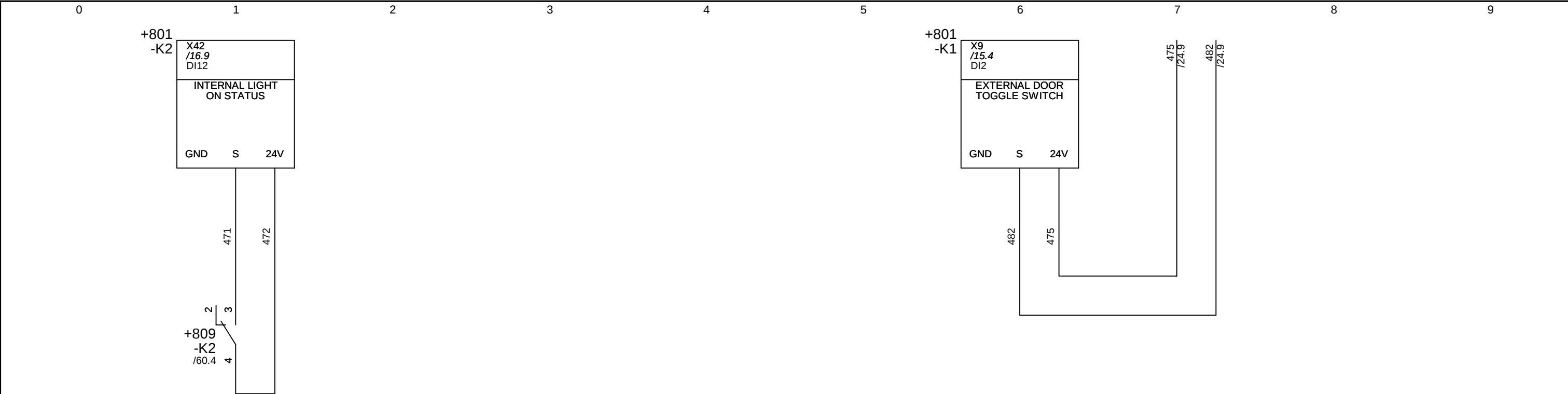
 kk-electronic a/s +A21/57	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content		=V304002
		2014-05-28			808:SIRENE/FIRE ALARM AND INTRUDER ALARM		+A21
		Item-no.	ZCD-no:				58
		JASOE/mebje	V3040A21002	1040046			

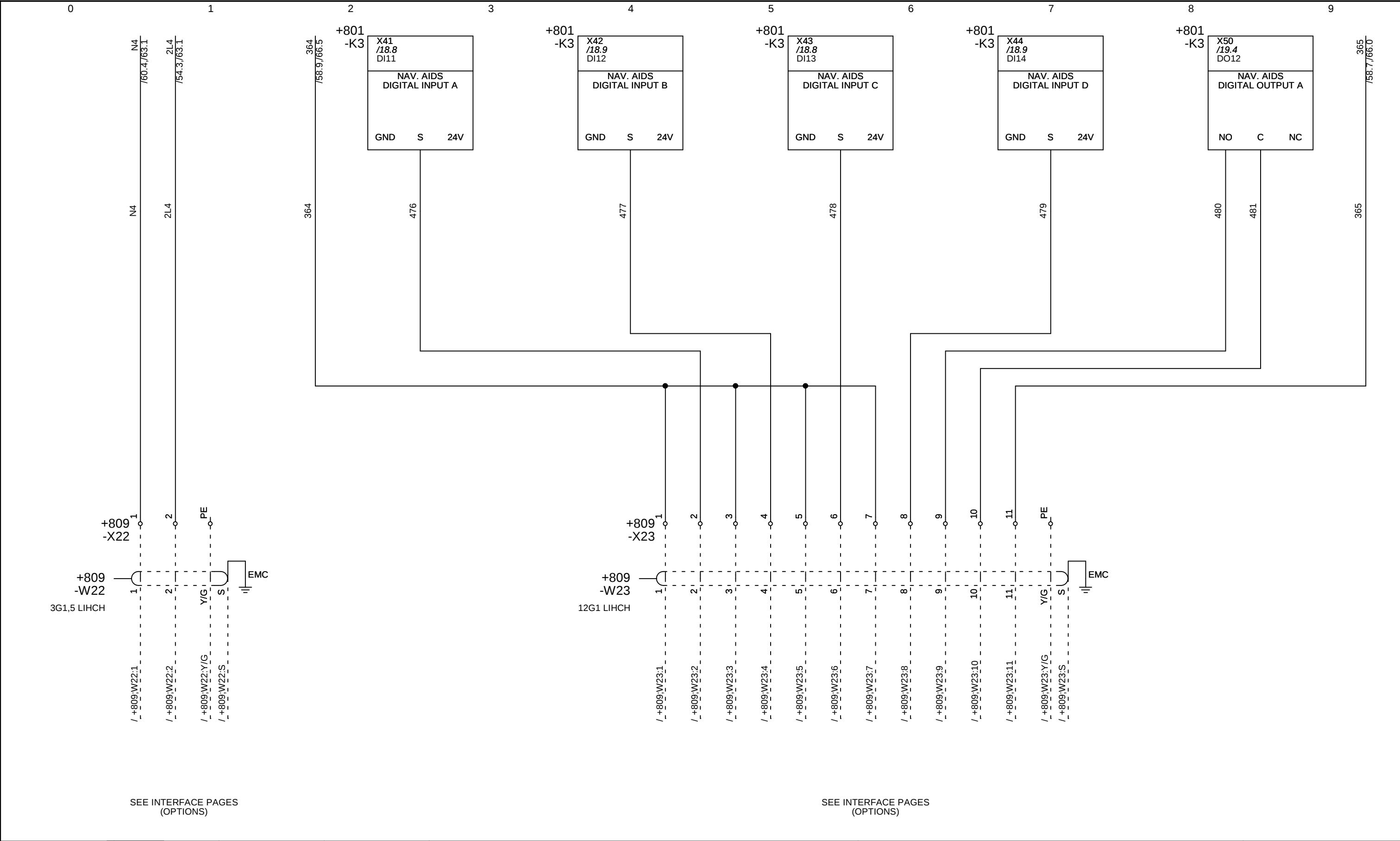
3The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.

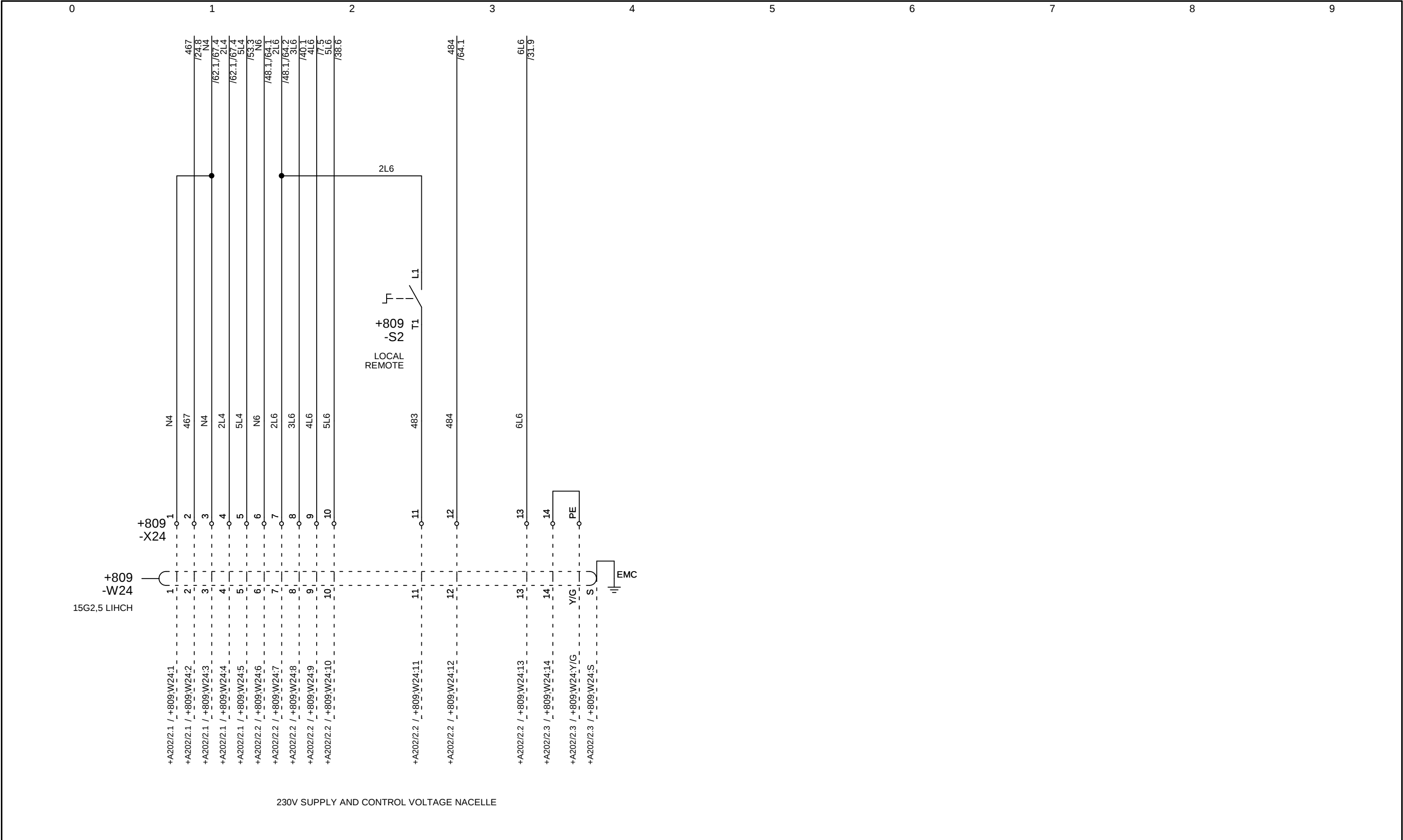
+A21/59



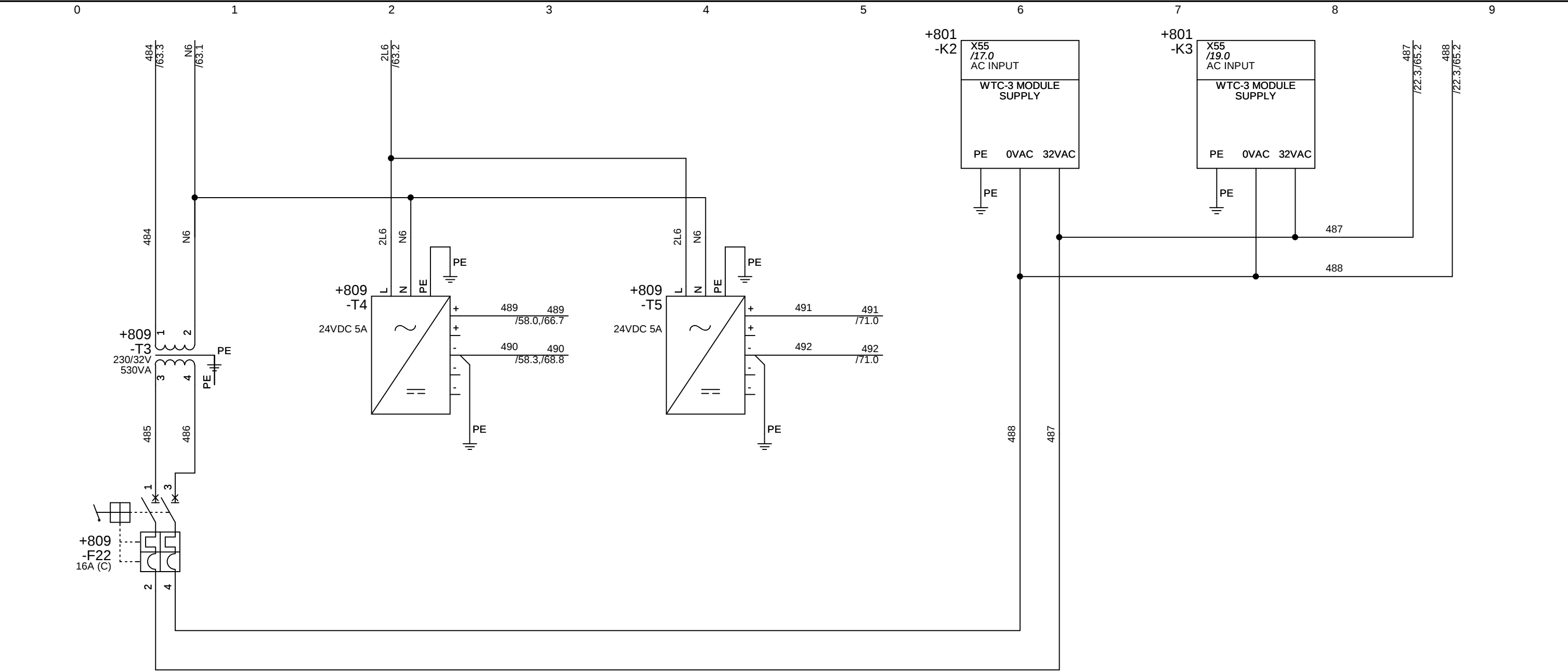






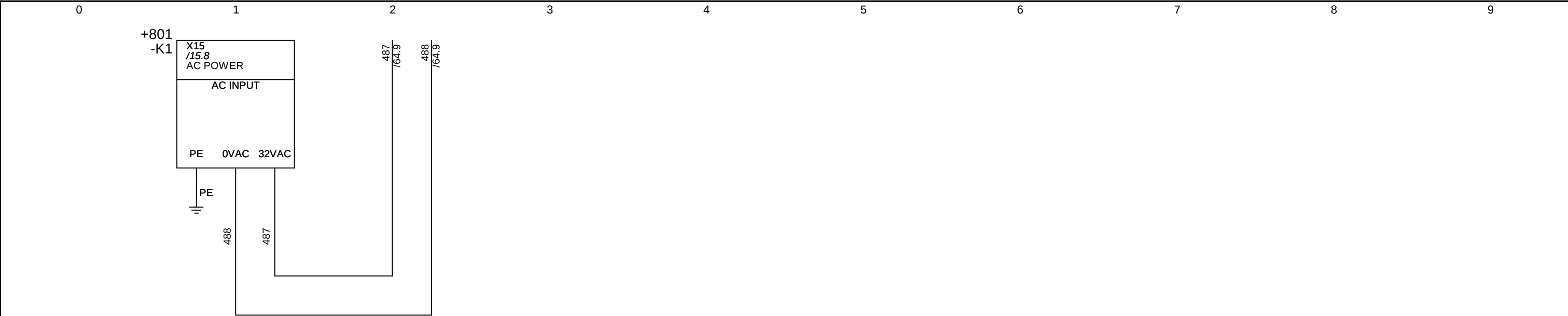


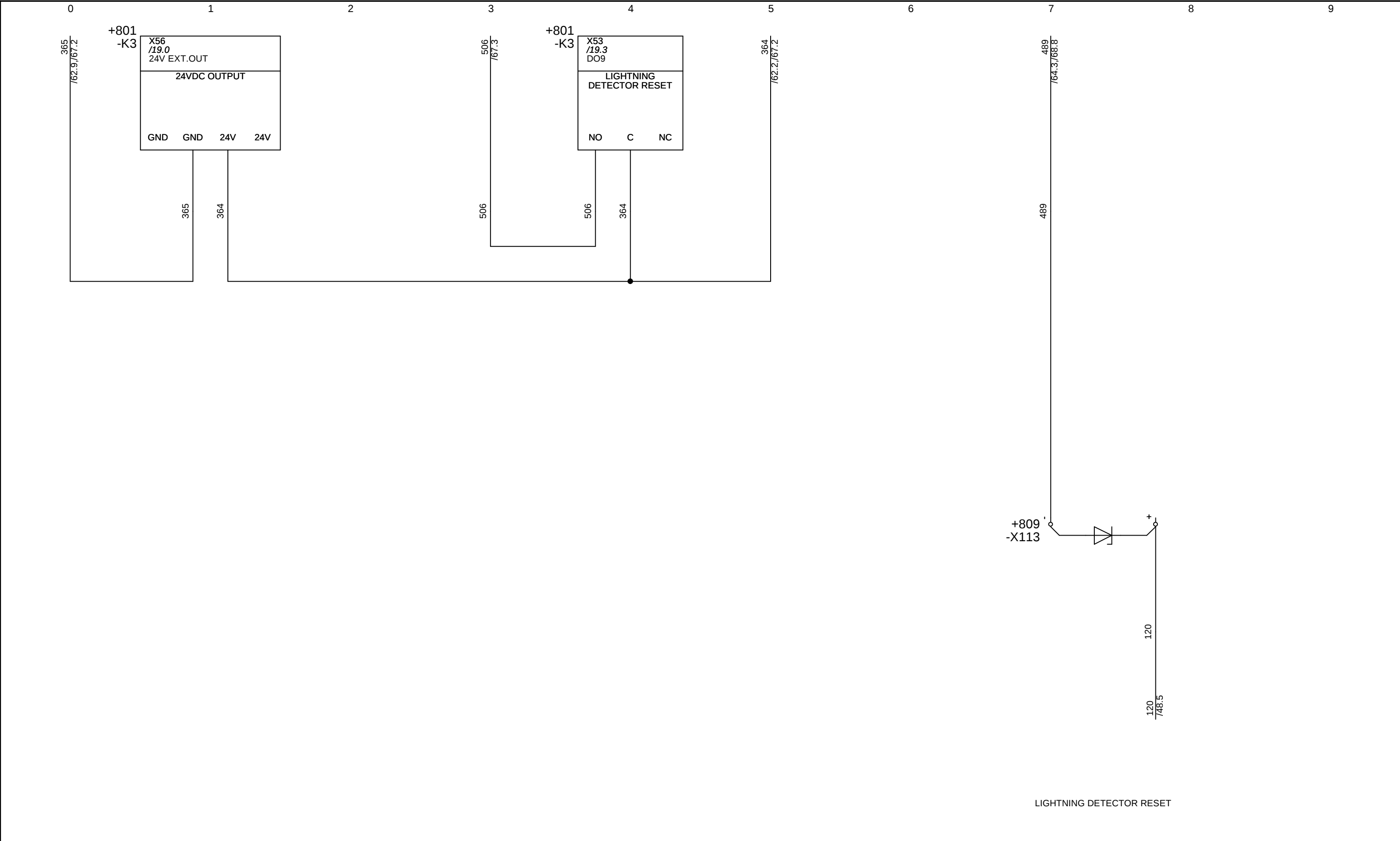
 kk-electronic a/s +A21/62	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content		=V304002
		2014-05-28			809:230V SUPPLY NACELLE/+A12		+A21
		Item-no.	ZCD-no:				63
		JASOE/mebje	1040046				+A21/64

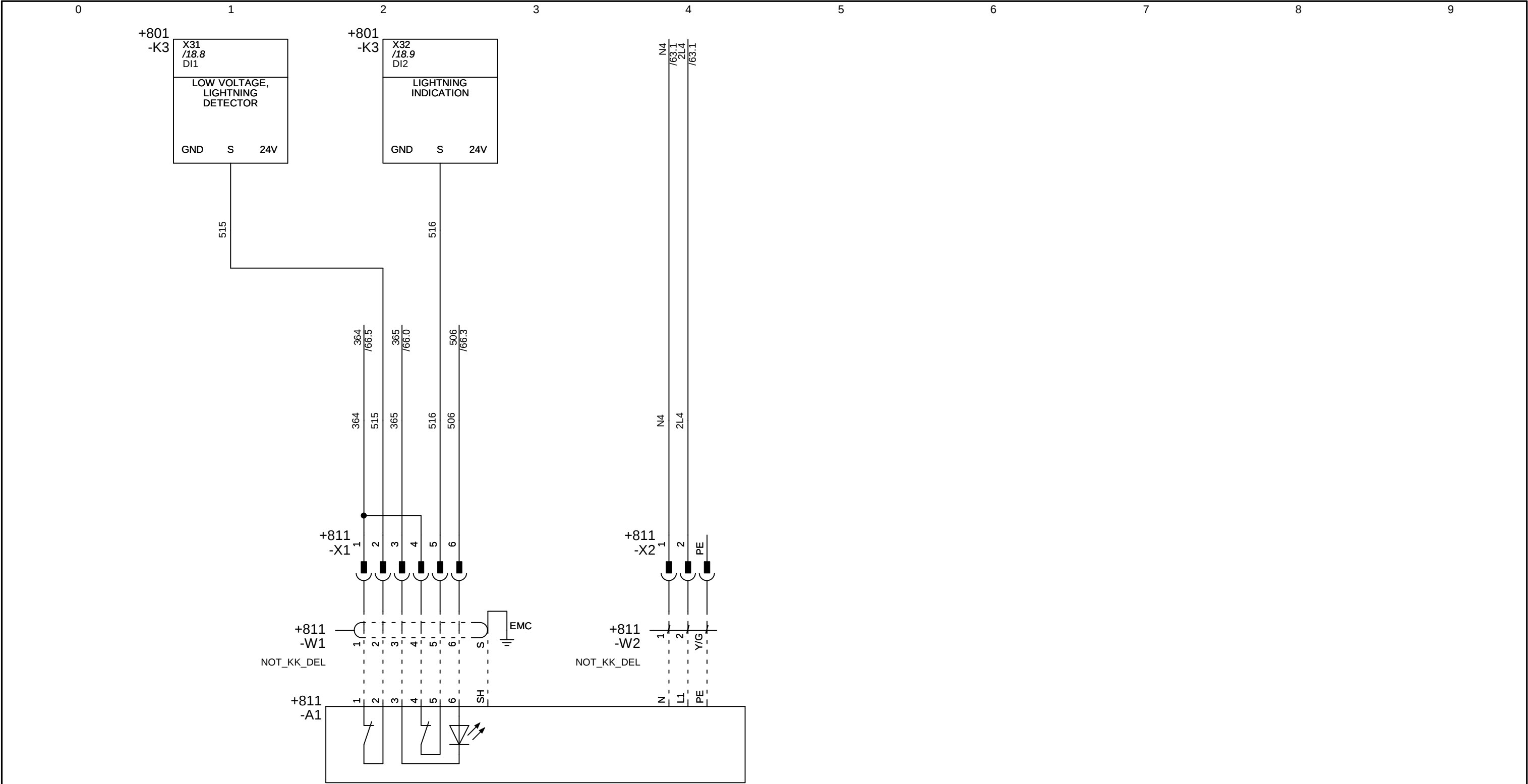


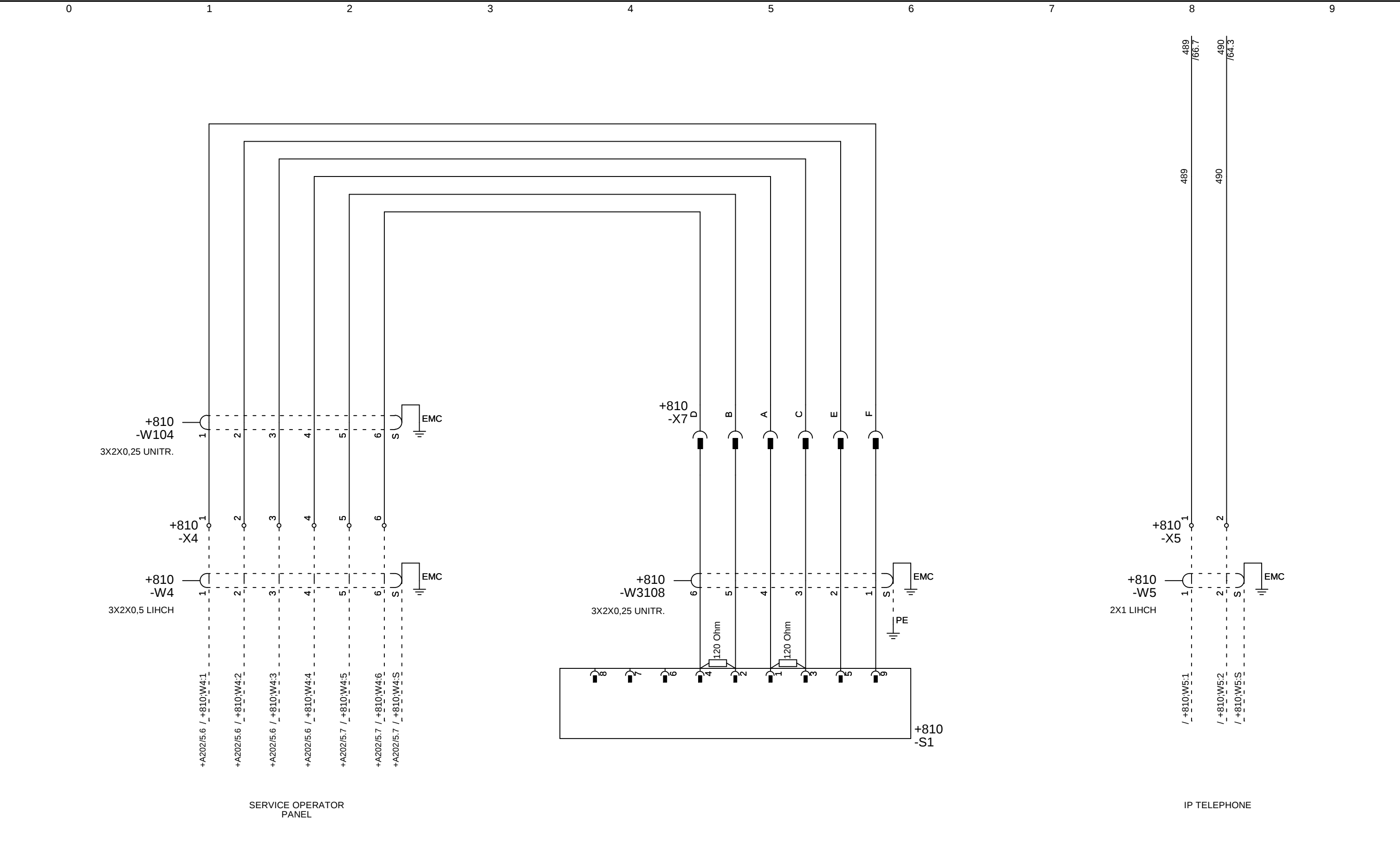
32VAC WTC-3
MODULE SUPPLY

 kk-electronic a/s +A21/63	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content		=V304002
		2014-05-28			809:24VDC AUX. SUPPLY/ 32VAC MODULE SUPPLY		+A21
		kk-responsible	Item-no.				ZCD-no:
		JASOE/mebje	V3040A21002		1040046	The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.	

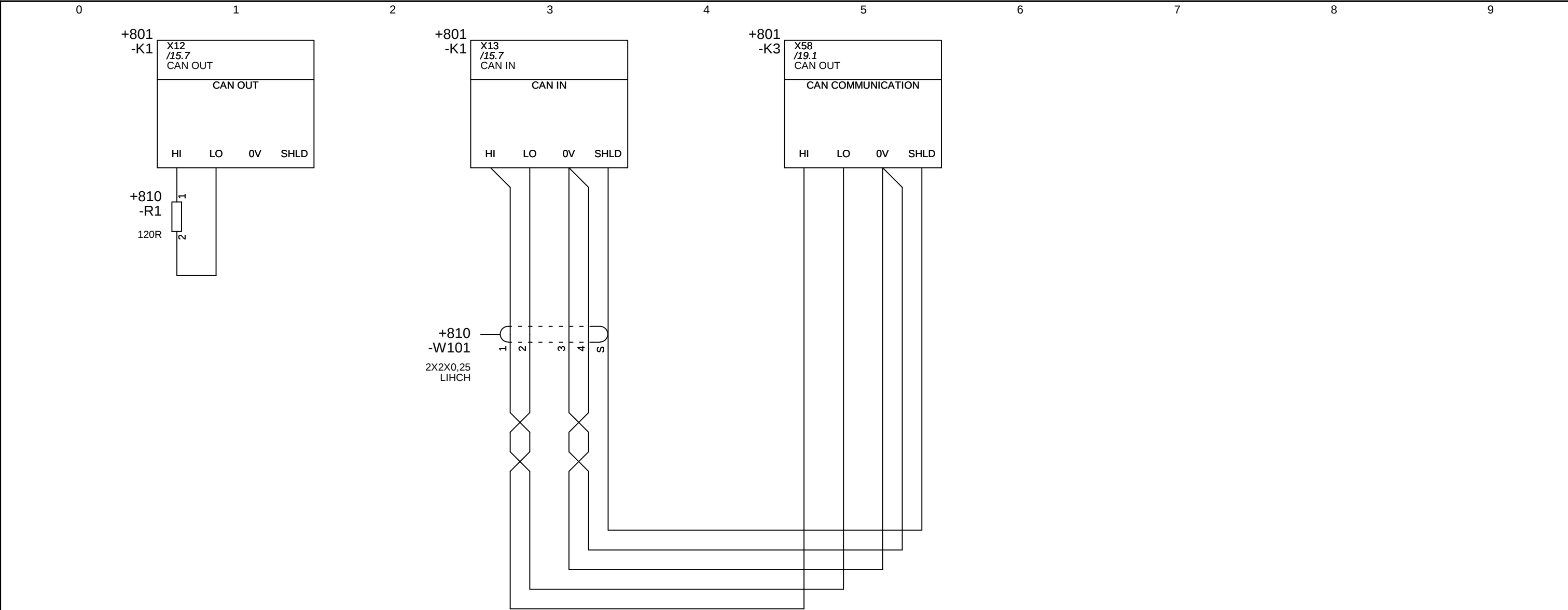


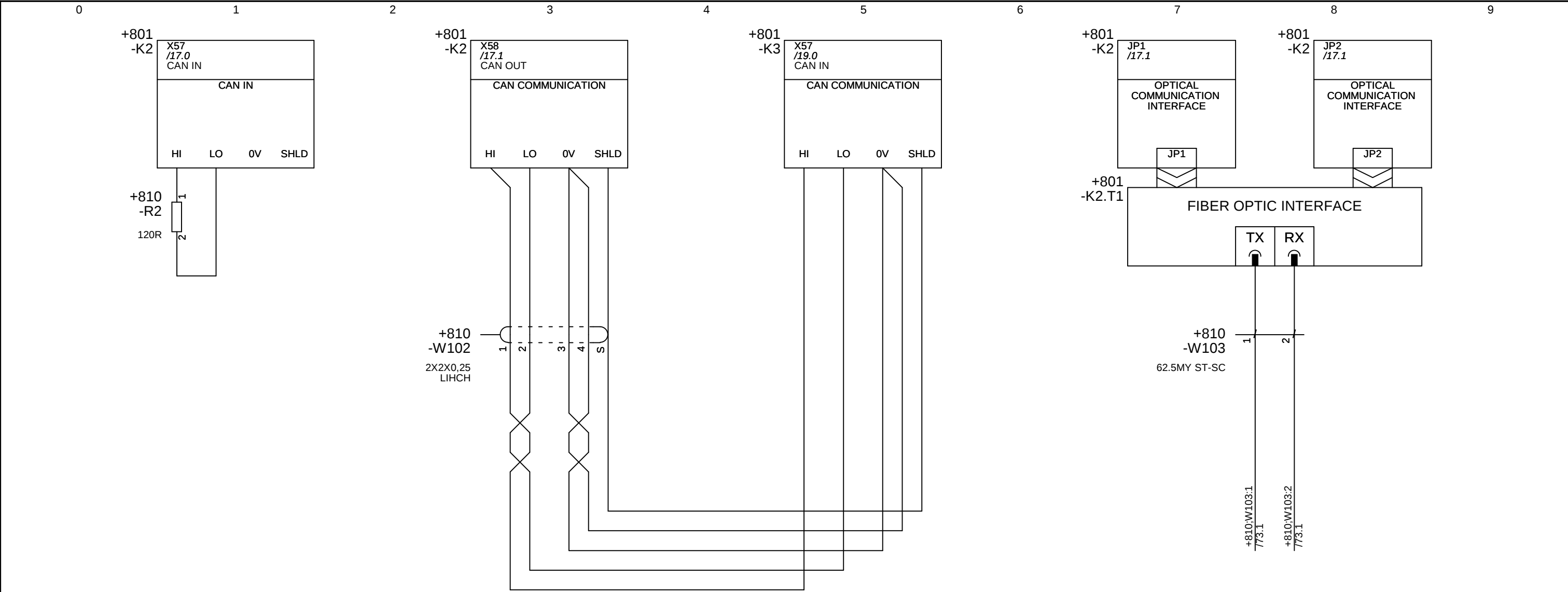


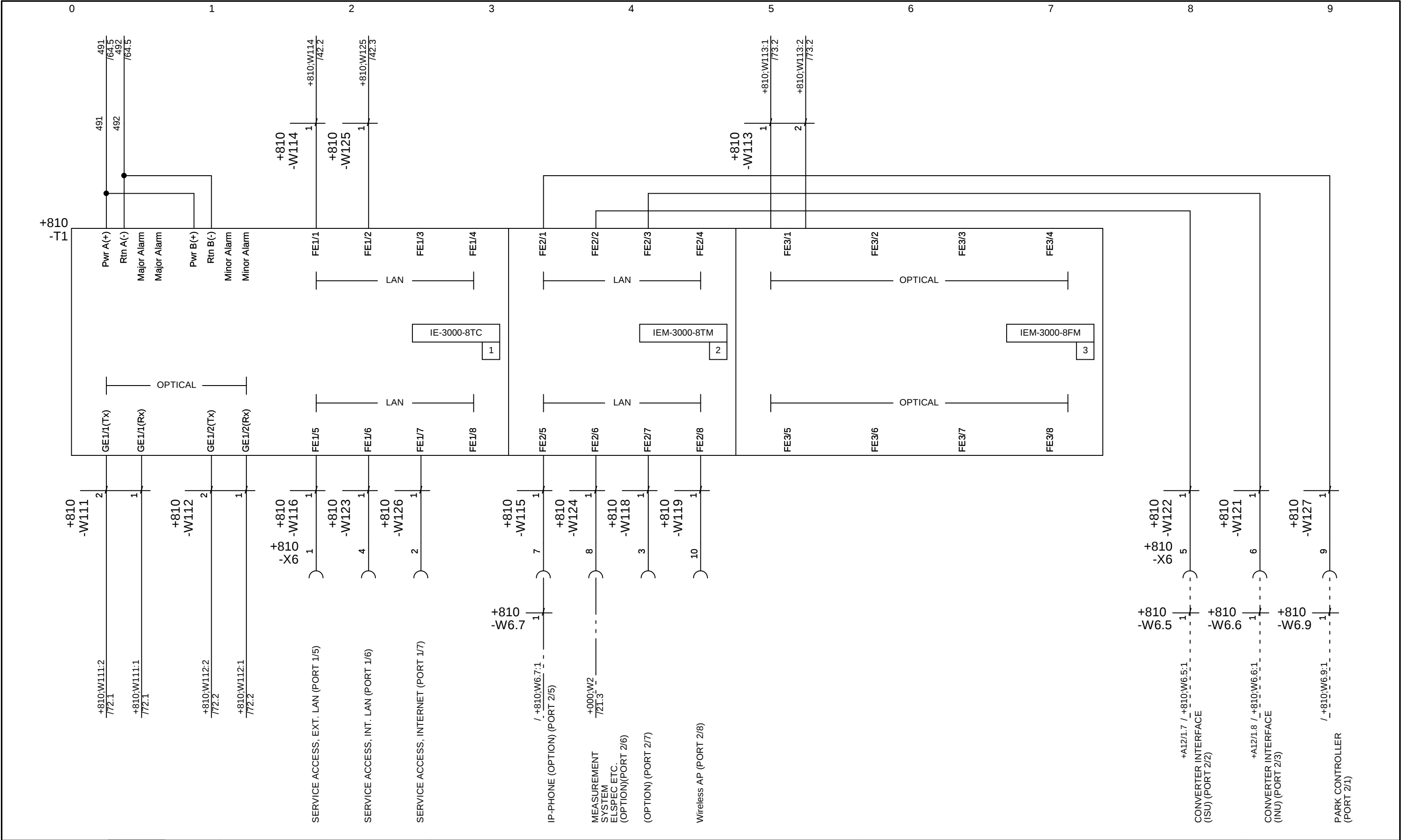




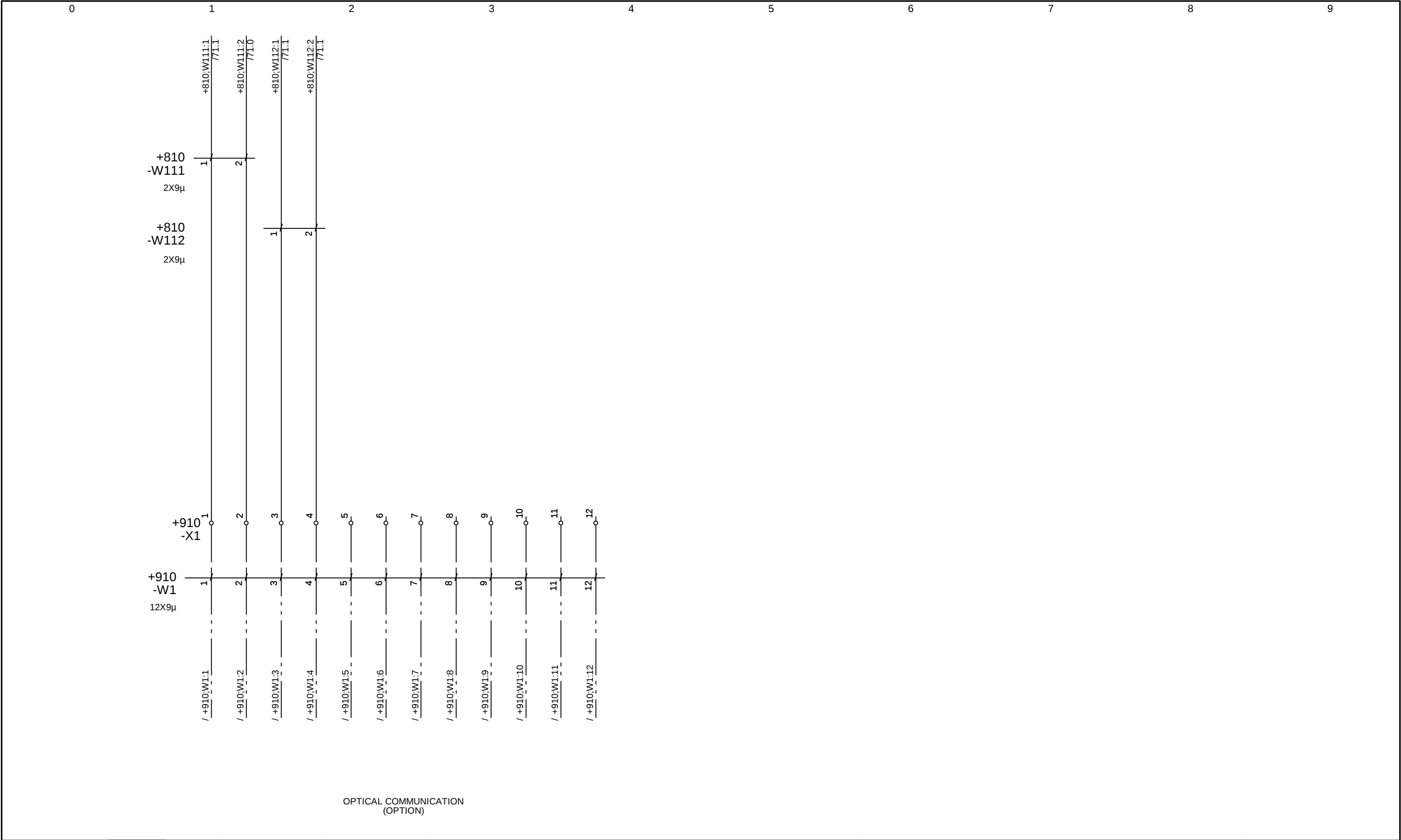
 kk-electronic a/s +A21/67	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content	=V304002	
		2014-05-28			810:SERVICE OPERATOR PANEL AND IP TELEPHONE	+A21	
		kk-responsible	Item-no.			ZCD-no:	68
		JASOE/mebje	V3040A21002			1040046	
The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.							



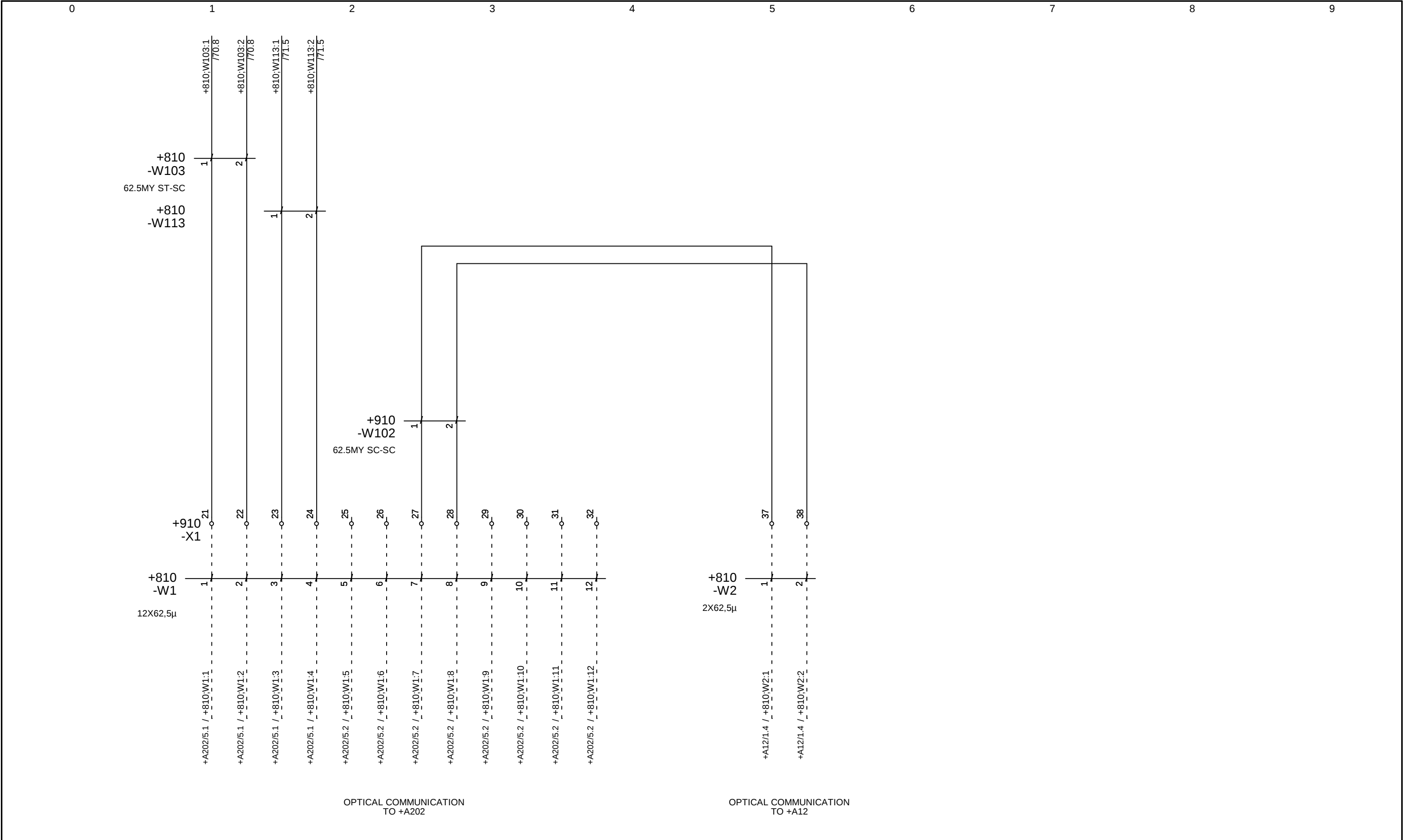




 kk-electronic a/s +A21/70	SIEMENS kk-responsible JASOE/mebje	Date 2014-05-28 Item-no. V3040A21002	Rev. Date ZCD-no: 1040046	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content 810:SWITCH	=V304002 +A21 71

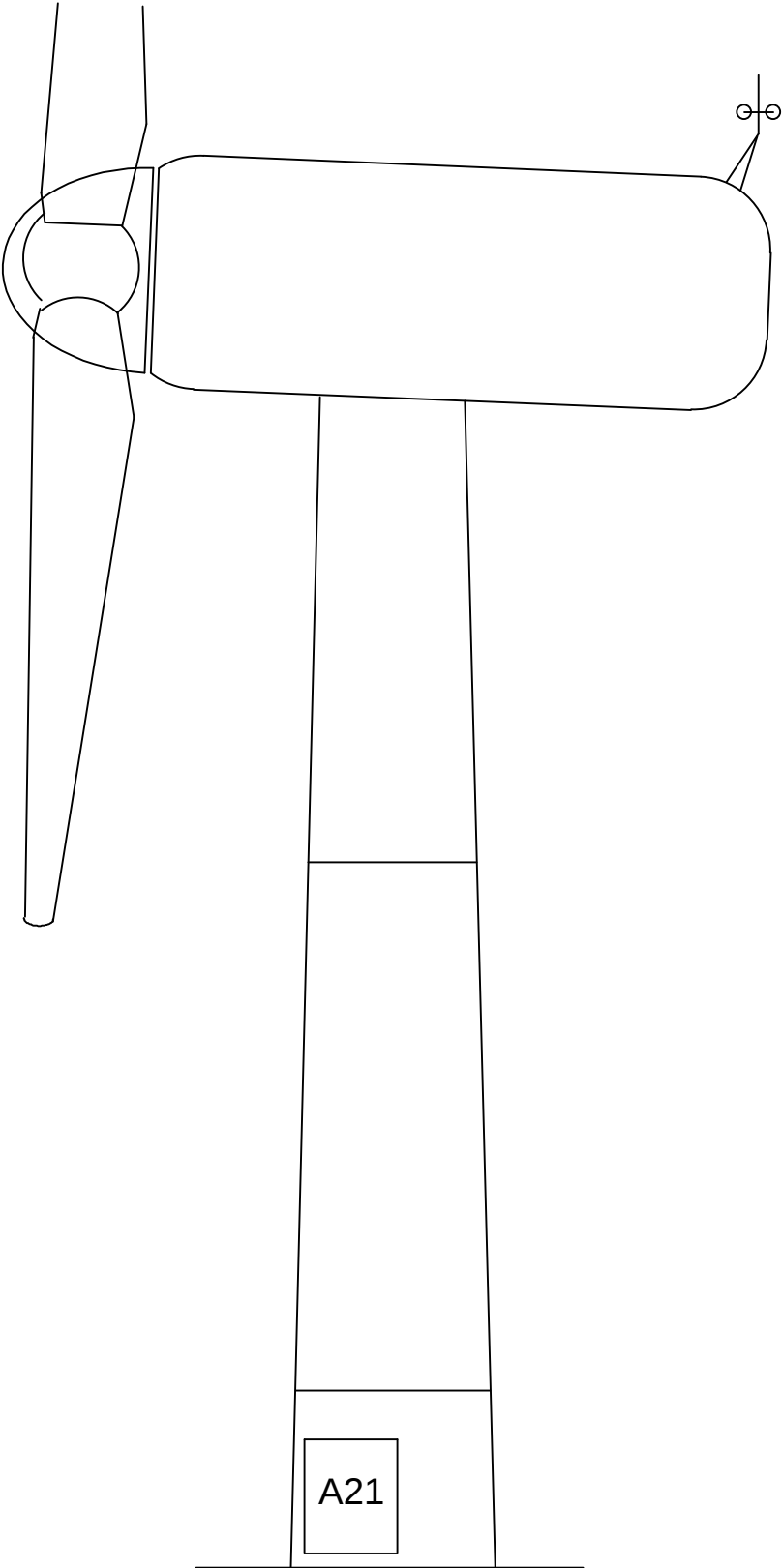


 kk-electronic a/s +A21/71	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz,	Page Content	=V304002	
		2014-05-28			910:OPTICAL COMMUNICATION (OPTION)	+A21	
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		JASOE/mebje	V3040A21002			1040046	
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						+A21/73	



+A21 COMPONENTS LIST

元件表



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+A21/73		The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A21/C-1	

Components list

Components list

	Component name	Part number	Description	SWP no.	Manufacturer	Ref.	Qty.	
44	+A21.301-W1	NOT_KK_DEL	Not delivered by kk		VARIOUS	/2.1	-	
45	+A21.301-W2	05990145	Cable 2X1.5 Lihch Datax	30563	Draka	/32.3	1	
46	+A21.301-X1	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/31.4	4	
47	+A21.301-X1	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/31.5	1	
48	+A21.301-X2	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/32.3	1	
49	+A21.301-X2	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/32.3	1	
50	+A21.302-W2	06040045	Cable 7G1.5 LS0H H07BN4-F T1000	A9B00030117	Draka	/1.1	-	
51	+A21.302-X2	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/34.3	2	
52	+A21.302-X2	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/34.3	1	
53	+A21.302-X2	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/34.4	1	
54	+A21.303-K1	G2R-1-SN-230AC	Relay 1P 230VAC w/LED	A9B00017405	Omron	/34.5	1	
55	+A21.303-K1	P2RF-05E	Socket f/G2R-1	A9B00017968	Omron	/34.5	1	
56	+A21.303-W1	0035074	Cable 18G1.5 110CH Ölflex		LAPP	/33.1	1	
57	+A21.303-X1	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/33.1	5	
58	+A21.303-X1	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/33.7	1	
59	+A21.303-X1	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/33.9	1	
60	+A21.308-F1	MS325-2.5	Line cir.break. 2.50A	A9B00059165	ABB	/35.1	1	
61	+A21.308-K1	G3R-OA202SZN	Solid state rel.75-264V 5-24VDC	A9B10071072	Omron	/35.5	-	
62	+A21.308-K1	G3R-OA202SZN-UTU	Solid state rel.75-264V	17419	Omron	/35.6	1	
63	+A21.308-K1	P2RF-05E	Socket f/G2R-1	A9B00017968	Omron	/35.6	1	
64	+A21.308-K2	G3R-OA202SZN	Solid state rel.75-264V 5-24VDC	A9B10071072	Omron	/35.7	-	
65	+A21.308-K2	G3R-OA202SZN-UTU	Solid state rel.75-264V	17419	Omron	/35.7	1	
66	+A21.308-K2	P2RF-05E	Socket f/G2R-1	A9B00017968	Omron	/35.7	1	
67	+A21.308-K3	G2R-1-SND-24DC	Relay 1P 24VDC w/LED+Diode	A9B00017418	Omron	/35.9	1	
68	+A21.308-K3	P2RF-05E	Socket f/G2R-1	A9B00017968	Omron	/35.9	1	
69	+A21.308-K3	RJ1S-CLD-D24	Relay 1P 24DC 12A W/Led+diode		Idec	/35.9	-	
70	+A21.308-K3	SJ1S-07L	Socket f/1P Relay		Idec	/35.9	-	
71	+A21.308-T1	1002043	Trafo 230/24V 63VA	A9B10085992	Noratel	/35.1	1	
72	+A21.309-F1	S204U-C10	Circuit break.m.4P 10A (3P+N) UL		ABB	/34.1	1	
73	+A21.309-K1	249-116	End stop f/TS-35 rail	200969	Wago	/34.7	1	
74	+A21.309-K1	9708/2S35	End stop reinforced	A9B00083081	Wieland	/34.7	1	
75	+A21.309-K1	R25-40-230	Installation contactor 4NO		B&J	/34.7	1	
76	+A21.801-K1	V303-1	WTC-3 grid mod.		KK-electronic	/4.4	1	
77	+A21.801-K1.F1	2183.15	Fuse 3.15AT 5X20	A9B00017394	Littelfuse	/15.9	1	
78	+A21.801-K1.F2	2183.15	Fuse 3.15AT 5X20	A9B00017394	Littelfuse	/15.9	1	
79	+A21.801-K2	V302-1	WTC-3 I/O-1 mod.		KK-electronic	/4.0	1	
80	+A21.801-K2.F1	218005	Fuse 5AT 5X20	A9B00017395	Littelfuse	/16.1	1	
81	+A21.801-K2.F2	218005	Fuse 5AT 5X20	A9B00017395	Littelfuse	/16.1	1	
82	+A21.801-K2.T1	V353-1	WTC-3 ST fib. interface Can		KK-electronic	/70.8	1	
83	+A21.801-K3	V302-1	WTC-3 I/O-1 mod.		KK-electronic	/4.0	1	
84	+A21.801-K3.F1	218005	Fuse 5AT 5X20	A9B00017395	Littelfuse	/18.1	1	
85	+A21.801-K3.F2	218005	Fuse 5AT 5X20	A9B00017395	Littelfuse	/18.1	1	
86	+A21.801-K4	9708/2S35	End stop reinforced	A9B00083081	Wieland	/36.4	1	
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+A21/C-1				The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A21/C-3

Components list

	Component name	Part number	Description	SWP no.	Manufacturer	Ref.	Qty.	
87	+A21.801-K4	MY4N-CR220/240AC(S)	MY4N-CR220/240AC(S)		Omron	/36.4	1	
88	+A21.801-K4	SY4S02F1	Clamp f/4P relay	A9B10084497	Omron	/36.4	1	
89	+A21.801-K4	SY4S05C	Socket f/4P relay	A9B00017400	Izumi	/36.4	1	
90	+A21.801-K5	G2R-2-SND-24DC	Relay 2P 24VDC w/LED+Diode	A9B00017424	Omron	/36.8	1	
91	+A21.801-K5	P2RF-08-E	Socket f/G2R-2	A9B00017969	Omron	/36.8	1	
92	+A21.801-K5	RJ2S-CLD-D24	Relay 2P 24DC 8A w/Led+Diode		Idec	/36.8	-	
93	+A21.801-K5	SJ2S-07L	Socket f/2P Relay		Idec	/36.8	-	
94	+A21.801-K6	249-116	End stop f/TS-35 rail	200969	Wago	/38.5	1	
95	+A21.801-K6	R20-20-230V	Installation contactor 2NO	A9B10038537	B&J	/38.1	1	
96	+A21.801-K7	H3DK-M1	Time relay universal 1ch-o.sw.		Omron	/38.2	1	
97	+A21.801-K8	249-116	End stop f/TS-35 rail	200969	Wago	/38.6	1	
98	+A21.801-K8	R20-20-230V	Installation contactor 2NO	A9B10038537	B&J	/38.4	1	
99	+A21.801-K9	9708/2S35	End stop reinforced	A9B00083081	Wieland	/38.6	1	
100	+A21.801-K9	MY4N-CR220/240AC(S)	MY4N-CR220/240AC(S)		Omron	/38.6	1	
101	+A21.801-K9	SY4S02F1	Clamp f/4P relay	A9B10084497	Omron	/38.6	1	
102	+A21.801-K9	SY4S05C	Socket f/4P relay	A9B00017400	Izumi	/38.6	1	
103	+A21.801-K10	G2R-1-SND-24DC	Relay 1P 24VDC w/LED+Diode	A9B00017418	Omron	/39.3	1	
104	+A21.801-K10	P2RF-05E	Socket f/G2R-1	A9B00017968	Omron	/39.3	1	
105	+A21.801-K10	RJ1S-CLD-D24	Relay 1P 24DC 12A W/Led+diode		Idec	/39.3	-	
106	+A21.801-K10	SJ1S-07L	Socket f/1P Relay		Idec	/39.3	-	
107	+A21.801-K12	G2R-1-SND-24DC	Relay 1P 24VDC w/LED+Diode	A9B00017418	Omron	/41.4	1	
108	+A21.801-K12	P2RF-05E	Socket f/G2R-1	A9B00017968	Omron	/41.4	1	
109	+A21.801-K12	RJ1S-CLD-D24	Relay 1P 24DC 12A W/Led+diode		Idec	/41.4	-	
110	+A21.801-K12	SJ1S-07L	Socket f/1P Relay		Idec	/41.4	-	
111	+A21.801-K13	NOT_KK_DEL	Not delivered by kk		VARIOUS	/42.2	1	
112	+A21.801-K14	9708/2S35	End stop reinforced	A9B00083081	Wieland	/43.2	1	
113	+A21.801-K14	MY4N-D2-24DC	Relay 4P 24VDC w/cross/L	A9B00019259	Omron	/43.2	1	
114	+A21.801-K14	SY4S02F1	Clamp f/4P relay	A9B10084497	Omron	/43.2	1	
115	+A21.801-K14	SY4S05C	Socket f/4P relay	A9B00017400	Izumi	/43.2	1	
116	+A21.801-K15	9708/2S35	End stop reinforced	A9B00083081	Wieland	/43.3	1	
117	+A21.801-K15	MY4N-D2-24DC	Relay 4P 24VDC w/cross/L	A9B00019259	Omron	/43.3	1	
118	+A21.801-K15	SY4S02F1	Clamp f/4P relay	A9B10084497	Omron	/43.3	1	
119	+A21.801-K15	SY4S05C	Socket f/4P relay	A9B00017400	Izumi	/43.3	1	
120	+A21.801-K16	G2R-2-SND-24DC	Relay 2P 24VDC w/LED+Diode	A9B00017424	Omron	/45.2	1	
121	+A21.801-K16	P2RF-08-E	Socket f/G2R-2	A9B00017969	Omron	/45.2	1	
122	+A21.801-K16	RJ2S-CLD-D24	Relay 2P 24DC 8A w/Led+Diode		Idec	/45.2	-	
123	+A21.801-K16	SJ2S-07L	Socket f/2P Relay		Idec	/45.2	-	
124	+A21.801-K17	G2R-2-SND-24DC	Relay 2P 24VDC w/LED+Diode	A9B00017424	Omron	/45.3	1	
125	+A21.801-K17	P2RF-08-E	Socket f/G2R-2	A9B00017969	Omron	/45.3	1	
126	+A21.801-K17	RJ2S-CLD-D24	Relay 2P 24DC 8A w/Led+Diode		Idec	/45.3	-	
127	+A21.801-K17	SJ2S-07L	Socket f/2P Relay		Idec	/45.3	-	
128	+A21.801-K18	G2R-2-SND-24DC	Relay 2P 24VDC w/LED+Diode	A9B00017424	Omron	/45.6	1	
129	+A21.801-K18	P2RF-08-E	Socket f/G2R-2	A9B00017969	Omron	/45.6	1	
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+A21/C-2				The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A21/C-4

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	Component name	Part number	Description	SWP no.	Manufacturer	Ref.	Qty.	
130	+A21.801-K18	RJ2S-CLD-D24	Relay 2P 24DC 8A w/Led+Diode		Idec	/45.6	-	
131	+A21.801-K18	SJ2S-07L	Socket f/2P Relay		Idec	/45.6	-	
132	+A21.801-K19	G2R-2-SND-24DC	Relay 2P 24VDC w/LED+Diode	A9B00017424	Omron	/45.7	1	
133	+A21.801-K19	P2RF-08-E	Socket f/G2R-2	A9B00017969	Omron	/45.7	1	
134	+A21.801-K19	RJ2S-CLD-D24	Relay 2P 24DC 8A w/Led+Diode		Idec	/45.7	-	
135	+A21.801-K19	SJ2S-07L	Socket f/2P Relay		Idec	/45.7	-	
136	+A21.801-K20	G2R-2-SND-24DC	Relay 2P 24VDC w/LED+Diode	A9B00017424	Omron	/46.2	1	
137	+A21.801-K20	P2RF-08-E	Socket f/G2R-2	A9B00017969	Omron	/46.2	1	
138	+A21.801-K20	RJ2S-CLD-D24	Relay 2P 24DC 8A w/Led+Diode		Idec	/46.2	-	
139	+A21.801-K20	SJ2S-07L	Socket f/2P Relay		Idec	/46.2	-	
140	+A21.801-K21	G2R-2-SND-24DC	Relay 2P 24VDC w/LED+Diode	A9B00017424	Omron	/46.3	1	
141	+A21.801-K21	P2RF-08-E	Socket f/G2R-2	A9B00017969	Omron	/46.3	1	
142	+A21.801-K21	RJ2S-CLD-D24	Relay 2P 24DC 8A w/Led+Diode		Idec	/46.3	-	
143	+A21.801-K21	SJ2S-07L	Socket f/2P Relay		Idec	/46.3	-	
144	+A21.801-K22	G2R-2-SND-24DC	Relay 2P 24VDC w/LED+Diode	A9B00017424	Omron	/46.4	1	
145	+A21.801-K22	P2RF-08-E	Socket f/G2R-2	A9B00017969	Omron	/46.4	1	
146	+A21.801-K22	RJ2S-CLD-D24	Relay 2P 24DC 8A w/Led+Diode		Idec	/46.4	-	
147	+A21.801-K22	SJ2S-07L	Socket f/2P Relay		Idec	/46.4	-	
148	+A21.801-K23	G2R-1-SND-24DC	Relay 1P 24VDC w/LED+Diode	A9B00017418	Omron	/47.1	1	
149	+A21.801-K23	P2RF-05E	Socket f/G2R-1	A9B00017968	Omron	/47.1	1	
150	+A21.801-K23	RJ1S-CLD-D24	Relay 1P 24DC 12A W/Led+diode		Idec	/47.1	-	
151	+A21.801-K23	SJ1S-07L	Socket f/1P Relay		Idec	/47.1	-	
152	+A21.801-K24	G2R-2-SND-24DC	Relay 2P 24VDC w/LED+Diode	A9B00017424	Omron	/47.3	1	
153	+A21.801-K24	P2RF-08-E	Socket f/G2R-2	A9B00017969	Omron	/47.3	1	
154	+A21.801-K24	RJ2S-CLD-D24	Relay 2P 24DC 8A w/Led+Diode		Idec	/47.3	-	
155	+A21.801-K24	SJ2S-07L	Socket f/2P Relay		Idec	/47.3	-	
156	+A21.801-K25	G2R-1-SND-24DC	Relay 1P 24VDC w/LED+Diode	A9B00017418	Omron	/49.1	1	
157	+A21.801-K25	P2RF-05E	Socket f/G2R-1	A9B00017968	Omron	/49.1	1	
158	+A21.801-K25	RJ1S-CLD-D24	Relay 1P 24DC 12A W/Led+diode		Idec	/49.1	-	
159	+A21.801-K25	SJ1S-07L	Socket f/1P Relay		Idec	/49.1	-	
160	+A21.801-K26	G2R-1-SND-24DC	Relay 1P 24VDC w/LED+Diode	A9B00017418	Omron	/49.3	1	
161	+A21.801-K26	P2RF-05E	Socket f/G2R-1	A9B00017968	Omron	/49.3	1	
162	+A21.801-K26	RJ1S-CLD-D24	Relay 1P 24DC 12A W/Led+diode		Idec	/49.3	-	
163	+A21.801-K26	SJ1S-07L	Socket f/1P Relay		Idec	/49.3	-	
164	+A21.801-K27	G2R-1-SND-24DC	Relay 1P 24VDC w/LED+Diode	A9B00017418	Omron	/49.4	1	
165	+A21.801-K27	P2RF-05E	Socket f/G2R-1	A9B00017968	Omron	/49.4	1	
166	+A21.801-K27	RJ1S-CLD-D24	Relay 1P 24DC 12A W/Led+diode		Idec	/49.4	-	
167	+A21.801-K27	SJ1S-07L	Socket f/1P Relay		Idec	/49.4	-	
168	+A21.801-K28	G2R-2-SND-24DC	Relay 2P 24VDC w/LED+Diode	A9B00017424	Omron	/50.2	1	
169	+A21.801-K28	P2RF-08-E	Socket f/G2R-2	A9B00017969	Omron	/50.2	1	
170	+A21.801-K28	RJ2S-CLD-D24	Relay 2P 24DC 8A w/Led+Diode		Idec	/50.2	-	
171	+A21.801-K28	SJ2S-07L	Socket f/2P Relay		Idec	/50.2	-	
172	+A21.801-K29	G2R-2-SND-24DC	Relay 2P 24VDC w/LED+Diode	A9B00017424	Omron	/50.3	1	
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+A21/C-3				The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A21/C-5

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	Component name	Part number	Description	SWP no.	Manufacturer	Ref.	Qty.	
173	+A21.801-K29	P2RF-08-E	Socket f/G2R-2	A9B00017969	Omron	/50.3	1	
174	+A21.801-K29	RJ2S-CLD-D24	Relay 2P 24DC 8A w/Led+Diode		Idec	/50.3	-	
175	+A21.801-K29	SJ2S-07L	Socket f/2P Relay		Idec	/50.3	-	
176	+A21.801-R1	9708/2S35	End stop reinforced	A9B00083081	Wieland	/43.1	1	
177	+A21.801-R1	V356-1	WTC-3 dummyload 2X270R		KK-electronic	/43.1	1	
178	+A21.801-R2	249-116	End stop f/TS-35 rail	200969	Wago	/45.1	1	
179	+A21.801-R2	V356-1	WTC-3 dummyload 2X270R		KK-electronic	/45.1	1	
180	+A21.801-R3	249-116	End stop f/TS-35 rail	200969	Wago	/45.5	1	
181	+A21.801-R3	V356-1	WTC-3 dummyload 2X270R		KK-electronic	/45.5	1	
182	+A21.801-R4	249-116	End stop f/TS-35 rail	200969	Wago	/46.1	1	
183	+A21.801-R4	V356-1	WTC-3 dummyload 2X270R		KK-electronic	/46.1	1	
184	+A21.801-R5	249-116	End stop f/TS-35 rail	200969	Wago	/50.1	1	
185	+A21.801-R5	9708/2S35	End stop reinforced	A9B00083081	Wieland	/50.1	1	
186	+A21.801-R5	V356-1	WTC-3 dummyload 2X270R		KK-electronic	/50.1	1	
187	+A21.801-W1	05990120	Cable 2X1 Lihch Datax	A9B00030554	Draka	/36.1	1	
188	+A21.801-W2	05990122	Cable 3X1 Lihch Datax	A9B00019727	Draka	/41.1	1	
189	+A21.801-W3	05990122	Cable 3X1 Lihch Datax	A9B00019727	Draka	/41.6	1	
190	+A21.801-W4	NOT_KK_DEL	Not delivered by kk		VARIOUS	/43.4	1	
191	+A21.801-W5	NOT_KK_DEL	Not delivered by kk		VARIOUS	/43.6	1	
192	+A21.801-W6	NOT_KK_DEL	Not delivered by kk		VARIOUS	/43.8	1	
193	+A21.801-W7	NOT_KK_DEL	Not delivered by kk		VARIOUS	/44.1	1	
194	+A21.801-W8	05990052	Cable 3X0.25 Lihch Datax	A9B00019686	Draka	/44.3	1	
195	+A21.801-W9	05990052	Cable 3X0.25 Lihch Datax	A9B00019686	Draka	/44.5	1	
196	+A21.801-W10	05990052	Cable 3X0.25 Lihch Datax	A9B00019686	Draka	/44.7	1	
197	+A21.801-W11	NOT_KK_DEL	Not delivered by kk		VARIOUS	/46.6	1	
198	+A21.801-W12	05990127	Cable 7X1 Lihch Datax	19746	Draka	/47.6	1	
199	+A21.801-W13	05990029	Cable 5G1.5 Lihh Datax		Draka	/48.1	-	
200	+A21.801-W14	05990040	Cable 3G1 Lihch Datax		Draka	/48.5	1	
201	+A21.801-W102	NOT_KK_DEL	Not delivered by kk		VARIOUS	/42.1	1	
202	+A21.801-X1	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/36.1	1	
203	+A21.801-X1	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/36.1	1	
204	+A21.801-X2	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/41.1	1	
205	+A21.801-X2	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/41.1	1	
206	+A21.801-X3	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/41.6	1	
207	+A21.801-X3	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/41.7	1	
208	+A21.801-X4	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/43.5	1	
209	+A21.801-X4	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/43.5	1	
210	+A21.801-X5	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/43.7	1	
211	+A21.801-X5	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/43.7	1	
212	+A21.801-X6	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/43.8	3	
213	+A21.801-X6	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/43.8	1	
214	+A21.801-X7	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/44.1	1	
215	+A21.801-X7	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/44.2	1	
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		2014-05-28			COMPONENTS LIST		+A21	
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+A21/C-4				The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A21/C-6

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	Component name	Part number	Description	SWP no.	Manufacturer	Ref.	Qty.		
216	+A21.801-X8	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/44.3	1		
217	+A21.801-X8	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/44.4	1		
218	+A21.801-X9	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/44.5	1		
219	+A21.801-X9	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/44.6	1		
220	+A21.801-X10	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/44.7	1		
221	+A21.801-X10	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/44.8	1		
222	+A21.801-X11	2002-402	Push-in Jumper Bars 2-way		Wago	/L-36.6	1		
223	+A21.801-X11	2002-433	Push-in type jumper bar 2-way		Wago	/L-36.6	3		
224	+A21.801-X11	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/46.6	5		
225	+A21.801-X11	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/46.9	1		
226	+A21.801-X11	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/46.9	1		
227	+A21.801-X12	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/47.6	2		
228	+A21.801-X12	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/47.8	1		
229	+A21.801-X12	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/47.9	1		
230	+A21.801-X13	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/48.1	1		
231	+A21.801-X13	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/48.2	1		
232	+A21.801-X13	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/48.2	1		
233	+A21.801-X14	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/48.5	1		
234	+A21.801-X14	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/48.6	1		
235	+A21.801-X15	LI38000A010	UPS Interface Card VFC LIEBERT US11-S	A9B10073294	Emerson	/39.6	1		
236	+A21.801-X16	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/52.1	2		
237	+A21.801-X16	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/52.2	1		
238	+A21.801-X16	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/52.3	1		
239	+A21.801-X101	282-386	End barrier 6mm2		Wago	/6.5	1		
240	+A21.801-X101	282-860	Terminal point 6mm2		Wago	/6.4	4		
241	+A21.801-X101	282-884	Blocking cap 4P		Wago	/6.5	1		
242	+A21.801-X101	2009-198	Adaptor for strip marking		Wago	/6.5	1		
243	+A21.801-X101	9708/2S35	End stop reinforced	A9B00083081	Wieland	/6.5	1		
244	+A21.801-X102	9708/2S35	End stop reinforced	A9B00083081	Wieland	/42.1	2		
245	+A21.801-X102	04285	Plug box German 2P+E 666499	A9B10033958	SCHUKO	/42.1	1		
246	+A21.802-B2	9708/2S35	End stop reinforced	A9B00083081	Wieland	/28.3	1		
247	+A21.802-B2	01131.0-01	Thermostat ETR011 -20-+60grC 230VAC	A9B10043151	Stego	/28.3	1		
248	+A21.802-B3	KTS01147.9-00	Thermostat 0-60C NO	A9B00017535	Stego	/53.3	1		
249	+A21.802-B4	9708/2S35	End stop reinforced	A9B00083081	Wieland	/53.5	1		
250	+A21.802-B4	KTO01146.9-00	Thermostat 0-60C NC,	A9B00017335	Stego	/53.5	1		
251	+A21.802-E1	03051.0-07	Heating element 230VAC 950W w/ fan		Stego	/28.3	1		
252	+A21.802-E9	NOT_KK_DEL	Not delivered by kk		VARIOUS	/9.3	1		
253	+A21.802-F1	9708/2S35	End stop reinforced	A9B00083081	Wieland	/8.4	1		
254	+A21.802-F1	MS132-25	Manual Motor Starter 25A		ABB	/8.3	1		
255	+A21.802-F4	MS132-32	Manual Motor Starter 32A		ABB	/2.4	1		
256	+A21.802-F9	HKF1-11	Contact block 1NO+1NC HKF-11		ABB	/33.7	1		
257	+A21.802-F9	MS132-6.3	Manual motor starter 6.3A		ABB	/9.3	1		
258	+A21.802-F9	PS1-3-0-65	Busbar loop for MS132 65A		ABB	/L-13.6	1		
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	Component name	Part number	Description	SWP no.	Manufacturer	Ref.	Qty.	
259	+A21.802-F10	HKF1-11	Contact block 1NO+1NC HKF-11		ABB	/10.8	1	
260	+A21.802-F10	MS132-4.0	Manual Motor Starter 4.0A		ABB	/10.3	1	
261	+A21.802-F10.1	TF42-3.1	Thermal relay electr. 2.3 - 3.1A		ABB	/10.3	1	
262	+A21.802-G1	PF42500-230V	Filter fan RAL 7035		Pfannenber	/53.3	1	
263	+A21.802-G1	PF7000230AC	Fan 230V	A9B00018178	Pfannenber	/53.3	1	
264	+A21.802-K1	G2R-1-SN-230AC	Relay 1P 230VAC w/LED	A9B00017405	Omron	/53.1	1	
265	+A21.802-K1	P2RF-05E	Socket f/G2R-1	A9B00017968	Omron	/53.1	1	
266	+A21.802-K1	RJ1S-CL-A230	Relay 1P 230AC 12A w/LED		Idec	/53.1	1	
267	+A21.802-K1	SJ1S-07L	Socket f/1P Relay		Idec	/53.1	1	
268	+A21.802-K1.F1	RC-LED-3	RC-coupl.0.1UF/100R FLU/bushes FLU/Endferrules	A9B00017533	VARIOUS	/53.1	1	
269	+A21.802-M10	NOT_KK_DEL	Not delivered by kk		VARIOUS	/10.3	1	
270	+A21.802-Q1	AF38-30-00-13	Contacto		ABB	/8.6	1	
271	+A21.802-Q1.F1	RC-LED-3	RC-coupl.0.1UF/100R FLU/bushes FLU/Endferrules	A9B00017533	VARIOUS	/8.6	1	
272	+A21.802-Q9	AF12-30-10-13	Contacto	A9B10074542	ABB	/9.6	1	
273	+A21.802-Q9.F1	RC-LED-3	RC-coupl.0.1UF/100R FLU/bushes FLU/Endferrules	A9B00017533	VARIOUS	/9.6	1	
274	+A21.802-Q10	AF12-30-10-13	Contacto	A9B10074542	ABB	/10.6	1	
275	+A21.802-Q10.F1	RC-LED-3	RC-coupl.0.1UF/100R FLU/bushes FLU/Endferrules	A9B00017533	VARIOUS	/10.6	1	
276	+A21.802-W1	06050005	Cable 4G4 LS0H H07BN4-F	33338	Draka	/1.1	1	
277	+A21.802-W1	06050010	Cable 4G6 LS0H H07BN4-F	30629	Draka	/8.3	-	
278	+A21.802-W9	06040030	Cable 4G1.5 LS0H H07BN4-F T1000	30903	Draka	/9.3	-	
279	+A21.802-W10	06040030	Cable 4G1.5 LS0H H07BN4-F T1000	30903	Draka	/10.3	-	
280	+A21.802-X1	285-135	2-Conductor through terminal		Wago	/8.3	3	
281	+A21.802-X1	285-137	2-Conductor earth terminal		Wago	/8.3	1	
282	+A21.802-X9	209-190	Separating wall 3mm		Wago	/9.4	4	
283	+A21.802-X9	2002-121	Protective Warning Marker		Wago	/9.4	1	
284	+A21.802-X9	2002-2201/0057-0000	2-conductor 2.5-4mm2 Through Terminal Block UL 1000V		Wago	/9.3	3	
285	+A21.802-X9	2002-2237	Double deck terminal block		Wago	/9.3	1	
286	+A21.802-X10	209-190	Separating wall 3mm		Wago	/10.4	5	
287	+A21.802-X10	2002-121	Protective Warning Marker		Wago	/10.4	1	
288	+A21.802-X10	2002-2201/0057-0000	2-conductor 2.5-4mm2 Through Terminal Block UL 1000V		Wago	/10.3	3	
289	+A21.802-X10	2002-2237	Double deck terminal block		Wago	/10.3	1	
290	+A21.803-B1	NOT_KK_DEL	Not delivered by kk		VARIOUS	/55.1	1	
291	+A21.803-B2	NOT_KK_DEL	Not delivered by kk		VARIOUS	/55.3	1	
292	+A21.803-B3	0687900000	Bracket f.TS35 Dinrail M4 FM4/TS35		Weidmüller	/55.6	1	
293	+A21.803-B3	1692261001	Clamp for Shield KLBÜ 3-8 SC		Weidmüller	/55.6	1	
294	+A21.803-B3	PS01099-2	Sensor PT100 2M Ø6x60mm		Senmatic	/55.5	1	
295	+A21.803-B4	HSR16RH	Moisture sensor with long immersion tube	A9B00082092	Comac	/55.7	-	
296	+A21.803-B5	NOT_KK_DEL	Not delivered by kk		VARIOUS	/55.8	1	
297	+A21.803-K1	249-116	End stop f/TS-35 rail	200969	Wago	/54.1	1	
298	+A21.803-K1	R20-20-230V	Installation contactor 2NO	A9B10038537	B&J	/54.2	1	
299	+A21.803-M1	NOT_KK_DEL	Not delivered by kk		VARIOUS	/24.8	1	
300	+A21.803-W1	05990052	Cable 3X0.25 Lihch Datax	A9B00019686	Draka	/55.1	1	
301	+A21.803-W2	05990052	Cable 3X0.25 Lihch Datax	A9B00019686	Draka	/55.3	1	
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		2014-05-28			COMPONENTS LIST		+A21	
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Components list

	Component name	Part number	Description	SWP no.	Manufacturer	Ref.	Qty.
302	+A21.803-W4	DEL_W_COMP	Delivered with component		VARIOUS	/55.6	1
303	+A21.803-W5	DEL_W_COMP	Delivered with component		VARIOUS	/55.8	1
304	+A21.803-W103	DEL_W_COMP	Delivered with component		VARIOUS	/55.5	1
305	+A21.803-X1	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/55.1	1
306	+A21.803-X1	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/55.1	1
307	+A21.803-X2	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/55.3	1
308	+A21.803-X2	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/55.3	1
309	+A21.803-X4	2002-2231	Double deck terminal block	A9B10077638	Wago	/55.7	1
310	+A21.803-X4	2002-2292	End and intermediate plate		Wago	/55.6	1
311	+A21.803-X4	9708/2S35	End stop reinforced	A9B00083081	Wieland	/55.6	1
312	+A21.804-F1	HKF1-11	Contact block 1NO+1NC HKF-11		ABB	/11.5	1
313	+A21.804-F1	MS132-2.5	Manual motor starter		ABB	/11.2	1
314	+A21.804-M1	NOT_KK_DEL	Not delivered by kk		VARIOUS	/11.2	1
315	+A21.804-W1	06040030	Cable 4G1.5 LS0H H07BN4-F T1000	30903	Draka	/11.2	1
316	+A21.804-X1	209-190	Separating wall 3mm		Wago	/11.2	4
317	+A21.804-X1	2002-121	Protective Warning Marker		Wago	/11.3	1
318	+A21.804-X1	2002-2201/0057-0000	2-conductor 2.5-4mm2 Through Terminal Block UL 1000V		Wago	/11.2	3
319	+A21.804-X1	2002-2237	Double deck terminal block		Wago	/11.2	1
320	+A21.808-B1	04645	Detector Smoke Optical S65, 55000-317	A9B00083161	VARIOUS	/56.1	-
321	+A21.808-B1	45681-245	Socket f/detector w/relay S65 (05700 former 05705)	A9B00083162	VARIOUS	/56.2	-
322	+A21.808-B2	04645	Detector Smoke Optical S65, 55000-317	A9B00083161	VARIOUS	/56.6	-
323	+A21.808-B2	45681-245	Socket f/detector w/relay S65 (05700 former 05705)	A9B00083162	VARIOUS	/56.6	-
324	+A21.808-B3	04645	Detector Smoke Optical S65, 55000-317	A9B00083161	VARIOUS	/56.8	-
325	+A21.808-B3	45681-245	Socket f/detector w/relay S65 (05700 former 05705)	A9B00083162	VARIOUS	/56.9	-
326	+A21.808-B4	04645	Detector Smoke Optical S65, 55000-317	A9B00083161	VARIOUS	/57.1	-
327	+A21.808-B4	45681-245	Socket f/detector w/relay S65 (05700 former 05705)	A9B00083162	VARIOUS	/57.2	-
328	+A21.808-B5	NOT_KK_DEL	Not delivered by kk		VARIOUS	/58.3	1
329	+A21.808-B7	04645	Detector Smoke Optical S65, 55000-317	A9B00083161	VARIOUS	/57.5	1
330	+A21.808-B7	45681-245	Socket f/detector w/relay S65 (05700 former 05705)	A9B00083162	VARIOUS	/57.5	1
331	+A21.808-K1	G2R-2-SND-24DC	Relay 2P 24VDC w/LED+Diode	A9B00017424	Omron	/58.1	1
332	+A21.808-K1	P2RF-08-E	Socket f/G2R-2	A9B00017969	Omron	/58.1	1
333	+A21.808-K1	RJ2S-CLD-D24	Relay 2P 24DC 8A w/Led+Diode		Idec	/58.1	-
334	+A21.808-K1	SJ2S-07L	Socket f/2P Relay		Idec	/58.1	-
335	+A21.808-K2	G2R-2-SND-24DC	Relay 2P 24VDC w/LED+Diode	A9B00017424	Omron	/58.9	1
336	+A21.808-K2	P2RF-08-E	Socket f/G2R-2	A9B00017969	Omron	/58.9	1
337	+A21.808-K2	RJ2S-CLD-D24	Relay 2P 24DC 8A w/Led+Diode		Idec	/58.9	-
338	+A21.808-K2	SJ2S-07L	Socket f/2P Relay		Idec	/58.9	-
339	+A21.808-Q1	AF30-30-00-13	Contactactor 3P 30A 100-250V AC/DC Pz2		ABB	/7.5	1
340	+A21.808-Q1	CA4-01	Contact block 1B		ABB	/7.8	1
341	+A21.808-Q1	CA4-10	Contact Block 1NO for AF		ABB	/7.7	1
342	+A21.808-Q1.F1	RC-LED-3	RC-coupl.0.1UF/100R FLU/bushes FLU/Endferrules	A9B00017533	VARIOUS	/7.5	1
343	+A21.808-Q2	AF30-30-00-13	Contactactor 3P 30A 100-250V AC/DC Pz2		ABB	/7.7	1
344	+A21.808-Q2	CA4-01	Contact block 1B		ABB	/7.8	1



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Components list

	Component name	Part number	Description	SWP no.	Manufacturer	Ref.	Qty.		
345	+A21.808-Q2.F1	RC-LED-3	RC-coupl.0.1UF/100R FLU/bushes FLU/Endferrules	A9B00017533	VARIOUS	/7.7	1		
346	+A21.808-S1	ZB4BS844	Emergency stop buttom red Ø40 EN418	A9B00017785	Telemecanique	/59.1	1		
347	+A21.808-S1	ZB4BZ104	Aux.contact 2B	A9B00017344	Telemecanique	/59.1	1		
348	+A21.808-W1	05990122	Cable 3X1 Lihch Datax	A9B00019727	Draka	/56.1	1		
349	+A21.808-W2	05990122	Cable 3X1 Lihch Datax	A9B00019727	Draka	/56.5	1		
350	+A21.808-W3	05990122	Cable 3X1 Lihch Datax	A9B00019727	Draka	/56.8	1		
351	+A21.808-W4	05990122	Cable 3X1 Lihch Datax	A9B00019727	Draka	/57.1	1		
352	+A21.808-W5	05990120	Cable 2X1 Lihch Datax	A9B00030554	Draka	/58.3	1		
353	+A21.808-W6	05990122	Cable 3X1 Lihch Datax	A9B00019727	Draka	/58.5	1		
354	+A21.808-W7	05990124	Cable 4X1 Lihch Datax	A9B00030116	Draka	/58.7	1		
355	+A21.808-W8	05990145	Cable 2X1.5 Lihch Datax	30563	Draka	/59.1	1		
356	+A21.808-W9	05990145	Cable 2X1.5 Lihch Datax	30563	Draka	/59.3	1		
357	+A21.808-X1	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/56.1	1		
358	+A21.808-X1	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/56.1	1		
359	+A21.808-X2	2002-403	Push-in type jumper bar 3-way		Wago	/L-37.1	2		
360	+A21.808-X2	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/56.5	1		
361	+A21.808-X2	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/56.6	1		
362	+A21.808-X3	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/56.8	1		
363	+A21.808-X3	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/56.8	1		
364	+A21.808-X4	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/57.1	1		
365	+A21.808-X4	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/57.1	1		
366	+A21.808-X5	2002-2231	Double deck terminal block	A9B10077638	Wago	/58.3	1		
367	+A21.808-X5	2002-2292	End and intermediate plate		Wago	/58.4	1		
368	+A21.808-X6	2002-2231	Double deck terminal block	A9B10077638	Wago	/58.5	2		
369	+A21.808-X6	2002-2292	End and intermediate plate		Wago	/58.6	1		
370	+A21.808-X7	2002-2231	Double deck terminal block	A9B10077638	Wago	/58.7	2		
371	+A21.808-X7	2002-2292	End and intermediate plate		Wago	/58.8	1		
372	+A21.808-X8	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/59.1	1		
373	+A21.808-X8	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/59.1	1		
374	+A21.808-X9	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/59.3	1		
375	+A21.808-X9	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/59.3	1		
376	+A21.808-X10	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/57.8	1		
377	+A21.808-X10	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/57.8	1		
378	+A21.809-C1	8-G12V16AH10EP	Batt. Pack Cold Climate (black cables)	A9B10011190	VARIOUS	/37.3	1		
379	+A21.809-C2	8-G12V16AH10EP	Batt. Pack Cold Climate (black cables)	A9B10011190	VARIOUS	/37.3	-		
380	+A21.809-F2.1	9708/2S35	End stop reinforced	A9B00083081	Wieland	/2.0	1		
381	+A21.809-F2.1	S803W-SCL100-SR	Self-resetting short-circuit limiter UL		ABB	/2.1	1		
382	+A21.809-F2.2	9708/2S35	End stop reinforced	A9B00083081	Wieland	/2.1	1		
383	+A21.809-F2.2	S803W-SCL100-SR	Self-resetting short-circuit limiter UL		ABB	/2.1	1		
384	+A21.809-F4	MS132-1.6	Manual Motor Starter 1.6A		ABB	/6.1	1		
385	+A21.809-F5	9708/2S35	End stop reinforced	A9B00083081	Wieland	/3.2	1		
386	+A21.809-F5	MS132-25	Manual Motor Starter 25A		ABB	/3.3	1		
387	+A21.809-F5	PS1-2-0-65	Busbar loop for MS132 65A		ABB	/L-13.3	1		
 kk-electronic a/s	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL	Page Content		=V304002		
		2014-05-28			COMPONENTS LIST		+A21		
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+A21/C-8				The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.					
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	Component name	Part number	Description	SWP no.	Manufacturer	Ref.	Qty.	
388	+A21.809-F7	MS132-6.3	Manual motor starter 6.3A		ABB	/4.1	1	
389	+A21.809-F8	9708/2S35	End stop reinforced	A9B00083081	Wieland	/4.2	1	
390	+A21.809-F8	MS132-20	Manual motor starter 20A		ABB	/4.3	1	
391	+A21.809-F8	PS1-5-0-65	Busbar loop for MS132 65A		ABB	/L-12.3	1	
392	+A21.809-F9	9708/2S35	End stop reinforced	A9B00083081	Wieland	/4.4	1	
393	+A21.809-F9	MS132-16	Manual Motor Starter 16A		ABB	/4.5	1	
394	+A21.809-F10	F204A-40/0.03	HPFI Relay 40A 0.03A 4P		ABB	/23.1	1	
395	+A21.809-F11	S202U-C16	MCB 240V 2P 16A C-curv, UL489		ABB	/23.1	1	
396	+A21.809-F12	F204A-40/0.03	HPFI Relay 40A 0.03A 4P		ABB	/23.6	1	
397	+A21.809-F13	S201U-C10	MCB 240V 1P 10A C-curv, UL489		ABB	/23.6	1	
398	+A21.809-F14	I0204ML1125	2P Sokket 125A for GFCI 5mA		Siemens	/5.7	1	
399	+A21.809-F14	QF120	Breaker 20A 1P 120/240V 10K QPF GFCI 5mA	A9B10075964	Siemens	/5.7	1	
400	+A21.809-F15	F204A-40/0.03	HPFI Relay 40A 0.03A 4P		ABB	/24.2	1	
401	+A21.809-F16	S201U-C2	MCB 240V 1P 2A C-curv, UL489		ABB	/24.2	1	
402	+A21.809-F17	F204A-40/0.03	HPFI Relay 40A 0.03A 4P		ABB	/24.6	1	
403	+A21.809-F18	S201U-C2	MCB 240V 1P 2A C-curv, UL489		ABB	/24.6	1	
404	+A21.809-F20	S201U-C16	MCB 240V 1P 16A C-curv, UL489		ABB	/24.8	1	
405	+A21.809-F21	S201U-C2	MCB 240V 1P 2A C-curv, UL489		ABB	/25.1	1	
406	+A21.809-F22	S202U-C16	MCB 240V 2P 16A C-curv, UL489		ABB	/64.1	1	
407	+A21.809-F23	S201U-C16	MCB 240V 1P 16A C-curv, UL489		ABB	/3.1	1	
408	+A21.809-F24	S201U-C16	MCB 240V 1P 16A C-curv, UL489		ABB	/5.6	1	
409	+A21.809-F25	S201U-C10	MCB 240V 1P 10A C-curv, UL489		ABB	/51.1	1	
410	+A21.809-F26	S201U-C6	MCB 240V 1P 6A C-curv, UL489		ABB	/51.3	1	
411	+A21.809-F30.C1	9708/2S35	End stop reinforced	A9B00083081	Wieland	/37.2	1	
412	+A21.809-F30.C1	S202UDC-K32	Circuit breaker 2P 32A K		ABB	/37.3	1	
413	+A21.809-F30.C2	9708/2S35	End stop reinforced	A9B00083081	Wieland	/37.6	1	
414	+A21.809-F30.C2	S202UDC-K32	Circuit breaker 2P 32A K		ABB	/37.7	1	
415	+A21.809-F30.X1	2010-115	Protective Warning Marker		Wago	/L-18.7	6	
416	+A21.809-F30.X1	2010-402	Push-in type jumper bars 2-way 10-16mm2		Wago	/L-18.7	1	
417	+A21.809-F30.X1	2010-1301	3-Conductor through terminal		Wago	/37.4	2	
418	+A21.809-F30.X1	2010-1307	3-Conductor earth terminal		Wago	/37.4	1	
419	+A21.809-F30.X1	2010-1392	End and intermediate plate		Wago	/37.4	1	
420	+A21.809-F30.X1	9708/2S35	End stop reinforced	A9B00083081	Wieland	/37.4	1	
421	+A21.809-F30.X2	2010-115	Protective Warning Marker		Wago	/L-18.2	6	
422	+A21.809-F30.X2	2010-402	Push-in type jumper bars 2-way 10-16mm2		Wago	/L-18.2	1	
423	+A21.809-F30.X2	2010-1301	3-Conductor through terminal		Wago	/37.8	2	
424	+A21.809-F30.X2	2010-1307	3-Conductor earth terminal		Wago	/37.8	1	
425	+A21.809-F30.X2	2010-1392	End and intermediate plate		Wago	/37.7	1	
426	+A21.809-F30.X2	9708/2S35	End stop reinforced	A9B00083081	Wieland	/37.7	1	
427	+A21.809-F40	DB25	Separate holder	A9B00053275	ABB	/27.1	-	
428	+A21.809-F40	MS132-6.3	Manual motor starter 6.3A		ABB	/27.1	1	
429	+A21.809-F40.1	TA25DU6.50A	Thermal relay 4.50-6.50A	A9B00017554	ABB	/27.1	-	
430	+A21.809-F41	24311	Circuit breaker 1P 16A C60N/C	A9B00018157	Merlin Gerin	/27.3	-	
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		2014-05-28			COMPONENTS LIST		+A21	
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+A21/C-9				The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A21/C-11

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	Component name	Part number	Description	SWP no.	Manufacturer	Ref.	Qty.			
431	+A21.809-G1	LI34100BR30	UPS 3000VA 230V 19" LIEBERT US11-S	A9B10074624	Emerson	/37.1	1			
432	+A21.809-K1	G2R-1-SN-230AC	Relay 1P 230VAC w/LED	A9B00017405	Omron	/25.2	1			
433	+A21.809-K1	P2RF-05E	Socket f/G2R-1	A9B00017968	Omron	/25.2	1			
434	+A21.809-K1	RJ1S-CL-A230	Relay 1P 230AC 12A w/LED		Idec	/25.2	-			
435	+A21.809-K1	SJ1S-07L	Socket f/1P Relay		Idec	/25.2	-			
436	+A21.809-K1.F1	RC-LED-3	RC-coupl.0.1UF/100R FLU/bushes FLU/Endferrules	A9B00017533	VARIOUS	/25.3	1			
437	+A21.809-K2	G2R-1-SN-230AC	Relay 1P 230VAC w/LED	A9B00017405	Omron	/60.4	1			
438	+A21.809-K2	P2RF-05E	Socket f/G2R-1	A9B00017968	Omron	/60.4	1			
439	+A21.809-K2	RJ1S-CL-A230	Relay 1P 230AC 12A w/LED		Idec	/60.4	-			
440	+A21.809-K2	SJ2S-07L	Socket f/2P Relay		Idec	/60.4	-			
441	+A21.809-K2.F1	RC-LED-3	RC-coupl.0.1UF/100R FLU/bushes FLU/Endferrules	A9B00017533	VARIOUS	/60.5	1			
442	+A21.809-K3	ES12-200-8..230V UC	Impulse relay, Electronic 2NO, 8-230VUC		Eltako	/25.4	1			
443	+A21.809-K4	20.22.8.230.4000	Bistabil relay 2P 230V	A9B10070830	Finder	/24.4	1			
444	+A21.809-K5	G2R-2-SN-230AC	Relay 2P 230VAC w/LED	A9B00017404	Omron	/24.5	1			
445	+A21.809-K5	P2RF-08-E	Socket f/G2R-2	A9B00017969	Omron	/24.5	1			
446	+A21.809-K5	RJ2S-CL-A230	Relay 2P 230AC 8A M/Led		Idec	/24.5	-			
447	+A21.809-K5	SJ2S-07L	Socket f/2P Relay		Idec	/24.5	-			
448	+A21.809-P1	44515075	Time switch talento 371mini	A9B10055938	GREASSLIN	/25.1	1			
449	+A21.809-Q1	OT200E03P	SW 3P 200A		ABB	/1.3	1			
450	+A21.809-S1	9708/2S35	End stop reinforced	A9B00083081	Wieland	/5.3	1			
451	+A21.809-S1	M10H-SMA-194K	Switch with key		Telux	/5.4	1			
452	+A21.809-S1.F1	B72220S0421K101	Varistor 420V RMS	A9B00017467	Epcos	/5.1	1			
453	+A21.809-S1.F2	B72220S0421K101	Varistor 420V RMS	A9B00017467	Epcos	/5.1	1			
454	+A21.809-S1.F3	B72220S0421K101	Varistor 420V RMS	A9B00017467	Epcos	/5.2	1			
455	+A21.809-S1.F4	B72220S0421K101	Varistor 420V RMS	A9B00017467	Epcos	/5.2	1			
456	+A21.809-S2	M10HEA1+SV1	Switch w/SV1 joint 1P 0-1 handle grey/black	A9B00202777	Telux	/63.3	1			
457	+A21.809-S3	9708/2S35	End stop reinforced	A9B00083081	Wieland	/37.0	2			
458	+A21.809-S3	M10H-SM-A2+SV1R	Swich 2P w/SV1R-SM		Telux	/37.1	1			
459	+A21.809-T1	1003567	Trafo 690V 100-110-120-127-220-230 + 55-0-55 7.4Kva 50/60HZ	A9B10057956	Noratel	/5.3	1			
460	+A21.809-T2	8-010-020022	Trafo 690/400 19KVA		Noratel	/3.5	1			
461	+A21.809-T2.F1	B72220S0421K101	Varistor 420V RMS	A9B00017467	Epcos	/3.1	1			
462	+A21.809-T2.F2	B72220S0421K101	Varistor 420V RMS	A9B00017467	Epcos	/3.1	1			
463	+A21.809-T2.F3	B72220S0421K101	Varistor 420V RMS	A9B00017467	Epcos	/3.2	1			
464	+A21.809-T3	KK124-150/50-D	Trafo 230/32V 530VA 50/60Hz	A9B10014550	KK-electronic	/64.1	1			
465	+A21.809-T4	249-116	End stop f/TS-35 rail	200969	Wago	/64.2	1			
466	+A21.809-T4	9708/2S35	End stop reinforced	A9B00083081	Wieland	/64.2	1			
467	+A21.809-T4	2866310	Power Supply 24DC 5A	A9B10043077	Phoenix	/64.2	1			
468	+A21.809-T4	S8VM-10024CD	Power supply 100-240/24 4.5A	A9B00052141	Omron	/64.2	-			
469	+A21.809-T5	9708/2S35	End stop reinforced	A9B00083081	Wieland	/64.4	1			
470	+A21.809-T5	2866310	Power Supply 24DC 5A	A9B10043077	Phoenix	/64.4	1			
471	+A21.809-T5	S8VM-10024CD	Power supply 100-240/24 4.5A	A9B00052141	Omron	/64.4	-			
472	+A21.809-T7	KK100-UI150/103-D	Trafo 690V/230V 50Hz 4000VA Double coated	A9B00080491	KK-electronic	/27.1	-			
473	+A21.809-T7.F1	B72220S0421K101	Varistor 420V RMS	A9B00017467	Epcos	/27.1	-			
 kk-electronic a/s	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL	Page Content		=V304002			
		2014-05-28			COMPONENTS LIST		+A21			
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+A21/C-10				The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.						
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	Component name	Part number	Description	SWP no.	Manufacturer	Ref.	Qty.	
474	+A21.809-W1	NOT_KK_DEL	Not delivered by kk		VARIOUS	/3.4	1	
475	+A21.809-W3.1	06050020	Cable 4G16 LS0H H07BN4-F T500	A9B00030583	Draka	/1.3	1	
476	+A21.809-W3.2	06050020	Cable 4G16 LS0H H07BN4-F T500	A9B00030583	Draka	/1.4	1	
477	+A21.809-W7	06040030	Cable 4G1.5 LS0H H07BN4-F T1000	30903	Draka	/4.1	1	
478	+A21.809-W8	06040065	Cable 4G2.5 LS0H H07BN4-F T1000	30959	Draka	/4.3	1	
479	+A21.809-W11	06050000	Cable 3G6 LS0H H07BN4-F	33339	Draka	/23.1	-	
480	+A21.809-W13	06040075	Cable 5G2.5 LS0H H07BN4-F	A9B00031273	Draka	/23.6	1	
481	+A21.809-W16	06040020	Cable 3G1.5 LS0H H07RN-F Tarmo	A9B00030498	Draka	/24.2	1	
482	+A21.809-W18	06040020	Cable 3G1.5 LS0H H07RN-F Tarmo	A9B00030498	Draka	/24.3	1	
483	+A21.809-W19	06040020	Cable 3G1.5 LS0H H07RN-F Tarmo	A9B00030498	Draka	/24.6	1	
484	+A21.809-W20	06040020	Cable 3G1.5 LS0H H07RN-F Tarmo	A9B00030498	Draka	/24.8	1	
485	+A21.809-W22	05990048	Cable 3G1.5 Lihch Datax	30115	Draka	/62.0	1	
486	+A21.809-W23	05990045	Cable 12G1 Lihch Datax	A9B00019694	Draka	/62.4	1	
487	+A21.809-W24	105990046	Cable 15G2,5 LIHCH		Draka	/63.1	1	
488	+A21.809-W25	06040020	Cable 3G1.5 LS0H H07RN-F Tarmo	A9B00030498	Draka	/51.1	1	
489	+A21.809-W26	06040020	Cable 3G1.5 LS0H H07RN-F Tarmo	A9B00030498	Draka	/51.3	1	
490	+A21.809-W101	DEL_W_COMP	Delivered with component		VARIOUS	/37.1	1	
491	+A21.809-W102	DEL_W_COMP	Delivered with component		VARIOUS	/37.1	1	
492	+A21.809-W105	DEL_W_COMP	Delivered with component		VARIOUS	/39.7	1	
493	+A21.809-X1	285-169	Fingerprotection for 95mm² Terminal		Wago	/1.1	4	
494	+A21.809-X1	285-170	Warning label 95mm2		Wago	/L-17.3	4	
495	+A21.809-X1	285-195	Terminal 95mm2		Wago	/1.1	3	
496	+A21.809-X1	285-197	Earth term.95mm2		Wago	/1.1	1	
497	+A21.809-X1	9708/2S35	End stop reinforced	A9B00083081	Wieland	/1.1	2	
498	+A21.809-X3.1	285-135	2-Conductor through terminal		Wago	/1.3	3	
499	+A21.809-X3.1	285-137	2-Conductor earth terminal		Wago	/1.3	1	
500	+A21.809-X3.2	285-135	2-Conductor through terminal		Wago	/1.4	3	
501	+A21.809-X3.2	285-137	2-Conductor earth terminal		Wago	/1.5	1	
502	+A21.809-X7	209-190	Separating wall 3mm		Wago	/4.1	4	
503	+A21.809-X7	2002-121	Protective Warning Marker		Wago	/4.2	1	
504	+A21.809-X7	2002-2201/0057-0000	2-conductor 2.5-4mm2 Through Terminal Block UL 1000V		Wago	/4.1	3	
505	+A21.809-X7	2002-2237	Double deck terminal block		Wago	/4.1	1	
506	+A21.809-X8	209-190	Separating wall 3mm		Wago	/4.3	4	
507	+A21.809-X8	2002-121	Protective Warning Marker		Wago	/4.4	1	
508	+A21.809-X8	2002-2201/0057-0000	2-conductor 2.5-4mm2 Through Terminal Block UL 1000V		Wago	/4.3	3	
509	+A21.809-X8	2002-2237	Double deck terminal block		Wago	/4.3	1	
510	+A21.809-X8	9708/2S35	End stop reinforced	A9B00083081	Wieland	/4.3	1	
511	+A21.809-X11	2010-1301	3-Conductor through terminal		Wago	/23.1	2	
512	+A21.809-X11	2010-1307	3-Conductor earth terminal		Wago	/23.1	1	
513	+A21.809-X11	2010-1392	End and intermediate plate		Wago	/23.1	1	
514	+A21.809-X11	9708/2S35	End stop reinforced	A9B00083081	Wieland	/23.1	1	
515	+A21.809-X13	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/23.6	1	
516	+A21.809-X13	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/23.7	1	
 kk-electronic a/s	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL	Page Content		=V304002	
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+A21/C-11				The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A21/C-13

Components list

	Component name	Part number	Description	SWP no.	Manufacturer	Ref.	Qty.
517	+A21.809-X13	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/23.7	1
518	+A21.809-X13	9708/2S35	End stop reinforced	A9B00083081	Wieland	/23.7	1
519	+A21.809-X16	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/24.2	1
520	+A21.809-X16	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/24.2	1
521	+A21.809-X18	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/24.3	1
522	+A21.809-X18	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/24.3	1
523	+A21.809-X19	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/24.6	1
524	+A21.809-X19	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/24.7	1
525	+A21.809-X20	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/24.8	1
526	+A21.809-X20	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/24.8	1
527	+A21.809-X22	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/62.1	1
528	+A21.809-X22	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/62.1	1
529	+A21.809-X23	2002-433	Push-in type jumper bar 2-way		Wago	/L-37.2	1
530	+A21.809-X23	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/62.4	3
531	+A21.809-X23	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/62.7	1
532	+A21.809-X23	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/62.7	1
533	+A21.809-X24	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/63.1	4
534	+A21.809-X24	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/63.3	1
535	+A21.809-X24	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/63.4	1
536	+A21.809-X25	2002-403	Push-in type jumper bar 3-way		Wago	/L-39.3	1
537	+A21.809-X25	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/51.1	1
538	+A21.809-X25	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/51.1	1
539	+A21.809-X26	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/51.3	1
540	+A21.809-X26	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/51.3	1
541	+A21.809-X27	2010-1301	3-Conductor through terminal		Wago	/26.1	2
542	+A21.809-X27	2010-1307	3-Conductor earth terminal		Wago	/26.1	1
543	+A21.809-X27	2010-1392	End and intermediate plate		Wago	/26.1	1
544	+A21.809-X27	9708/2S35	End stop reinforced	A9B00083081	Wieland	/26.2	1
545	+A21.809-X28	2002-3257	Triple deck terminal block 2.5-4mm2 through/through/throu	A9B10039988	Wago	/26.3	1
546	+A21.809-X28	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/26.3	1
547	+A21.809-X31	09120022652	Connector male HAN Q 2/0		Harting	/37.4	3
548	+A21.809-X31	09120022752	Connector female HAN Q 2/0		Harting	/37.4	1
549	+A21.809-X31	19200031252	Bottom closed HAN3A M20		Harting	/37.4	1
550	+A21.809-X31	19200031440	Top entry HAN A M20		Harting	/37.4	1
551	+A21.809-X32	09120022652	Connector male HAN Q 2/0		Harting	/37.5	3
552	+A21.809-X32	09120022752	Connector female HAN Q 2/0		Harting	/37.5	1
553	+A21.809-X32	19200031252	Bottom closed HAN3A M20		Harting	/37.5	1
554	+A21.809-X32	19200031440	Top entry HAN A M20		Harting	/37.5	1
555	+A21.809-X33	09120022652	Connector male HAN Q 2/0		Harting	/37.8	3
556	+A21.809-X33	09120022752	Connector female HAN Q 2/0		Harting	/37.7	1
557	+A21.809-X33	19200031252	Bottom closed HAN3A M20		Harting	/37.7	1
558	+A21.809-X33	19200031440	Top entry HAN A M20		Harting	/37.7	1
559	+A21.809-X34	09120022652	Connector male HAN Q 2/0		Harting	/37.9	3

 kk-electronic a/s	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL	Page Content COMPONENTS LIST	=V304002
		2014-05-28				+A21
		Item-no.	ZCD-no:			C-13
	JASOE/mebje	V3040A21002	1040046			

Components list

	Component name	Part number	Description	SWP no.	Manufacturer	Ref.	Qty.
560	+A21.809-X34	09120022752	Connector female HAN Q 2/0		Harting	/37.8	1
561	+A21.809-X34	19200031252	Bottom closed HAN3A M20		Harting	/37.8	1
562	+A21.809-X34	19200031440	Top entry HAN A M20		Harting	/37.8	1
563	+A21.809-X41	2004-1201	2-Conductor through terminal		Wago	/27.3	-
564	+A21.809-X41	2004-1207	2-Conductor earth terminal		Wago	/27.3	-
565	+A21.809-X41	2004-1292	End and intermediate plate		Wago	/27.3	1
566	+A21.809-X101	2002-1401	4-conductor 2.5-4mm2		Wago	/37.1	2
567	+A21.809-X101	2002-1407	4-conductor 2.5-4mm2		Wago	/37.1	1
568	+A21.809-X101	2002-1492	End and intermediate plate		Wago	/37.1	2
569	+A21.809-X101	9708/2S35	End stop reinforced	A9B00083081	Wieland	/37.1	1
570	+A21.809-X102	2002-1401	4-conductor 2.5-4mm2		Wago	/37.1	2
571	+A21.809-X102	2002-1407	4-conductor 2.5-4mm2		Wago	/37.1	1
572	+A21.809-X102	9708/2S35	End stop reinforced	A9B00083081	Wieland	/37.1	1
573	+A21.809-X103	2004-402	Push-in type jumper bars 2-way		Wago	/L-19.2	3
574	+A21.809-X103	2004-403	Push-in type jumper bar 3-way		Wago	/L-19.3	1
575	+A21.809-X103	2004-1301	3-Conductor through terminal		Wago	/3.1	8
576	+A21.809-X103	2004-1307	3-Conductor earth terminal		Wago	/3.2	1
577	+A21.809-X103	2004-1392	End and intermediate plate		Wago	/3.0	1
578	+A21.809-X103	9708/2S35	End stop reinforced	A9B00083081	Wieland	/3.0	2
579	+A21.809-X104	2002-2257	2 deck-Conductor		Wago	/5.1	4
580	+A21.809-X104	2002-2292	End and intermediate plate		Wago	/5.1	1
581	+A21.809-X104	9708/2S35	End stop reinforced	A9B00083081	Wieland	/5.1	1
582	+A21.809-X113	2002-2211/1000-410	Double deck diode terminal block with diode 1N4007		Wago	/66.8	1
583	+A21.809-X113	2002-2211/1000-410	Double deck diode terminal block with diode 1N4007		Wago	/66.7	1
584	+A21.809-X113	2002-2292	End and intermediate plate		Wago	/66.8	1
585	+A21.809-X113	9708/2S35	End stop reinforced	A9B00083081	Wieland	/66.8	1
586	+A21.810-R1	MRS25000C1200FCT00	Resistor 120R 1% 0.6W/350V	A9B00053750	Philips	/69.1	1
587	+A21.810-R2	MRS25000C1200FCT00	Resistor 120R 1% 0.6W/350V	A9B00053750	Philips	/70.1	1
588	+A21.810-S1	V110-2-ARC	Terminal f/WTC-3 Arctic		KK-electronic	/68.5	1
589	+A21.810-T1	9708/2S35	End stop reinforced	A9B00083081	Wieland	/71.0	2
590	+A21.810-T1	851001	Cisco IE3000 Power Unit Bundle SWP Config	A9B10076808	Netdesign A/S	/71.0	1
591	+A21.810-W1	NOT_KK_DEL	Not delivered by kk		VARIOUS	/73.1	1
592	+A21.810-W2	NOT_KK_DEL	Not delivered by kk		VARIOUS	/1.4	1
593	+A21.810-W4	05990303	Cable 3X2X0.5 Lihch Datax P P	A9B00030109	Draka	/68.1	1
594	+A21.810-W5	05990120	Cable 2X1 Lihch Datax	A9B00030554	Draka	/68.8	1
595	+A21.810-W6.5	NOT_KK_DEL	Not delivered by kk		VARIOUS	/1.7	1
596	+A21.810-W6.6	NOT_KK_DEL	Not delivered by kk		VARIOUS	/1.8	1
597	+A21.810-W6.7	NOT_KK_DEL	Not delivered by kk		VARIOUS	/71.3	1
598	+A21.810-W6.9	NOT_KK_DEL	Not delivered by kk		VARIOUS	/71.9	1
599	+A21.810-W101	0038402	Cable 2X2X0.25 Lihch (TP) Unitronic	A9B00019733	LAPP	/69.3	1
600	+A21.810-W102	0038402	Cable 2X2X0.25 Lihch (TP) Unitronic	A9B00019733	LAPP	/70.3	1
601	+A21.810-W103	0-0349580-2	Patch cable ST/SC Duplex MM 2M 62,5	A9B00031057	VARIOUS	/70.7	1
602	+A21.810-W103	0-0349580-3	Patchcable ST-SC 62.5MY 3m		VARIOUS	/73.1	1



kk-responsible

2014-05-28

ZCD-no:

JASOE/mebie

1040046

WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL

COMPONENTS LIST

+A21

C-14

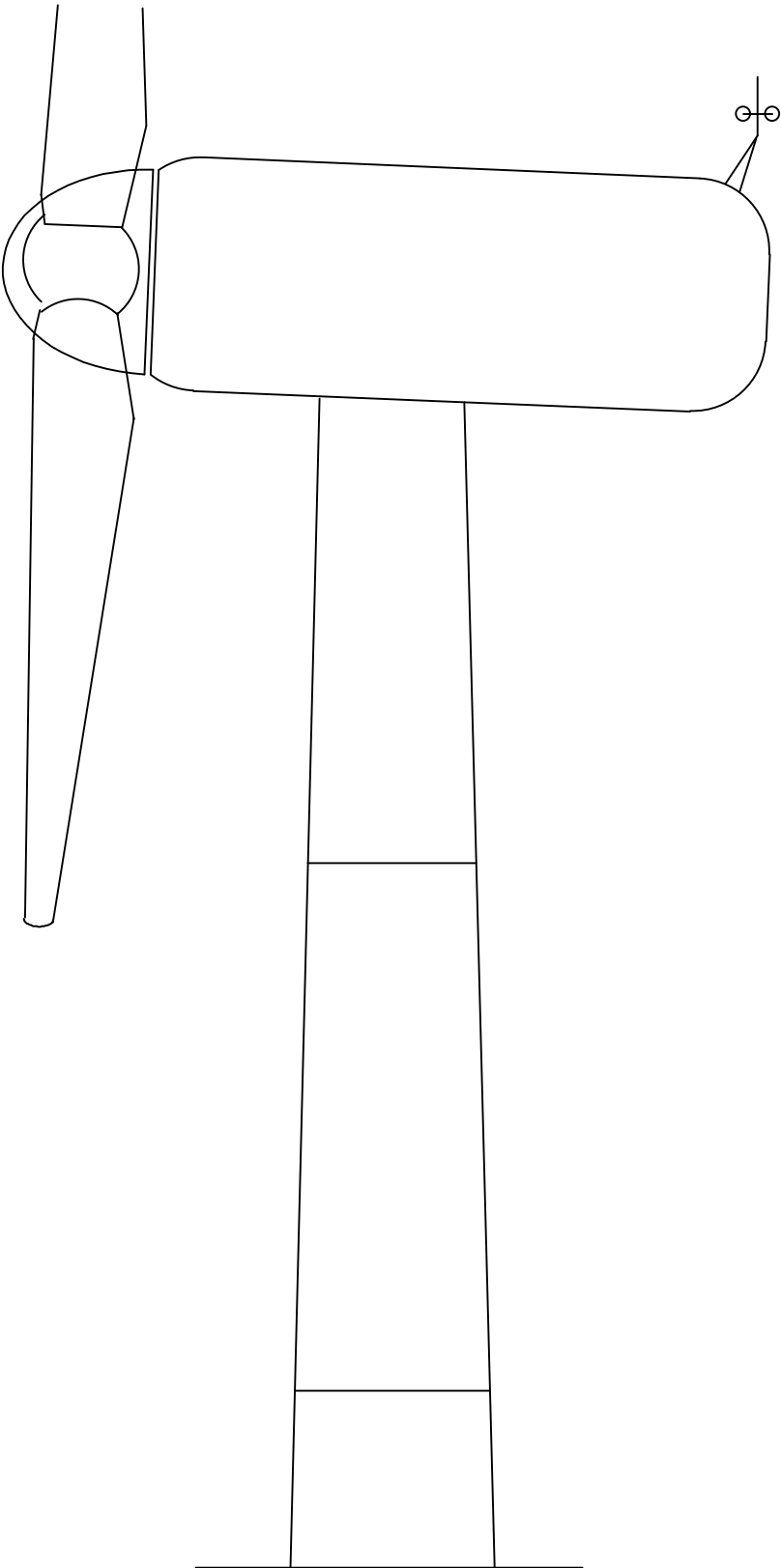
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603	+A21.810-W104	0030920	Cable 3X2X0.25 Unitronic FD CP		LAPP	/68.1	1	
604	+A21.810-W104	0687900000	Bracket f.TS35 Dinrail M4 FM4/TS35		Weidmüller	/68.3	1	
605	+A21.810-W104	1692261001	Clamp for Shield KLBÜ 3-8 SC		Weidmüller	/68.3	1	
606	+A21.810-W111	FLCXXS1-LCSCDY-02.0M	Patchcable LC/SC Duplex SM 2M 9/125, Crossed, Yellow		HellermannTyton	/71.0	1	
607	+A21.810-W112	FLCXXS1-LCSCDY-02.0M	Patchcable LC/SC Duplex SM 2M 9/125, Crossed, Yellow		HellermannTyton	/71.1	1	
608	+A21.810-W113	FLCXXM1-LCSCDO-2.0M	Patchcable LC/SC Duplex MM 2M		HellermannTyton	/71.5	1	
609	+A21.810-W114	3-STP	Patchcable STP 3M Grey		Dandeltaco	/42.2	1	
610	+A21.810-W115	1-STP	Patchcable STP 1M Grey		Dandeltaco	/71.3	1	
611	+A21.810-W116	1-STP	Patchcable STP 1M Grey		Dandeltaco	/71.2	1	
612	+A21.810-W118	1-STP	Patchcable STP 1M Grey		Dandeltaco	/71.4	1	
613	+A21.810-W119	1-STP	Patchcable STP 1M Grey		Dandeltaco	/71.4	1	
614	+A21.810-W121	1-STP	Patchcable STP 1M Grey		Dandeltaco	/71.8	1	
615	+A21.810-W122	1-STP	Patchcable STP 1M Grey		Dandeltaco	/71.8	1	
616	+A21.810-W123	1-STP	Patchcable STP 1M Grey		Dandeltaco	/71.2	1	
617	+A21.810-W124	1-STP	Patchcable STP 1M Grey		Dandeltaco	/71.4	1	
618	+A21.810-W125	3-STP	Patchcable STP 3M Grey		Dandeltaco	/42.3	1	
619	+A21.810-W126	1-STP	Patchcable STP 1M Grey		Dandeltaco	/71.2	1	
620	+A21.810-W127	1-STP	Patchcable STP 1M Grey		Dandeltaco	/71.9	1	
621	+A21.810-W3108	V110-KABEL-12M	Cable service f/WTC3 12m Hand terminal cable	A9B00018186	KK-electronic	/68.4	-	
622	+A21.810-X4	2002-3231	Triple deck terminal block 2.5-4mm2 L/L/L WMB	A9B10040081	Wago	/68.1	2	
623	+A21.810-X4	2002-3292	End and intermediate plate orange	A9B10039989	Wago	/68.3	1	
624	+A21.810-X5	2002-2231	Double deck terminal block	A9B10077638	Wago	/68.8	1	
625	+A21.810-X5	2002-2292	End and intermediate plate		Wago	/68.8	1	
626	+A21.810-X6	1479290-1	Modular Coupler Cat. 5E		VARIOUS	/71.2	9	
627	+A21.810-X7	SC24M1D70	Female Contact F/Souriau Con.		Souriau	/68.5	6	
628	+A21.810-X7	UT00128SHT	Chassis hous.8P	A9B00203216	VARIOUS	/68.6	1	
629	+A21.810-X7	UTFD1-3-B	Gasket 12	A9B00203250	VARIOUS	/68.6	1	
630	+A21.810-X7	UTG12DC	Cover Burndy f/UGT128S	A9B00203221	VARIOUS	/68.6	1	
631	+A21.810-X8	1479290-1	Modular Coupler Cat. 5E		VARIOUS	/71.5	1	
632	+A21.811-A1	NOT_KK_DEL	Not delivered by kk		VARIOUS	/67.3	1	
633	+A21.811-W1	NOT_KK_DEL	Not delivered by kk		VARIOUS	/67.2	1	
634	+A21.811-W2	NOT_KK_DEL	Not delivered by kk		VARIOUS	/67.4	1	
635	+A21.811-X1	734-328	Relief plate 12,5mm		Wago	/67.3	2	
636	+A21.811-X1	2022-103	3way connector plug		Wago	/67.3	2	
637	+A21.811-X1	2022-2231	1L/1Pin doubleconector grey		Wago	/67.2	3	
638	+A21.811-X1	2022-2292	End Plate orange		Wago	/67.3	1	
639	+A21.811-X2	734-328	Relief plate 12,5mm		Wago	/67.4	1	
640	+A21.811-X2	2022-103/000-036	Female plug 3p L/L/PE		Wago	/67.4	1	
641	+A21.811-X2	2022-1301	2L/1 Pin Conductorterminal gre		Wago	/67.4	2	
642	+A21.811-X2	2022-1307	2L/1Pin conductor gullgrøn		Wago	/67.4	1	
643	+A21.811-X2	2022-1392	End Plate		Wago	/67.4	1	
644	+A21.811-X2	9708/2S35	End stop reinforced	A9B00083081	Wieland	/67.4	1	
645	+A21.910-W1	NOT_KK_DEL	Not delivered by kk		VARIOUS	/72.1	1	
 kk-electronic a/s	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL	Page Content		=V304002	
		2014-05-28			COMPONENTS LIST		+A21	
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		JASOE/mebje	V3040A21002		1040046			
+A21/C-14				The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A21/C-15

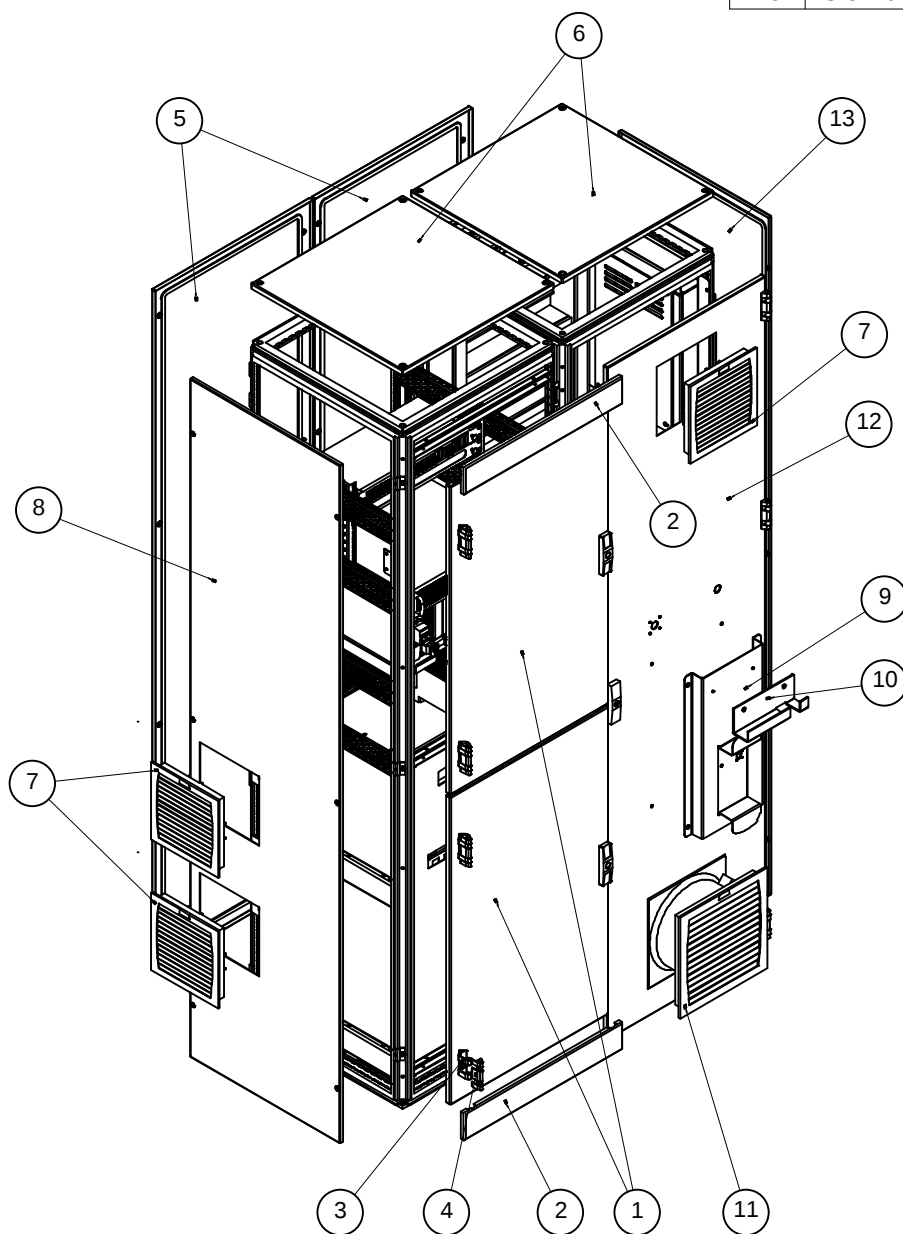
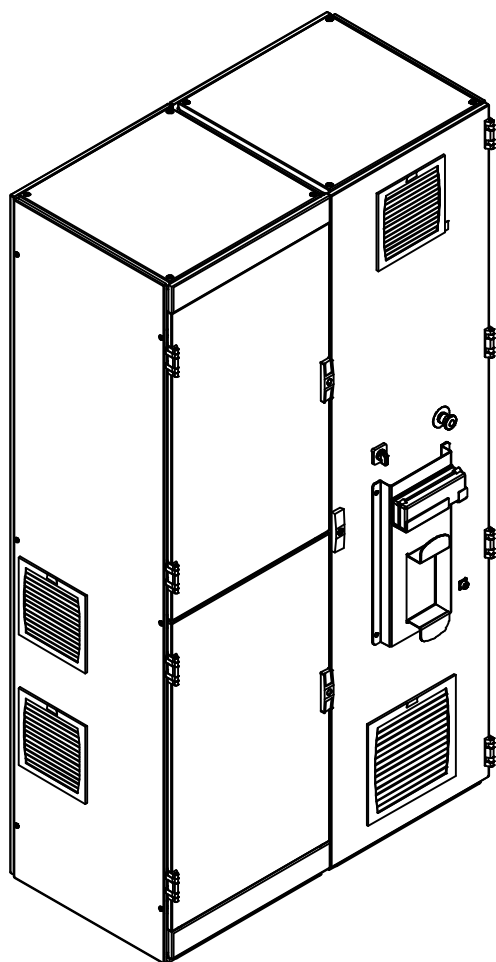
Components list

+A21 NON ELECTRICAL COMPONENTS LIST

非电气元件清单



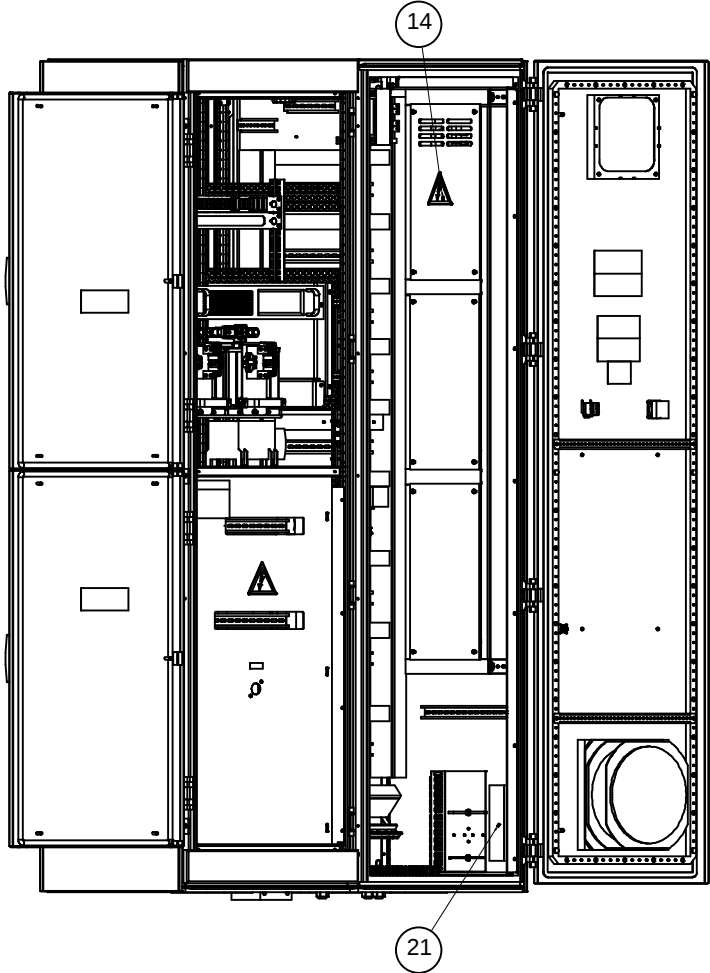
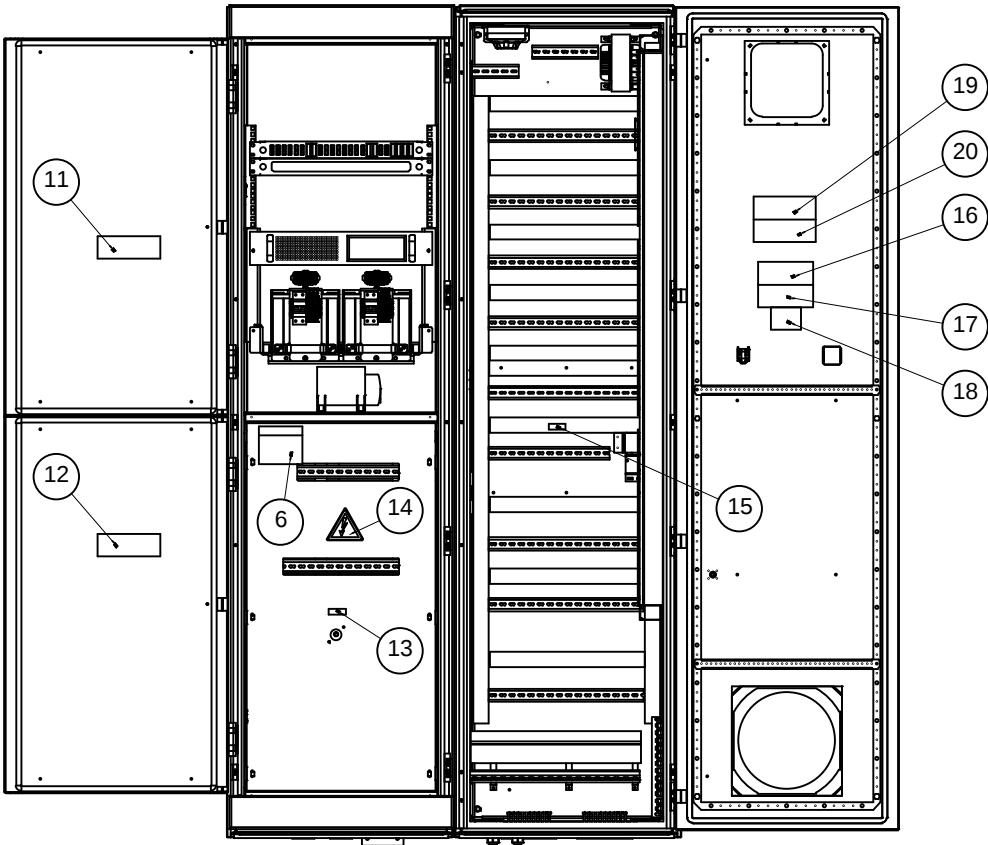
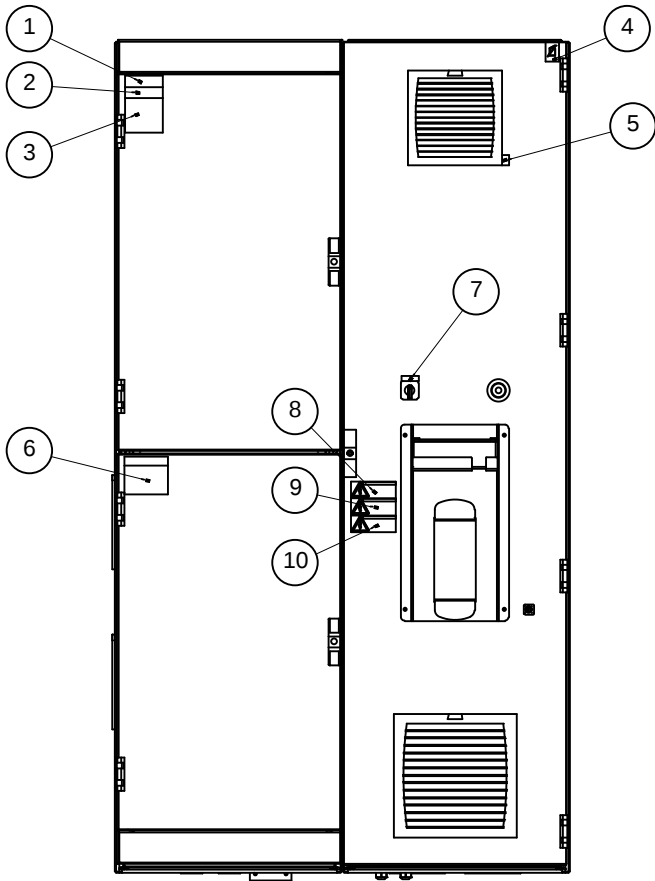
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		2014-05-28			+A21 NON ELECTRICAL COMPONENTS LIST		+A21
		Item-no.	ZCD-no:				+A21 NEC
		JASOE/mebje	V3040A21002				
+A21/C-16		The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.					+A21/NEC-1



Pos No.:	Type Number:	Item Name:	Qty.:
1	TS-8801.500	Partial doors, Standard	2
2	TS-8801.510	Trim Panel TS W600xH100	2
3	TS-Hinge 180 deg	TS-Hinge 180 Degrees, Enclosure Section	8
4	TS-Hinge 180 deg	TS-Hinge 180 Degrees, Door Section	8
5	TS-290.031	Rear Panel, Standard	3
6	TS-279.162	Top Panel, Standard	2
7	PFA40000	Output filter RAL 7035 Gen.4	3
8	MEC-00000470	Side Panel TS H2200xD600	1
9	R0203530520AA	Plate for V110-1	1
10	V110-HOLDER	Holder for Terminal	1
11	PF66000-230V	Filter fan 230VAC 640 m3 RAL7035 Gen.4	1
12	MEC-00000356	Slave door, Spec.	1
13	TS-8126.235	Side Panel, Screw-Fastened, Standard	1

Enclosure manufacturer: Rittal

Pos No.:	Type Number:	Item Name:	Qty.:
1	POS-101-100X30-GREY	kk-Label	1
2	POS-102-100X30-GREY	kk-Label	1
3	POS-201-100X90-GREY	kk-Label	1
4	C03-0425	Label Weee 0425, C03-UL	1
5	POS-2001-18X27-GREY	kk-Label	1
6	ArchFlash	ArchFlash label	2
7	POS-302-45X15-GREY	kk-Label	1
8	1601	Sign Warning UK/FR 1601, C03-UL	1
9	1801	Sign Caution UK/FR 1801, C03-UL	1
10	1901	Sign Caution UK/FR 1901, C03-UL	1
11	POS-901-165X60-GREY	kk-Label	1
12	POS-902-165X60-GREY	kk-Label	1
13	POS-301-45X15-GREY	kk-Label	1
14	5710190512010	Label Warning "Lightning" 100x100x100mm	2
15	POS-303-45X15-GREY	kk-Label	1
16	POS-501-145X60-RED	kk-Label	1
17	POS-502-145X60-RED	kk-Label	1
18	POS-801-80X60-RED	kk-Label	1
19	POS-903-165X60-GREY	kk-Label	1
20	POS-904-165X60-GREY	kk-Label	1
21	POS-601-200X60-GREY	kk-Label	1





Industrial Control Panel for Wind Turbine Generators

KK-electronic item no: V3040A21002

Siemens Wind Power item no: A9B10078154

Type Rating: Type 5 101

809-Q1 SWITCH DISCONNECTOR

FOR PANEL A3 & A18 301

810-X6

- 1 SERVICE ACCESS EXTERNAL LAN
- 2 SERVICE ACCESS INTERNET
- 3 CUSTOMER VLAN OPTION
- 4 SERVICE ACCESS INTERNAL LAN
- 5 REMOTE CONVERTER INTERFACE(MOXA)
- 6 REMOTE CONVERTER INTERFACE(RETA)
- 7 IP-PHONE OPTION
- 8 MEASUREMENT SYSTEM OPTION
- 9 PARK CONTROLLER 601



Recognized Component

Conforms to UL standard: UL508A

Certified to CAN/CSA standard: C22.2 No. 14-13

Control no: 4003248 102

A21+809-S2
0 : LOCAL CONTROL
1 : REMOTE CONTROL 302

809-S3
0:UPS SUPPLY OFF
1:UPS SUPPLY ON 301



kk-electronic

Type: V3040A21002

Rated power: 4.0MW

Frequency: 50/60Hz

Voltage: 3x690VAC

Rated current: 160A

Max short-circuit current: 75kA

System earthing: TN

809-S1

Choose the voltage matching the wind turbine's location BEFORE energizing the panel:

KEY-POSITION	VOLTAGE	COUNTRY
	Light/Plugs	
1	230V / 2X55V	Great Britain
2	230V / 100V	Japan
3	230V / 110V	Brazil
4	120V / 120V	USA
5	127V / 127V	Brazil
6	220V / 220V	Brazil
7	230V / 230V	Europe 801

SWT-4.0

WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL

Page Content

NON ELECTRICAL COMPONENTS LIST
LABELS - DETAILS

=V304002

+A21

NEC-3



kk-electronic a/s

+A21/NEC-2

SIEMENS

kk-responsible

JASOE/mebje

Date

2014-05-28

Item-no.

V3040A21002

Rev. Date

ZCD-no:

1040046

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+A21/NEC-4

WARNING

Combination Motor Controller - Instantaneous Trip Circuit Breakers

-To maintain overcurrent, short-circuit, and ground-fault protection, the manufacturer's instructions for selecting current elements and setting the instantaneous-trip circuit breaker shall be followed.

-Tripping of the instantaneous-trip circuit breaker is an indication that a fault current has been interrupted. Current-carrying components of the magnetic motor controller should be examined and replaced if damaged to reduce the risk of fire or electric shock. If burnout of the current element of an overload relay occurs, the complete overload relay shall be replaced.

501

WARNING

Combination Motor Controller - Combination Motor controllers

-To maintain overcurrent, short-circuit, and ground-fault protection, the manufacturer's instructions for selection of overload and short circuit protection shall be followed to reduce the risk of fire or electric shock.

-If an overload or a fault current interruption occurs, circuits shall be checked to determine the cause of the interruption. If a fault condition exists, the current-carrying components should be examined and replaced if damaged, and the integral current sensors shall be replaced to reduce the risk of fire or electric shock.

502

No	Setting	Type	Range	Descriptions
809-F8	20A	MS132	16-20A	690V Supply Davit Crane
809-F7	6,3A	MS132	4-6,3A	Service Lift
809-F4	1,6A	MS132	1-1,6A	690V Measurement
809-F9	16A	MS132	10-16A	230V UPS, Light, Plugs & Dehumidifier
809-F5	25A	MS132	20-25A	230/400V Supply A12/A17, Valve & Switchgear
804-F1	2,2A	MS132	1,6-2,5A	Oil Pump Main Trafo
802-F1	25A	MS132	20-25A	690V Supply Converter Cooling Panel
802-F9	6,3A	MS132	4-6,3A	Converter Heating
802-F10	2,8A	MS132	2,5-4A	Converter Coolant Pump
802-F4	32A	MS132	25-32A	690V Supply Safety
802-F10.1	2,55A	TF42	2,3-3,1A	Converter Coolant Pump * Behind Dead Front

902

No	Setting	Type	Range	Descriptions
308-F1	2,5A	MS132	1,6-2,5A	Converter Cooling Valve
809-F11	16A	C-Curve	-16A	Plugs in Tower, Power, Trafo, & Cooling Unit
809-F13	10A	C-Curve	-10A	Light Inside
809-F16	2A	C-Curve	-2A	Light Outside for ID
809-F18	2A	C-Curve	-2A	Light Outside
809-F20	16A	C-Curve	-16A	Dehumidifier in Tower
809-F21	2A	C-Curve	-2A	Timeswitch Outside for ID
809-F22	16A	C-Curve	-16A	WTC3 Module Supply
809-F23	16A	C-Curve	-16A	230V Supply A12/A17, Vent. & Switchgear
809-F24	16A	C-Curve	-16A	230V UPS Supply & Light Control
809-F25	10A	C-Curve	-10A	230V Aux. Supply
809-F26	6A	C-Curve	-6A	230V Aux. Supply

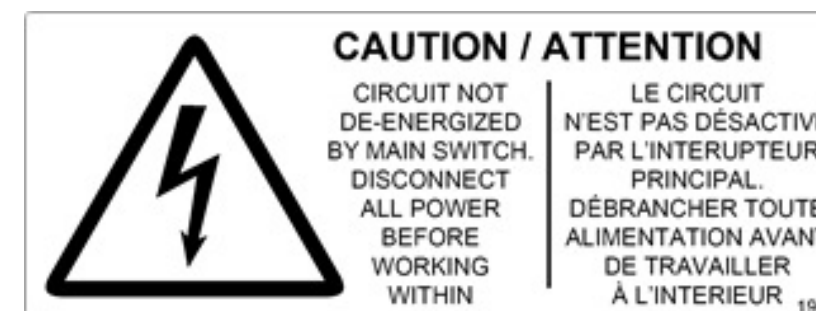
903

No	Setting	Type	Range	Descriptions
-F30.C1	32A	C-Curve	32A	UPS Battery Positive
-F30.C2	32A	C-Curve	32A	UPS Battery Negative

901

309-F1	10A	C-Curve	-10A	230/400V Supply Converter Controller
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904



WARNING

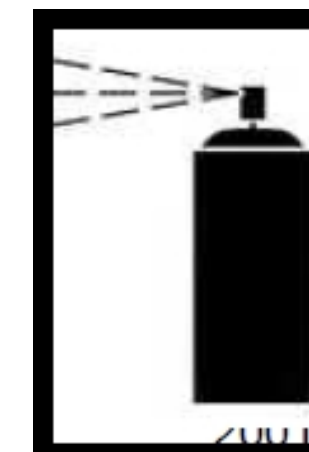
**ARC FLASH HAZARD
APPROPRIATE PPE REQUIRED**

Equipment Type	690V MCC and panels
Grounding	Grounded
Work Distance	17 inches (455 mm)
Available 3-Ph Bolted Current	74.47 kA
Flash Protection Boundary (FPB)	27 inches
Incident Energy @ FPB	1.20 cal/cm ²
Incident Energy @ Work Distance	2.47 cal/cm ²
Hazard Risk Category	1
Equipment Name:	V3040A21002
printed from www.arcadvisor.com on Sep 4, 2013	

WARNING

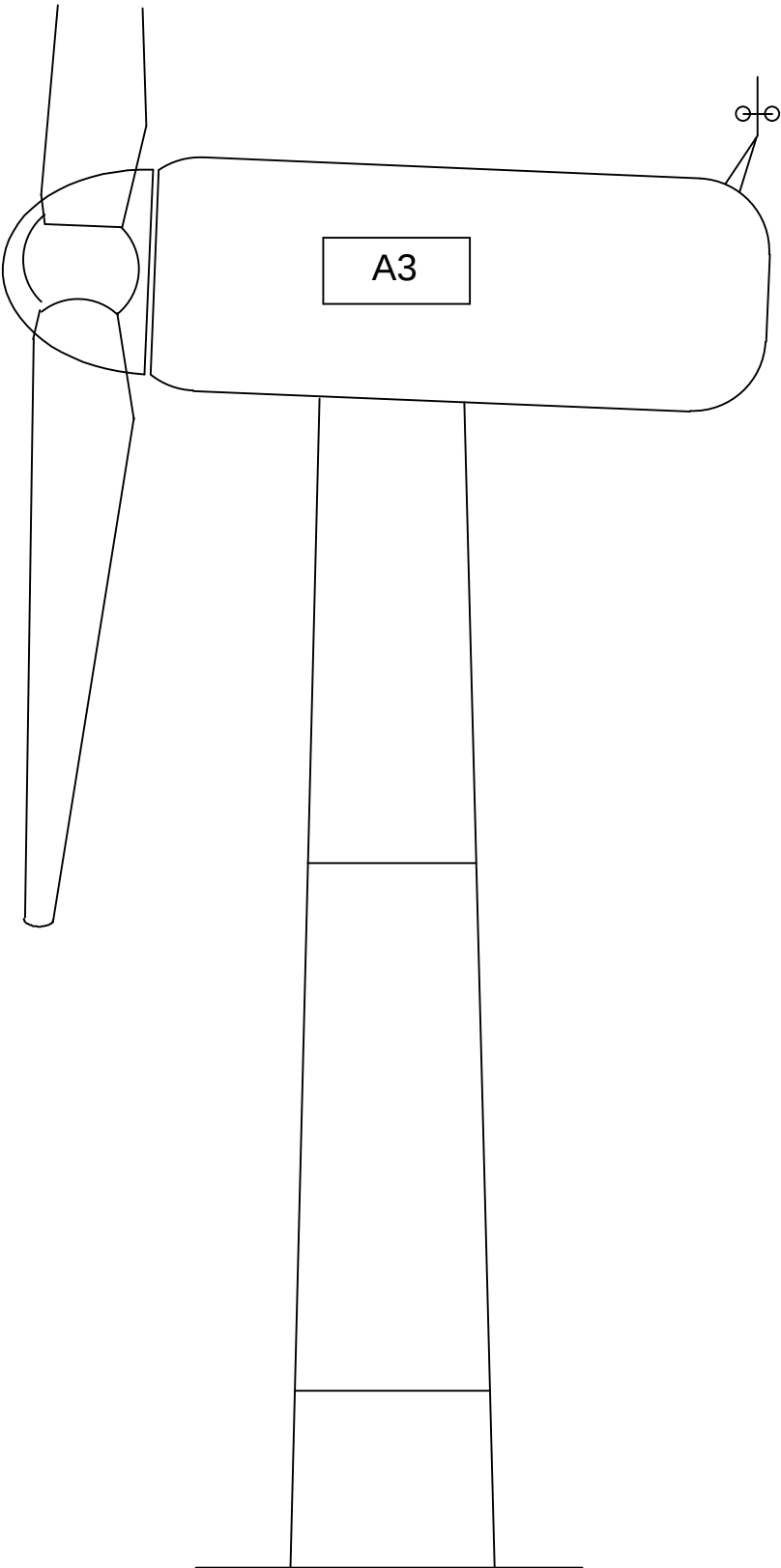
**ARC FLASH HAZARD
APPROPRIATE PPE REQUIRED**

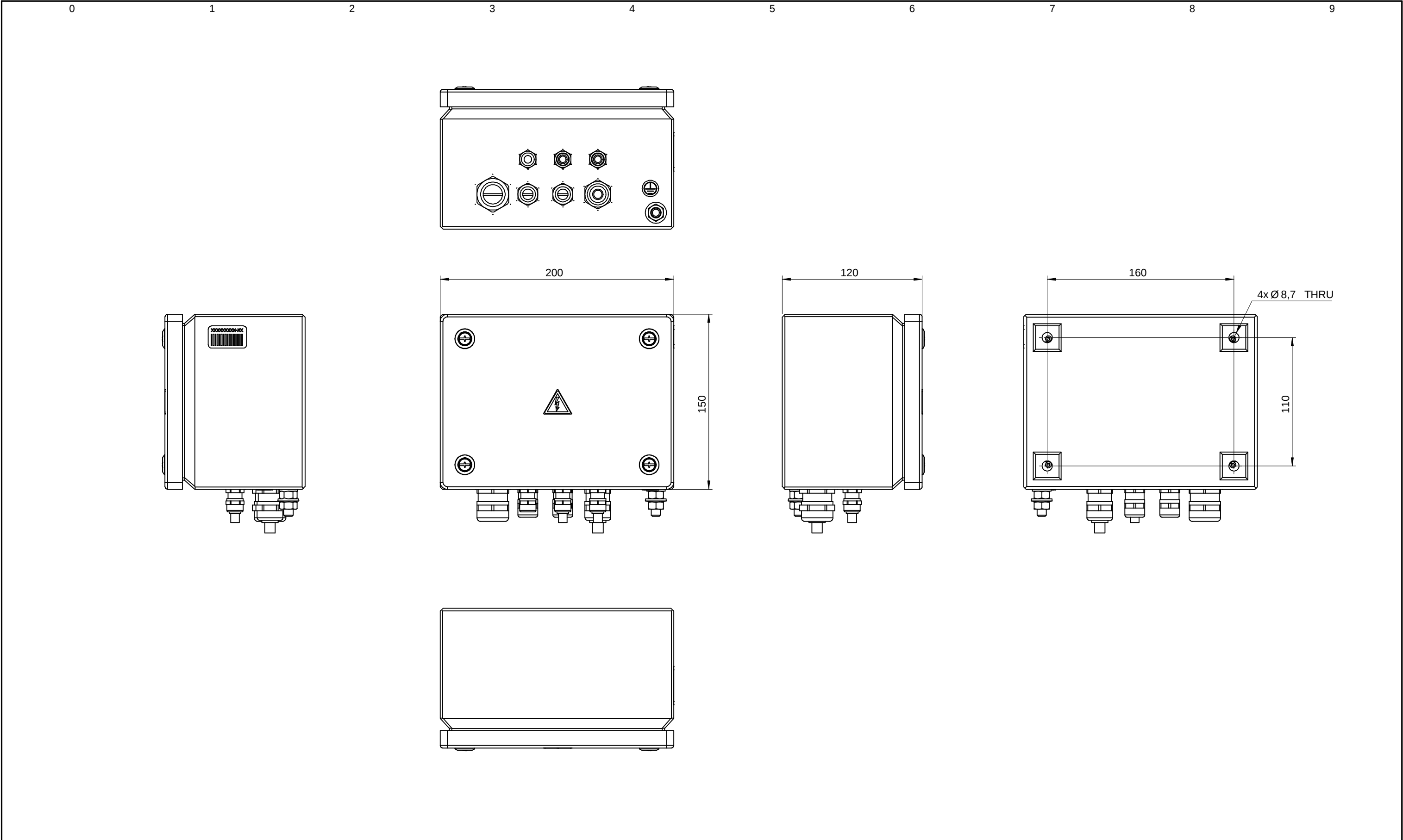
Equipment Type	690V MCC and panels
Grounding	Grounded
Work Distance	17 inches (455 mm)
Available 3-Ph Bolted Current	74.47 kA
Flash Protection Boundary (FPB)	27 inches
Incident Energy @ FPB	1.20 cal/cm ²
Incident Energy @ Work Distance	2.47 cal/cm ²
Hazard Risk Category	1
Equipment Name:	V3040A21002
printed from www.arcadvisor.com on Sep 4, 2013	



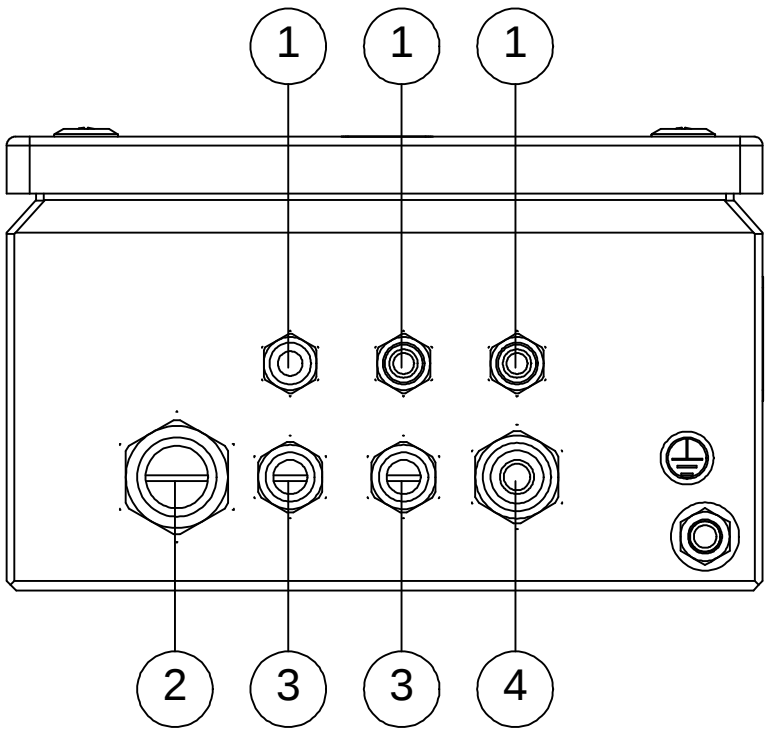
+A2102 LAYOUTS

布局图

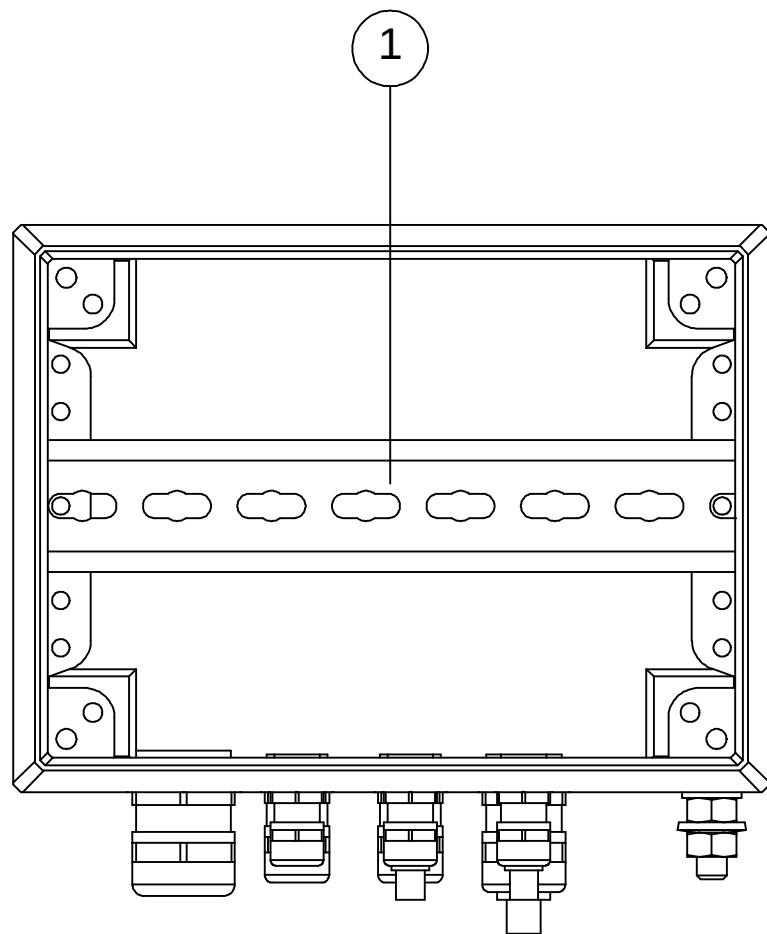




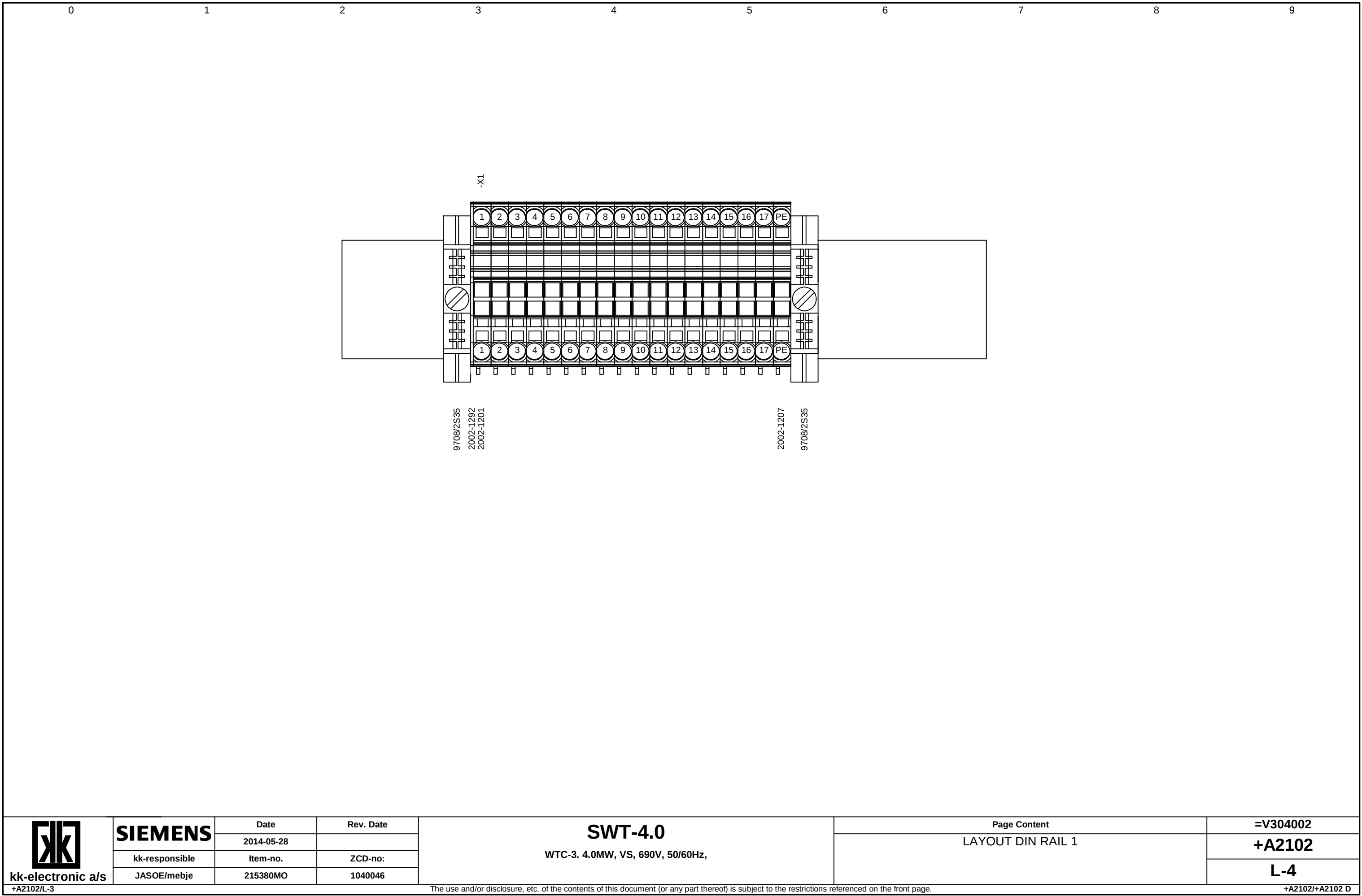
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		kk-responsible	Item-no.			ZCD-no:	L-1
		JASOE/mebje	215380MO			1040046	
+A2102/+A2102 L		The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A2102/L-2	



Pos No.:	Description:	Qty.:
1	M12-EMC	3
2	M25-EMC	1
3	M16-EMC	2
4	M20-EMC	1

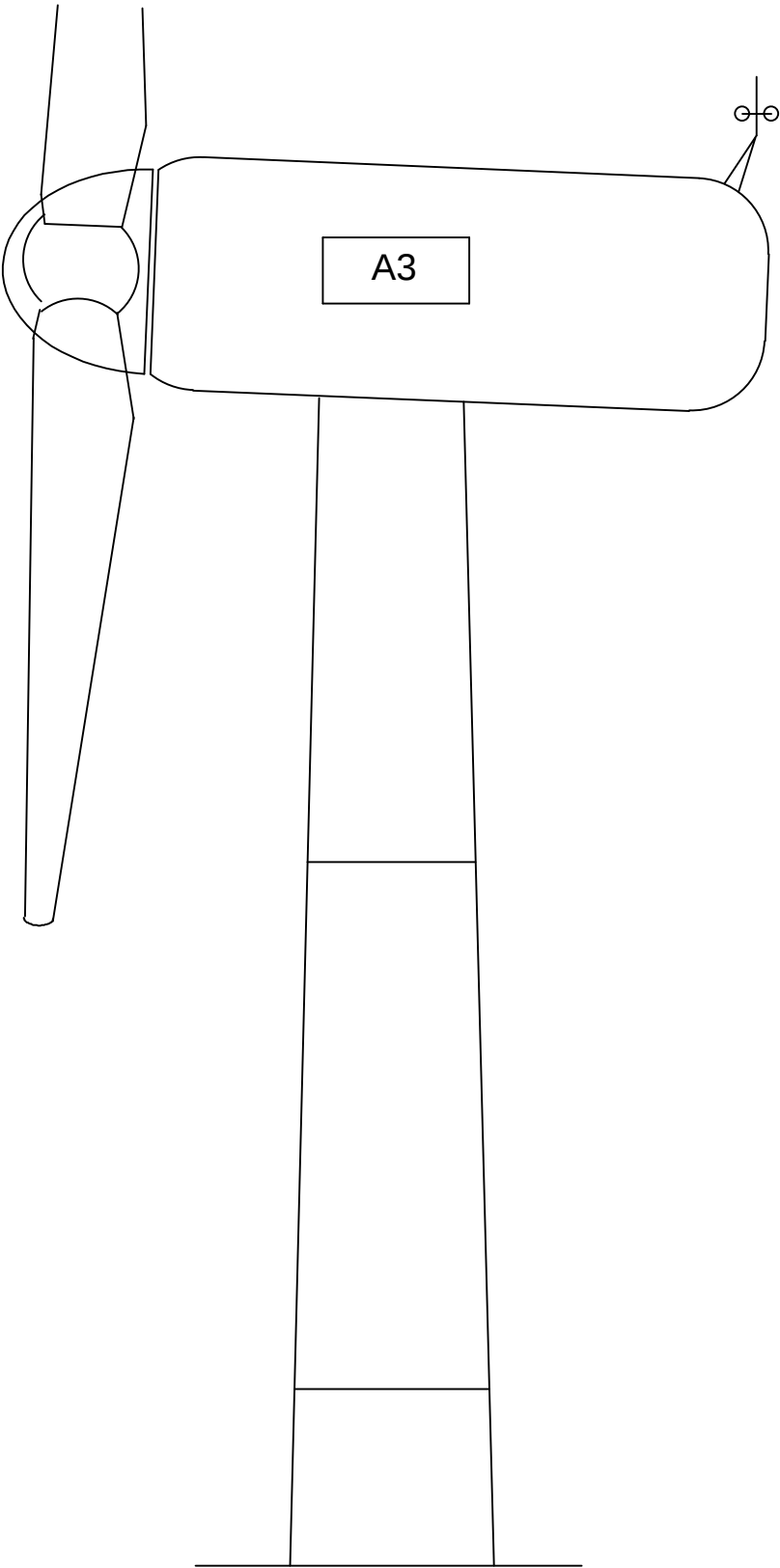


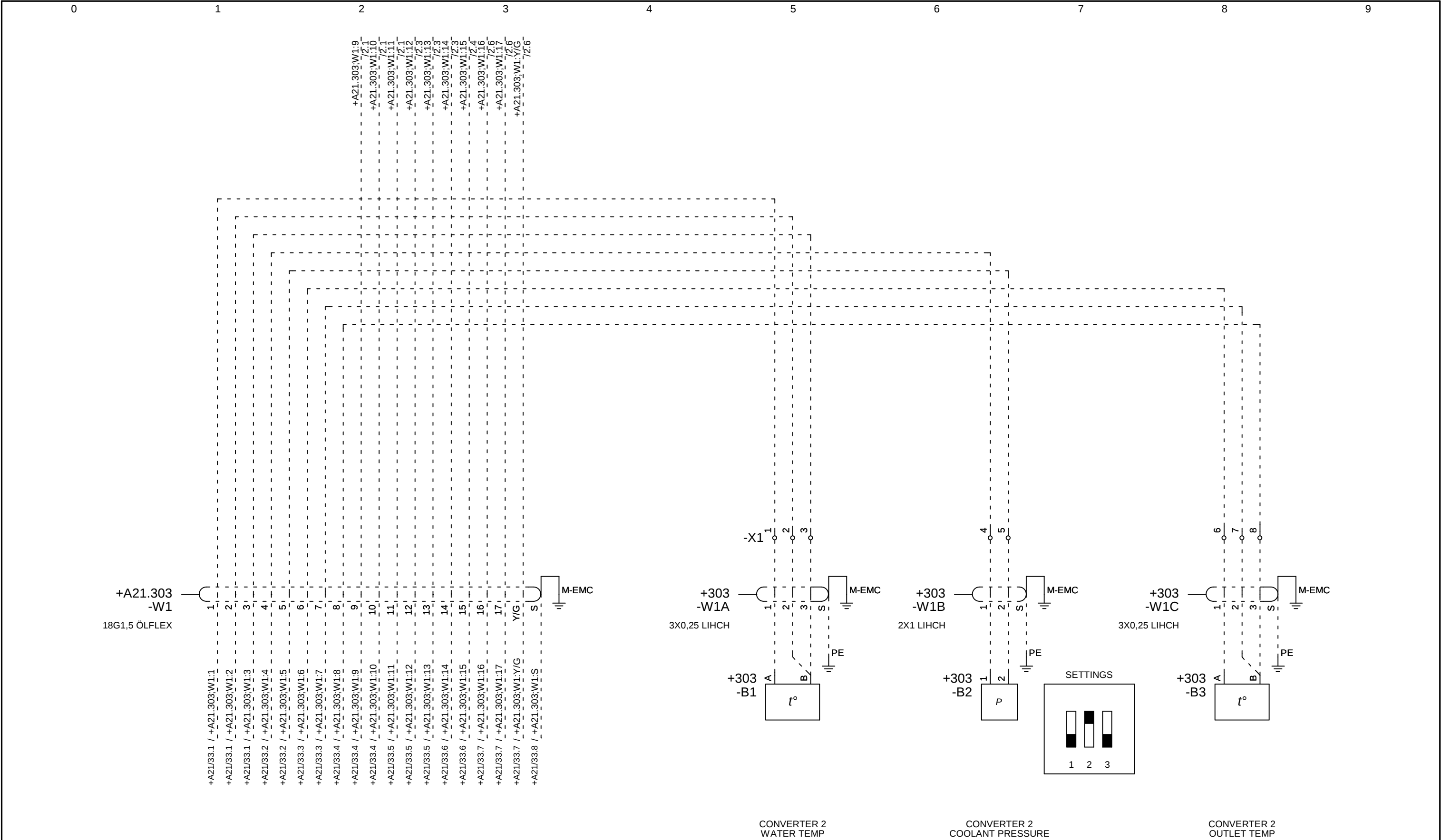
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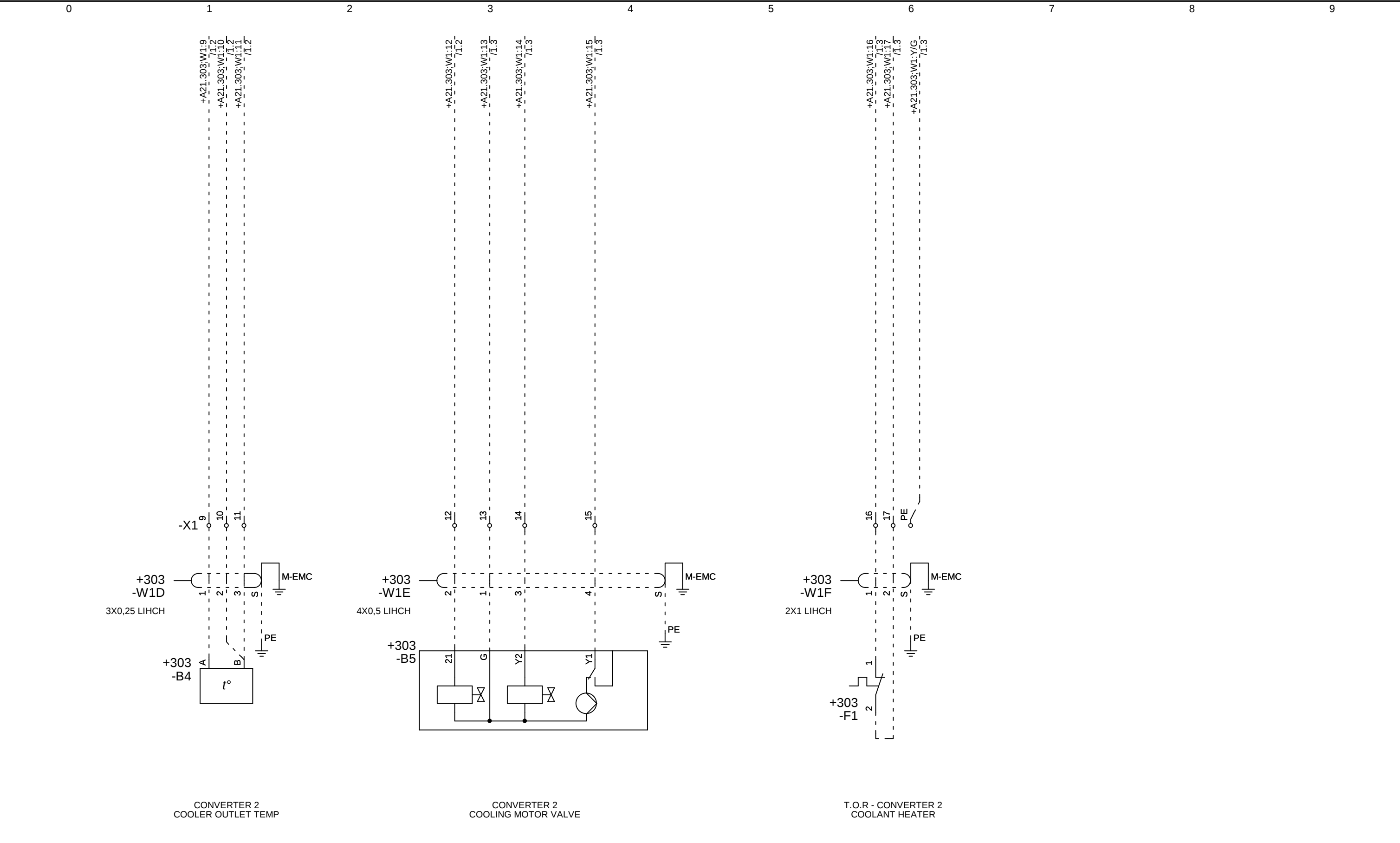


+A2102 DIAGRAM

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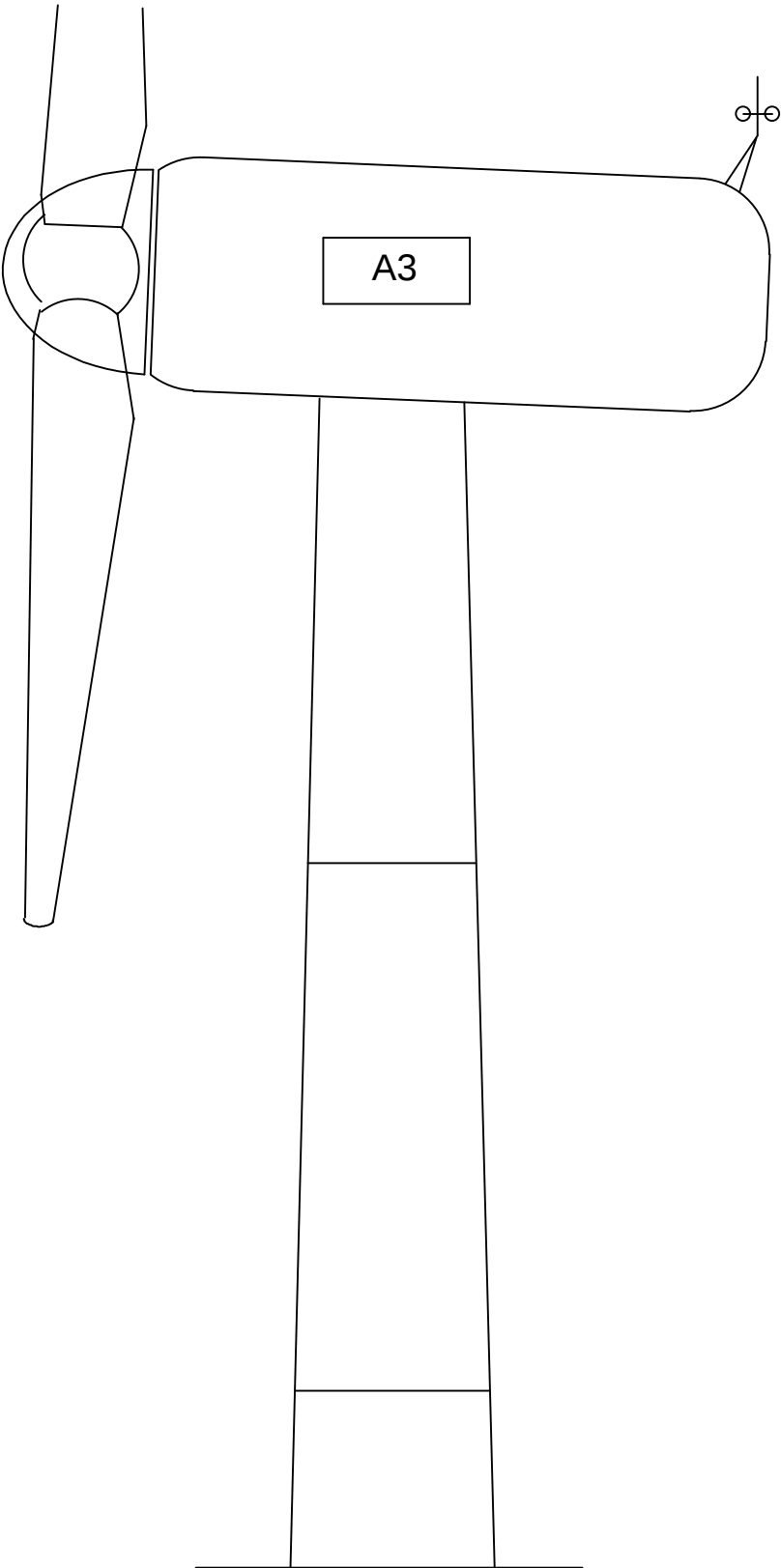




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		JASOE/mebje	215380MO			+A2102/+A2102 C

+A2102 COMPONENTS LIST

组件列表

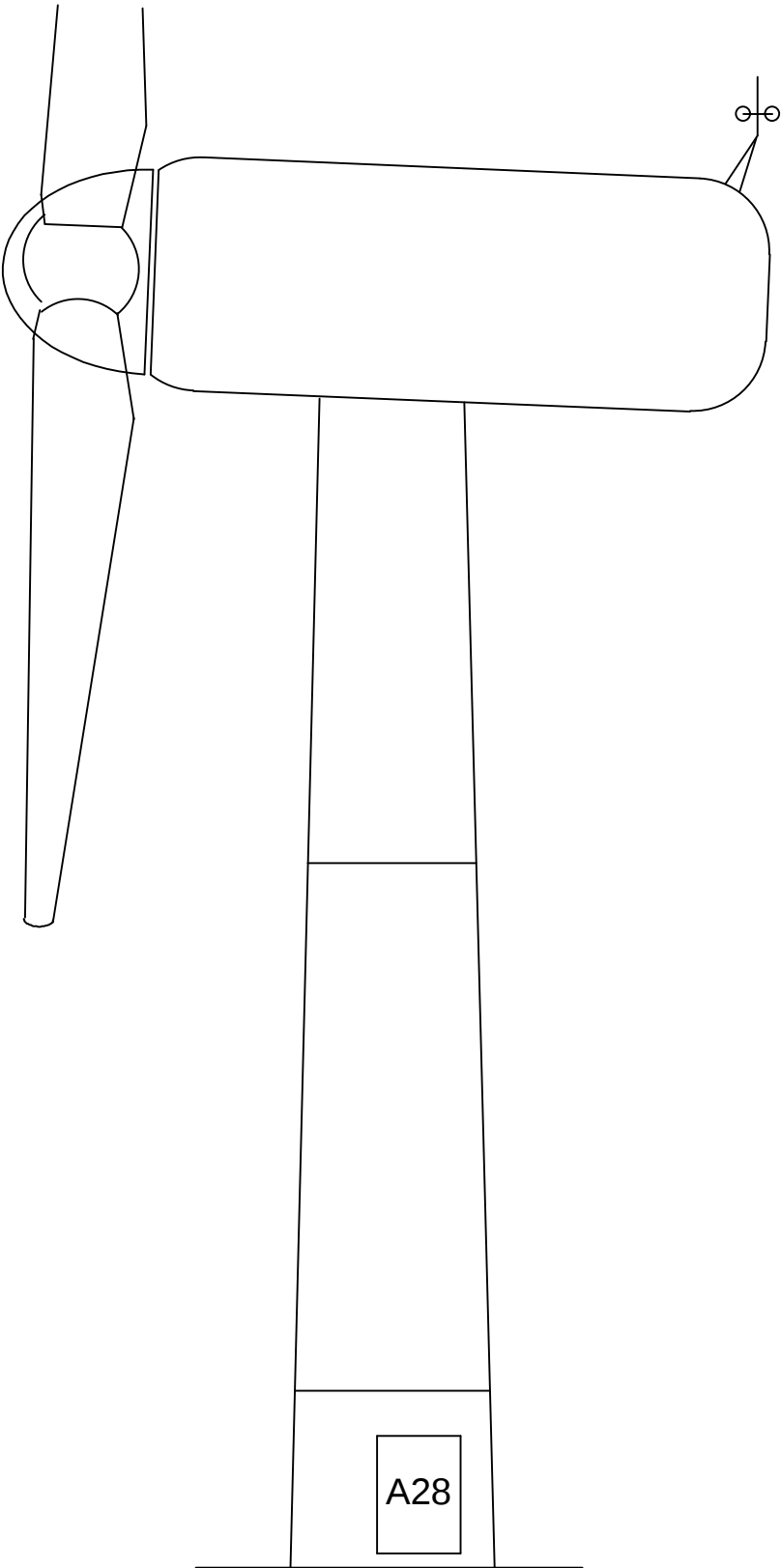


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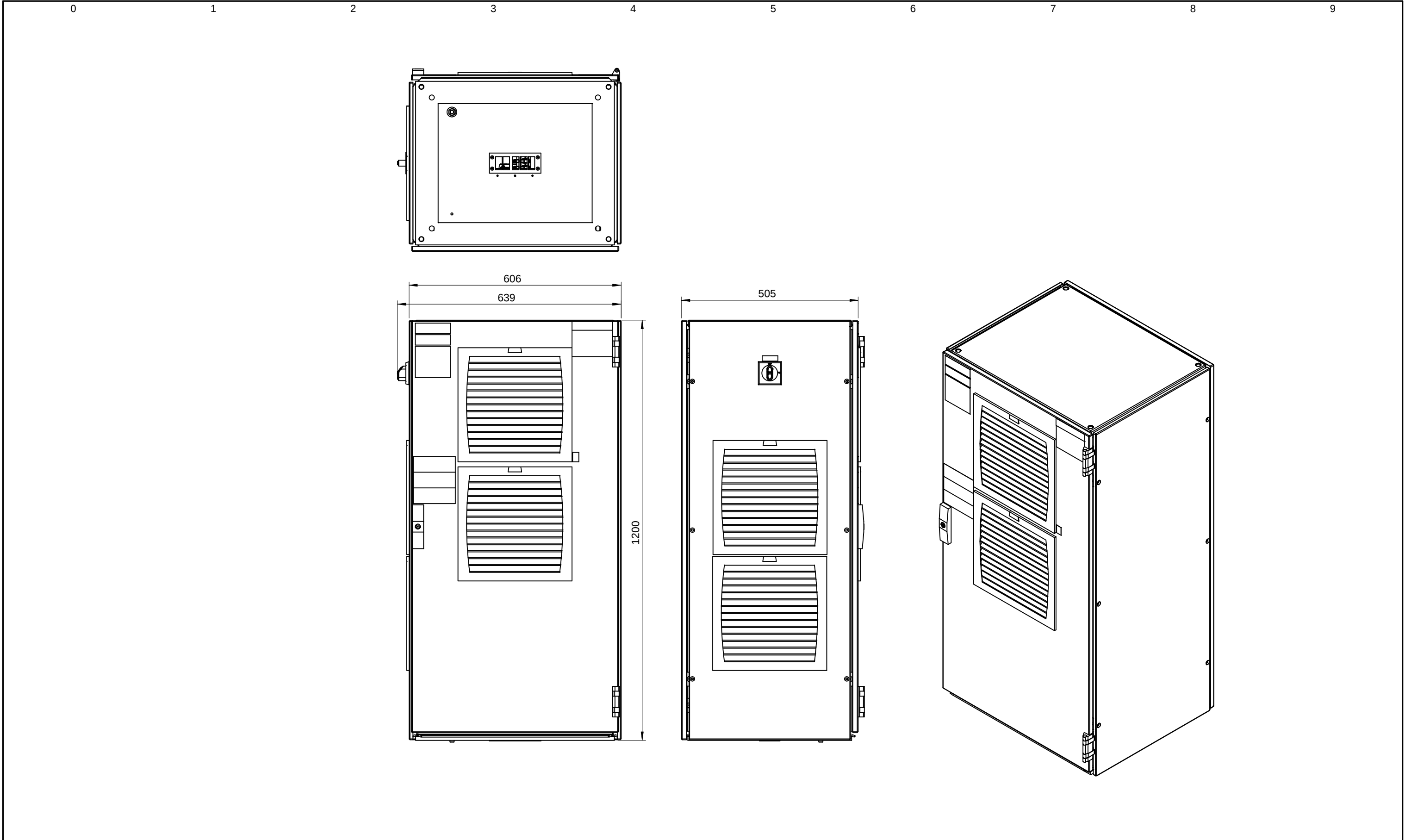
Components list

+A28 LAYOUTS

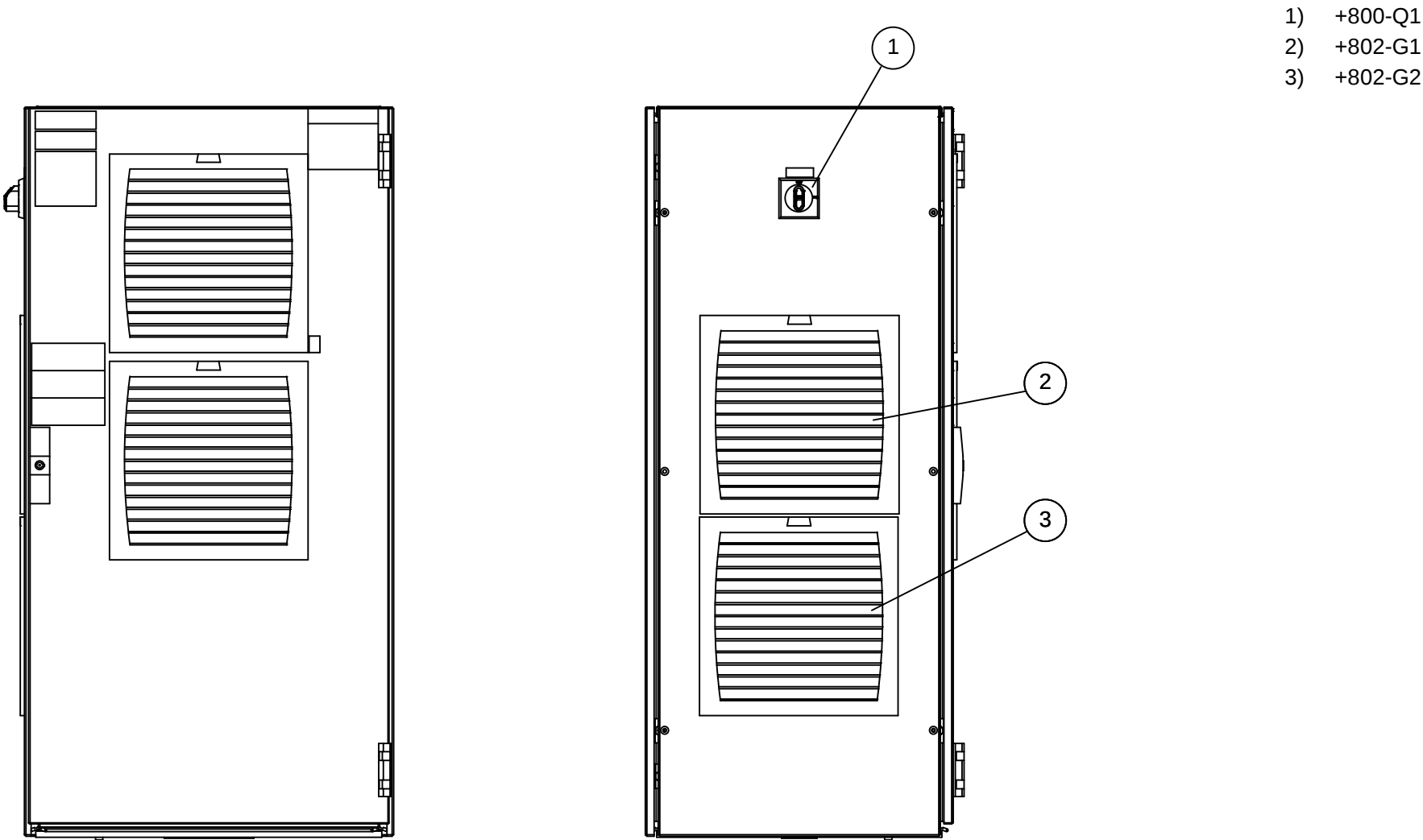
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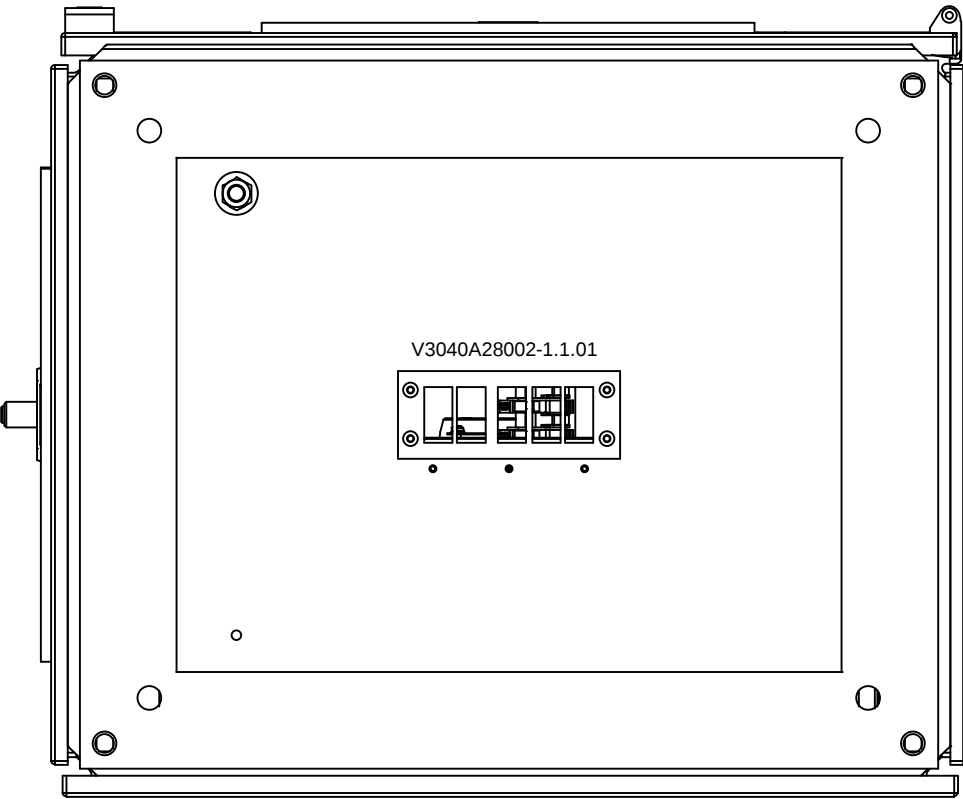


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+A2102/C-1		The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A28/L-1	



 kk-electronic a/s +A28/+A28 L	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL	Page Content	=V304002	
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		JASOE/mebje	V3040A28002			1040046	
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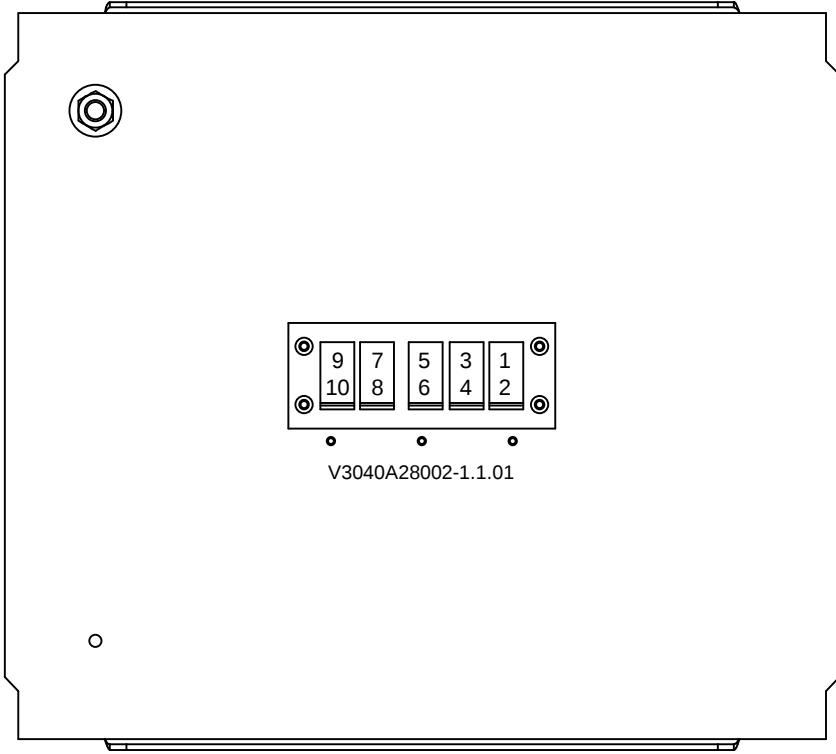




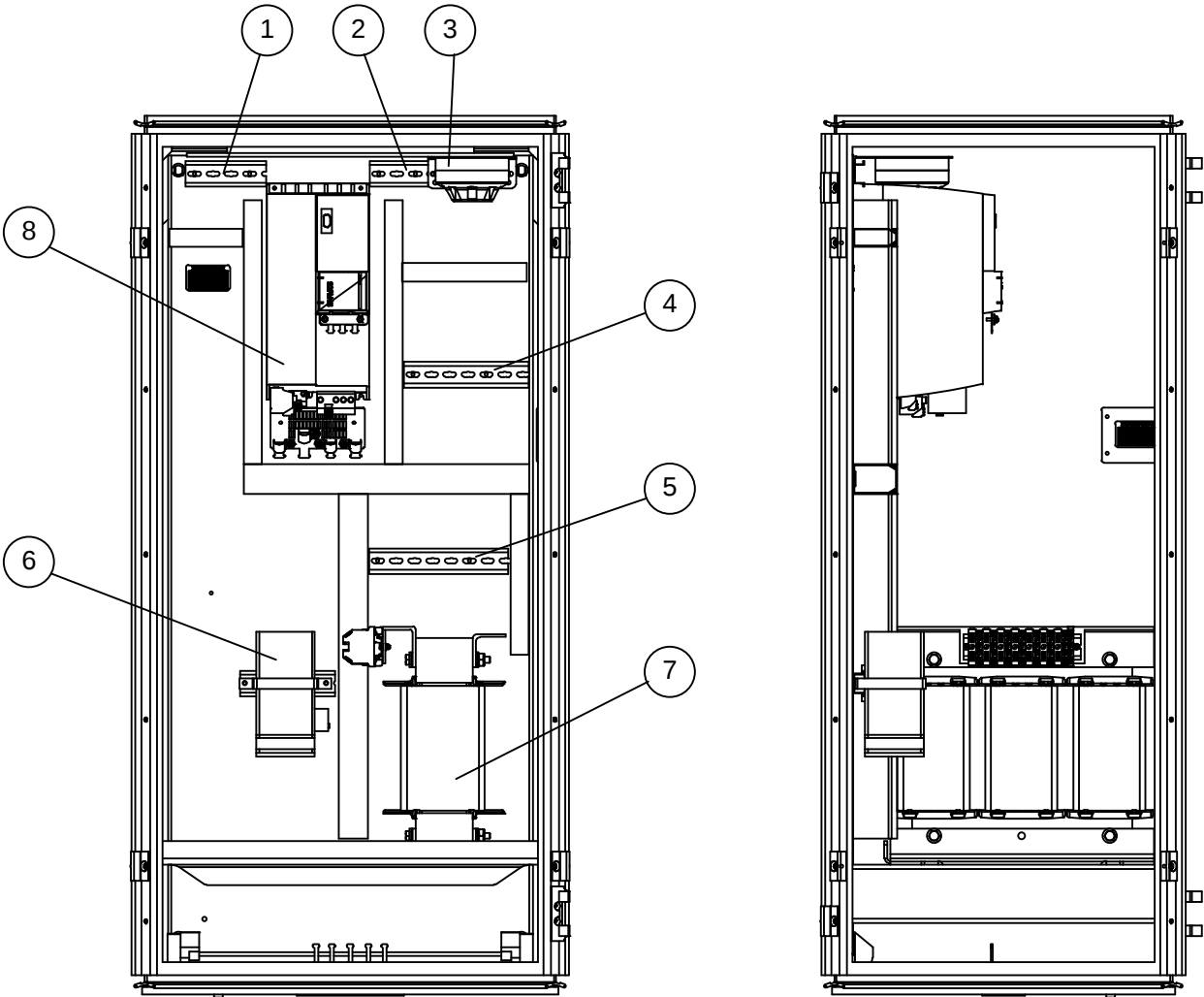
INSIDE VIEW



OUTSIDE VIEW



V3040A28002-1.1.01	1	SPARE	-	-	-	BTK		KEL 24/10	
	2	800.W1	802.T2	4G4 C110CY	13,6	KT13	ST13		
	3	SPARE	-	-	-	BTK			
	4	SPARE	-	-	-	BTK			
	5	SPARE	-	-	-	BTK			
	6	801.W1	801.X1	7x1 LIHCH	8,8	KT8	ST8		
	7	SPARE	-	-	-	BTK			
	8	808.W1	808.X1	3x1 LIHCH	7	KT6	ST6		
	9	SPARE	-	-	-	BTK			
	10	+A21.802.W1	800.X1	4G4 LSOH	14,8	KT15	ST15		



- 1) DIN RAIL 1
- 2) DIN RAIL 2
- 3) +808-B1
- 4) DIN RAIL 3
- 5) DIN RAIL 4
- 6) DIN RAIL 5
- 7) +800-T1
- 8) +800-T2

0

1

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4

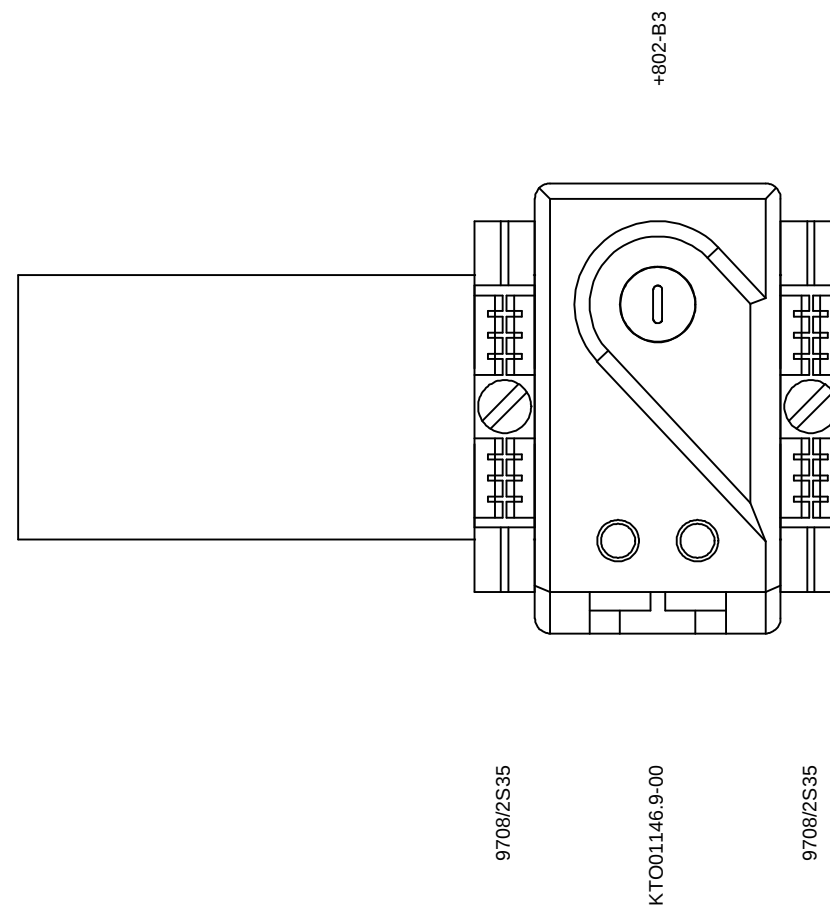
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9



kk-electronic a/s

SIEMENS

Date _____

2014-05-28

Rev. Date

kk-responsible

Item-no.

V3040A28002

ZCD-no:

1040046

SWT-4.0

WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL

Page Content

LAYOUT DIN RAIL 1

=V304002

+ A28

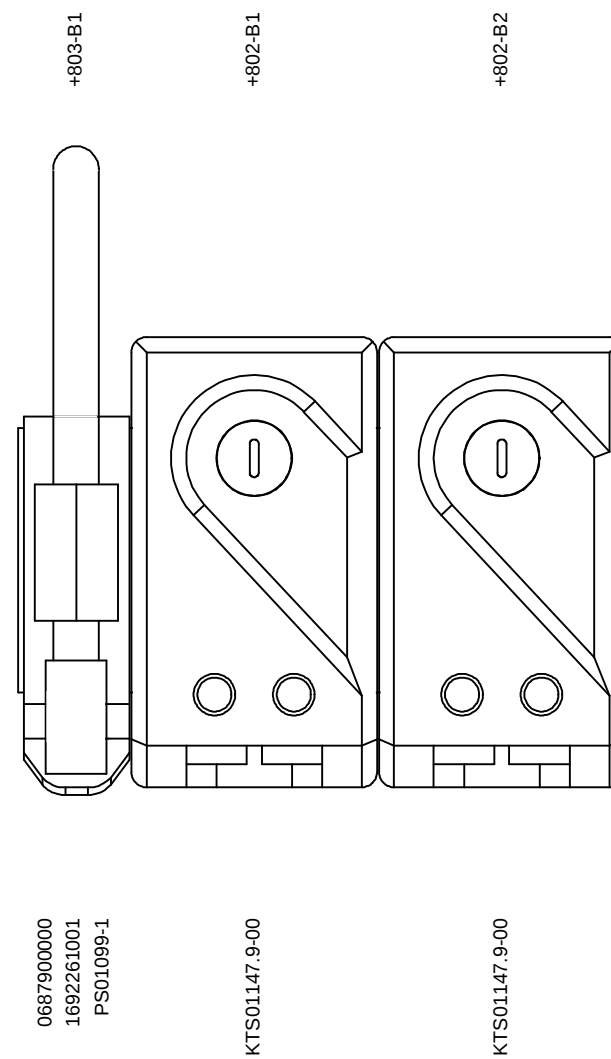
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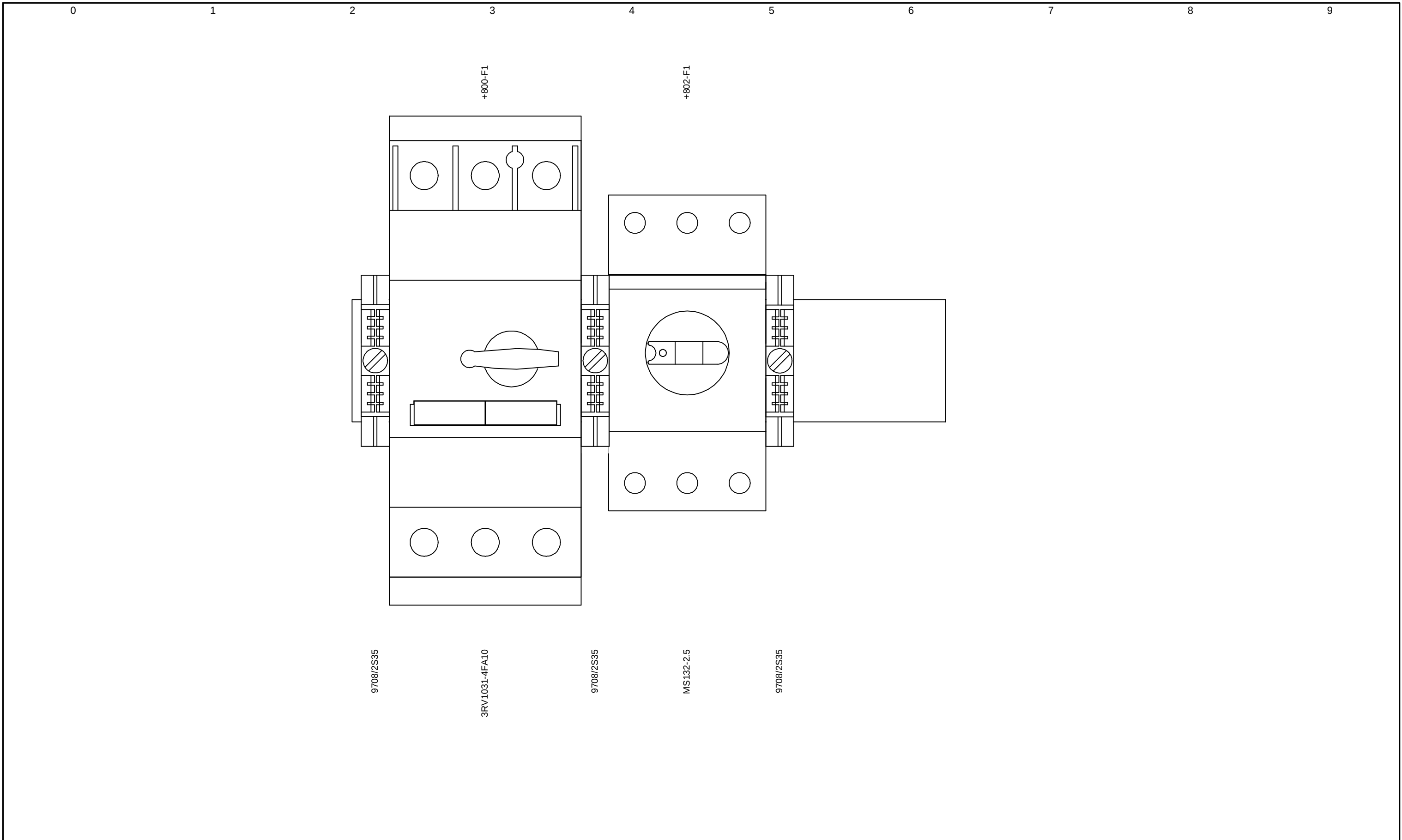
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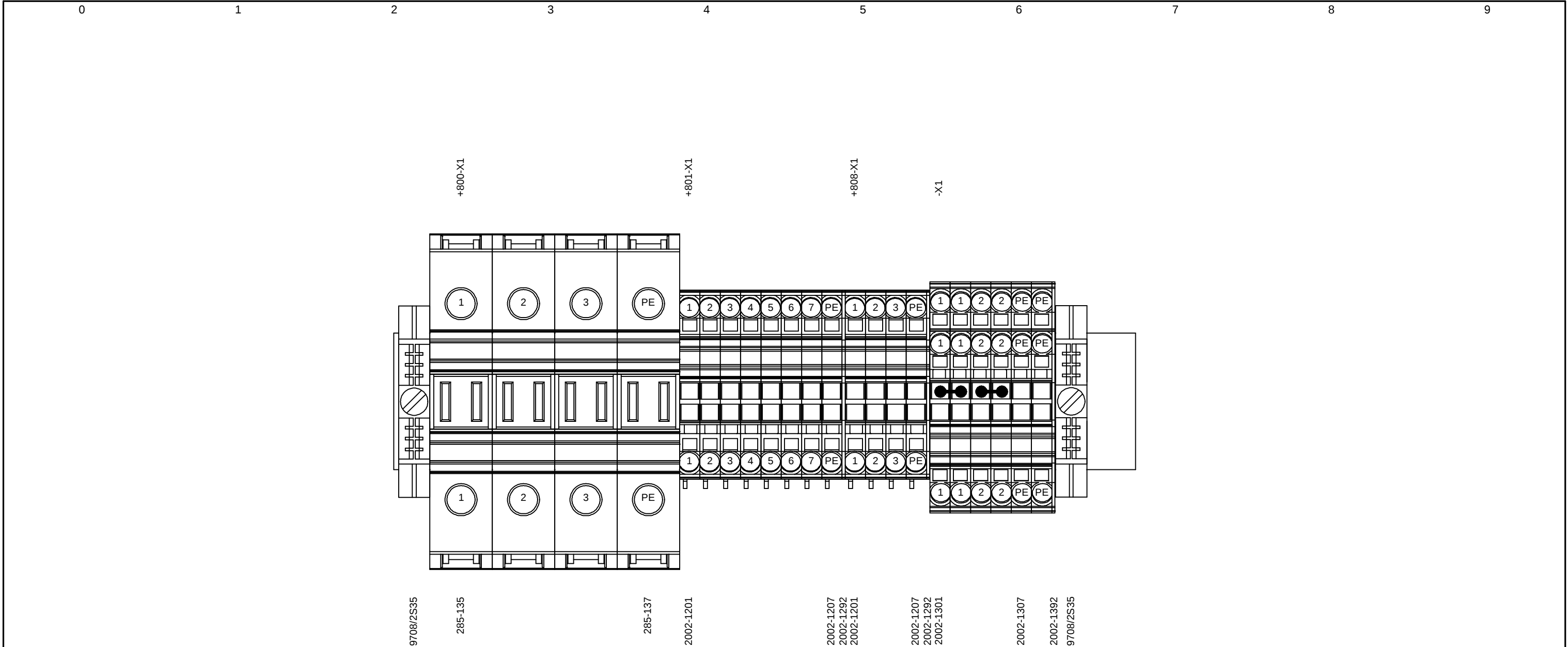
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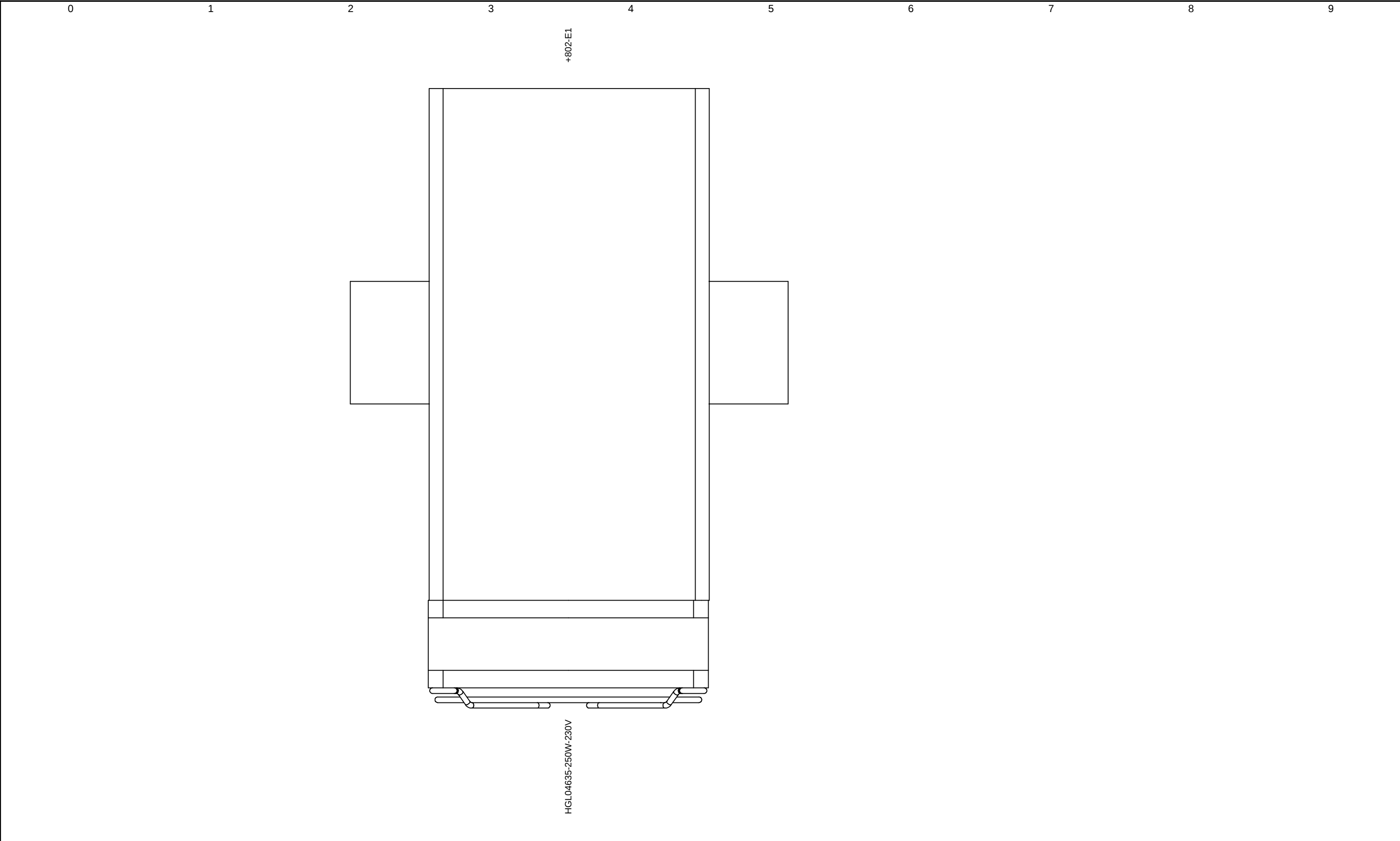
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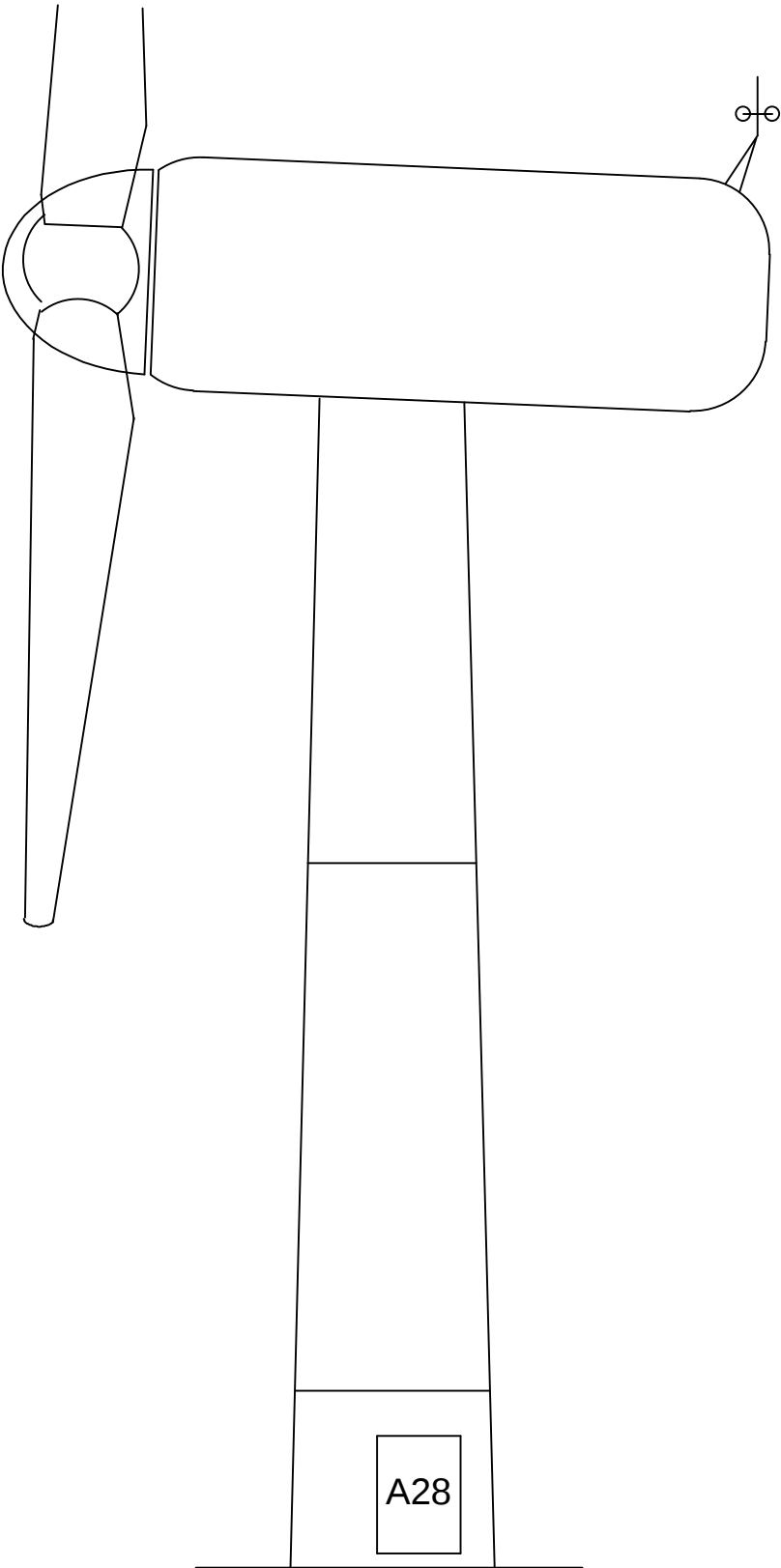


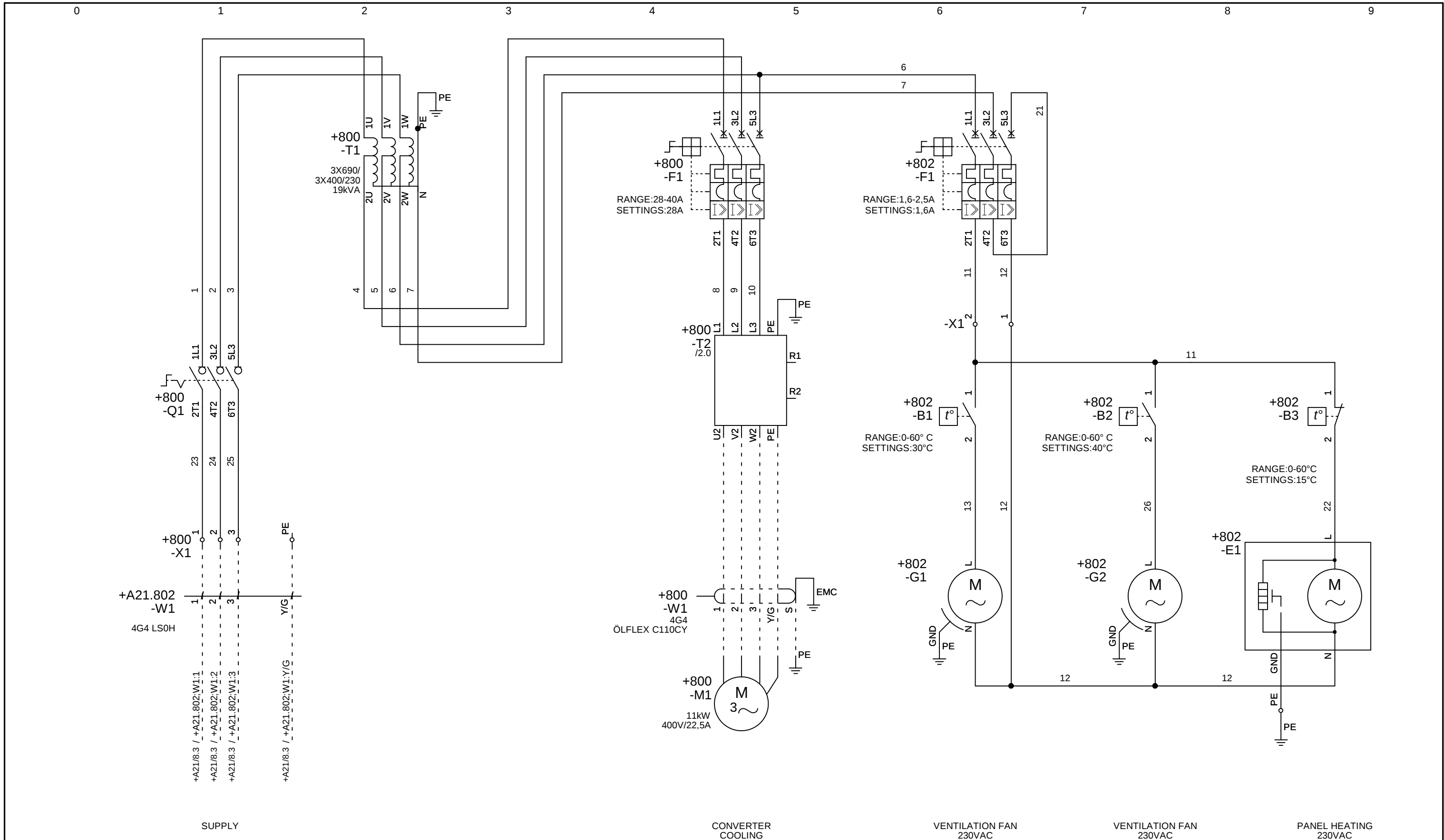




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The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.								+A28/+A28 D

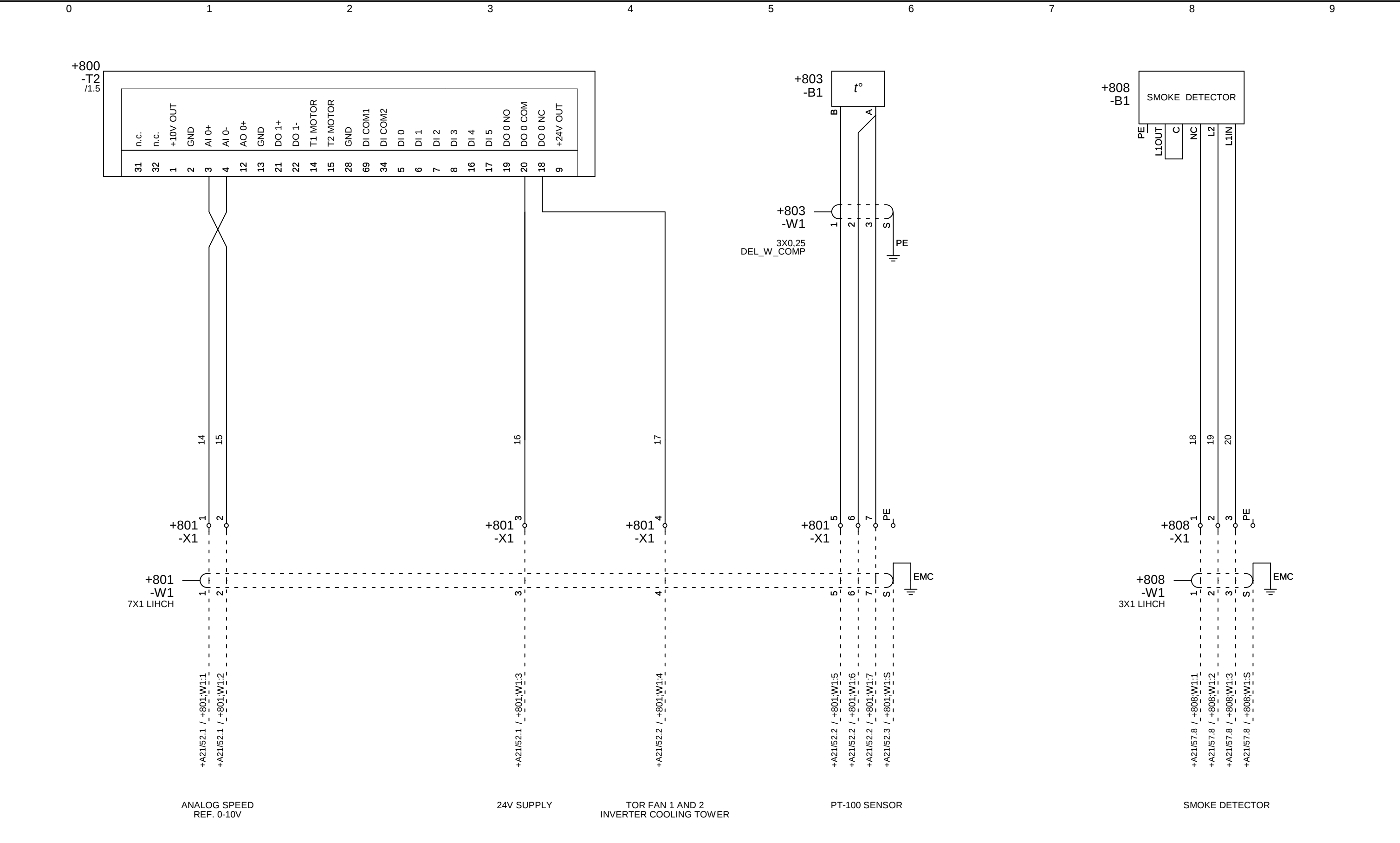
+A28 DIAGRAM



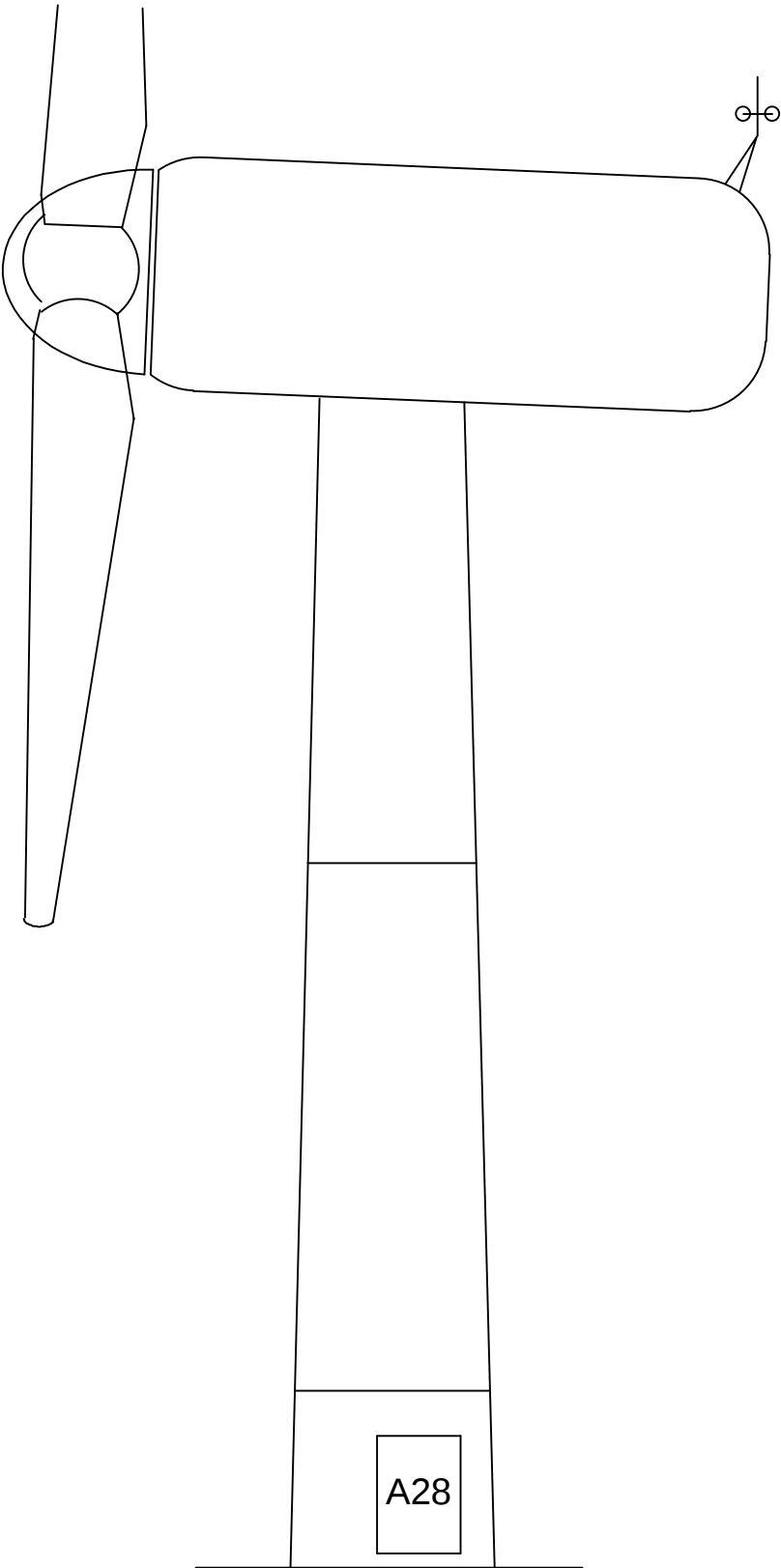


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		JASOE/mebje	1040046			+A28/2

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+A28 COMPONENTS LIST

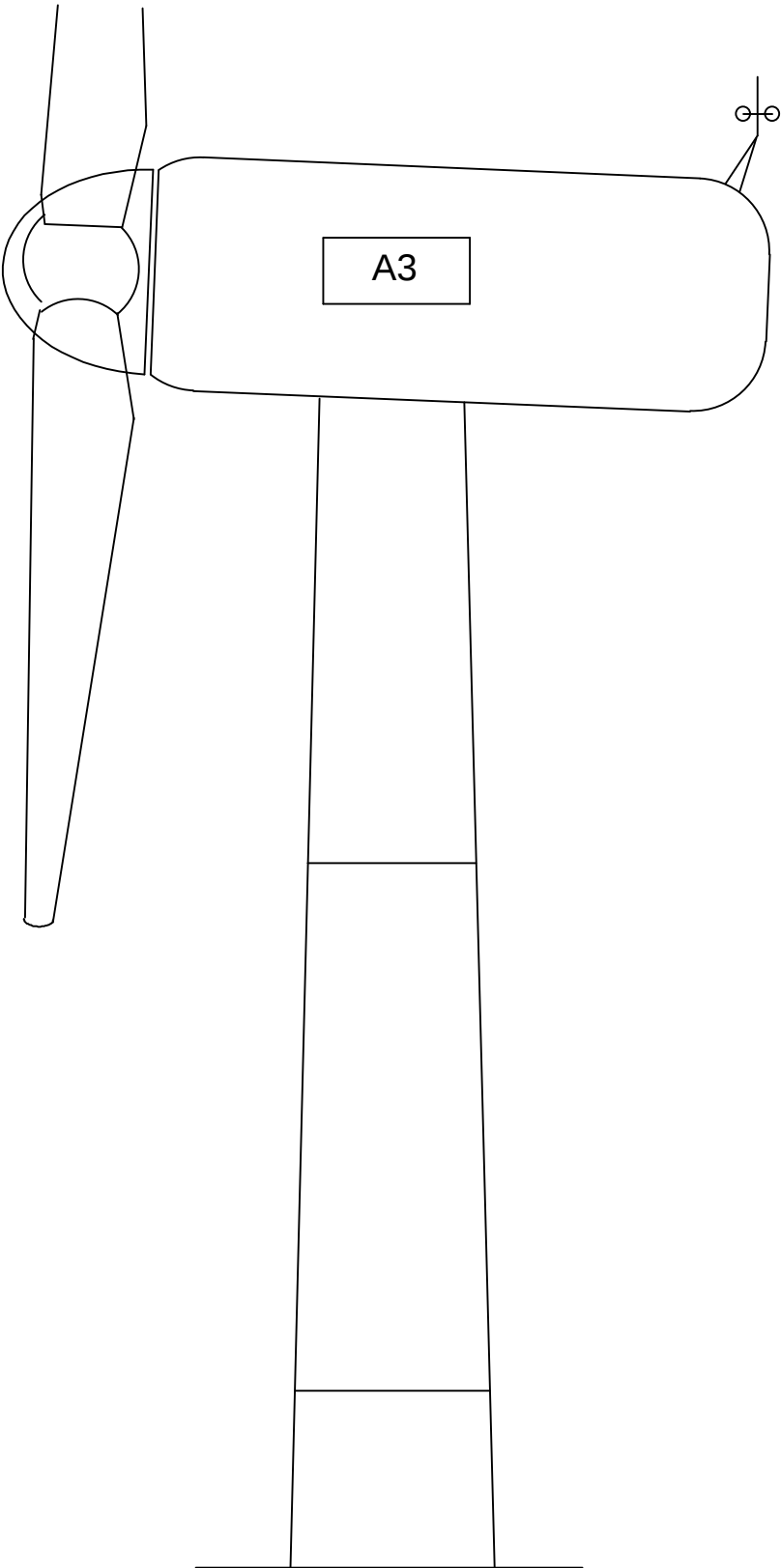


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		Item-no.	ZCD-no:			+A28 C
		JASOE/mebje	V3040A28002			
+A28/2		The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A28/C-1

Components list

	Component name	Part number	Description	SWP no.	Manufacturer	Ref.	Qty.
1	+A28-X1	2002-402	Push-in Jumper Bars 2-way		Wago	/L-9.6	2
2	+A28-X1	2002-1301	3-conductor		Wago	/1.6	4
3	+A28-X1	2002-1307	3-conductor earth		Wago	/1.8	2
4	+A28-X1	2002-1392	End and intermediate plate		Wago	/1.7	1
5	+A28-X1	9708/2S35	End stop reinforced	A9B00083081	Wieland	/1.9	1
6	+A28.800-F1	3RV1031-4FA10	Line cir.break.28-40A S2		Siemens	/1.5	1
7	+A28.800-F1	9708/2S35	End stop reinforced	A9B00083081	Wieland	/1.4	2
8	+A28.800-M1	NOT_KK_DEL	Not delivered by kk		VARIOUS	/1.5	1
9	+A28.800-Q1	OHBS2RJ	Rotary HNDL bl. IP65 fr. m. F/OT16ET-OT125ET	A9B10067767	ABB	/1.1	1
10	+A28.800-Q1	OT40FT3	Front operated, door mounted switch		ABB	/1.1	1
11	+A28.800-Q1	OTS40T3	OT 16..40F3, -FT3 Terminal shroud transparent		ABB	/1.1	1
12	+A28.800-T1	8-035-019000	Auto trafo 690/400V 19KVA 47-63Hz		Noratel	/1.2	1
13	+A28.800-T2	6SL3210-1KE23-2AB1	Inverter 15KW SINAMICS G120C		Siemens	/1.5	1
14	+A28.800-W1	NOT_KK_DEL	Not delivered by kk		VARIOUS	/1.4	-
15	+A28.800-X1	285-135	2-Conductor through terminal		Wago	/1.1	3
16	+A28.800-X1	285-137	2-Conductor earth terminal		Wago	/1.2	1
17	+A28.800-X1	9708/2S35	End stop reinforced	A9B00083081	Wieland	/1.0	1
18	+A28.801-W1	05990127	Cable 7X1 Lihch Datax	19746	Draka	/52.1	1
19	+A28.801-X1	2002-1201	2-conductor 2.5-4mm2		Wago	/2.1	7
20	+A28.801-X1	2002-1207	2-Conductor Earth	A9B10068599	Wago	/2.6	1
21	+A28.801-X1	2002-1292	End and intermediate plate		Wago	/2.6	1
22	+A28.802-B1	KTS01147.9-00	Thermostat 0-60C NO	A9B00017535	Stego	/1.6	1
23	+A28.802-B2	KTS01147.9-00	Thermostat 0-60C NO	A9B00017535	Stego	/1.8	1
24	+A28.802-B3	9708/2S35	End stop reinforced	A9B00083081	Wieland	/1.9	2
25	+A28.802-B3	KTO01146.9-00	Thermostat 0-60C NC,	A9B00017335	Stego	/1.9	1
26	+A28.802-E1	HGL04635-250W-230V	Heating element 250A w/fan		Stego	/1.9	1
27	+A28.802-F1	9708/2S35	End stop reinforced	A9B00083081	Wieland	/1.6	1
28	+A28.802-F1	MS132-2.5	Manual motor starter		ABB	/1.6	1
29	+A28.802-G1	PF66000-230V	Filter fan 230VAC 640 m3 RAL7035 Gen.4	A9B10024952	Pfannenber	/1.6	1
30	+A28.802-G2	PF66000-230V	Filter fan 230VAC 640 m3 RAL7035 Gen.4	A9B10024952	Pfannenber	/1.8	1
31	+A28.803-B1	0687900000	Bracket f.TS35 Dinrail M4 FM4/TS35		Weidmüller	/2.6	1
32	+A28.803-B1	1692261001	Clamp for Shield KLBÜ 3-8 SC		Weidmüller	/2.6	1
33	+A28.803-B1	PS01099-1	Sensor PT100 1M Ø6x60mm		Senmatic	/2.6	1
34	+A28.803-W1	DEL_W_COMP	Delivered with component		VARIOUS	/2.5	1
35	+A28.808-B1	04645	Detector Smoke Optical S65, 55000-317	A9B00083161	VARIOUS	/2.8	1
36	+A28.808-W1	05990122	Cable 3X1 Lihch Datax	A9B00019727	Draka	/57.7	-
37	+A28.808-X1	2002-1201	2-conductor 2.5-4mm2		Wago	/2.8	3
38	+A28.808-X1	2002-1207	2-Conductor Earth	A9B10068599	Wago	/2.8	1
39	+A28.808-X1	2002-1292	End and intermediate plate		Wago	/2.9	1

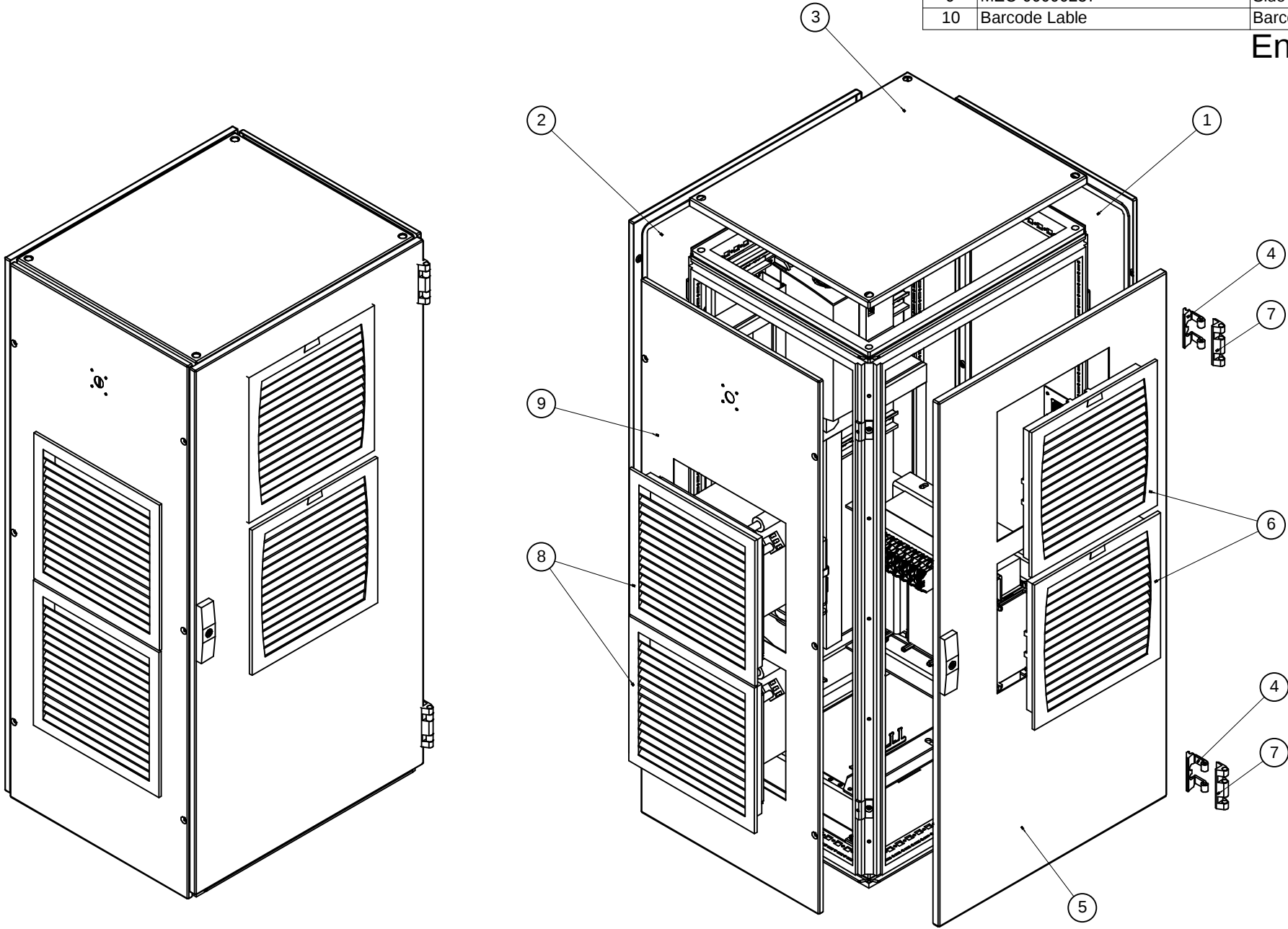
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		kk-responsible	Item-no.				ZCD-no:
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+A28/C-1		+A28/NEC-1					

Pos No.:	Type Number:	Item Name:	Qty.:
1	TS-8115.235	Side Panel, Screw-Fastened, Standard	1
2	TS-295.948	Rear Panel, Standard	1
3	TS-288.514	Top Panel, Standard	1
4	TS-Hinge 180 deg	TS-Hinge 180 Degrees, Enclosure Section	2
5	MEC-00000254	Singel Door TS W600xH1200	1
6	PFA60000	Output filter RAL 7035 Gen.4	2
7	TS-Hinge 180 deg	TS-Hinge 180 Degrees, Door Section	2
8	PF6000A230AC-7035	Filter fan 230VAC 606 m3 RAL7035 Reverse Gen.3	2
9	MEC-00000257	Side Panel TS H1200xD500	1
10	Barcode Lable	Barcode Label W60XH35	1

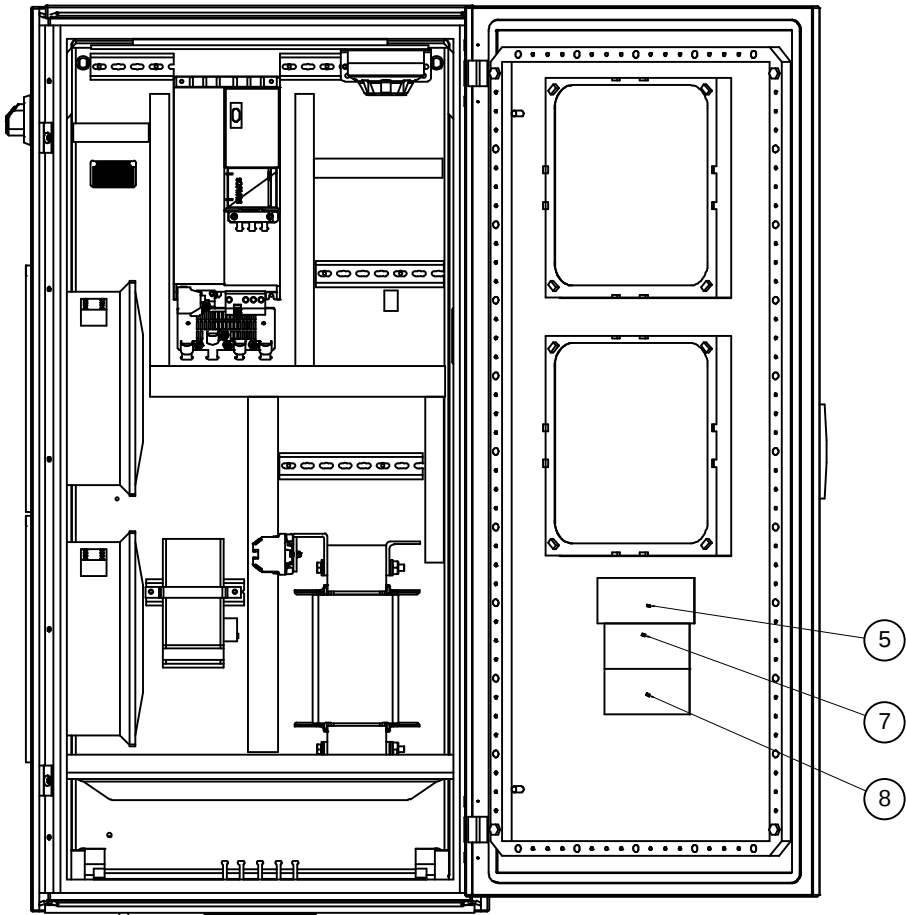
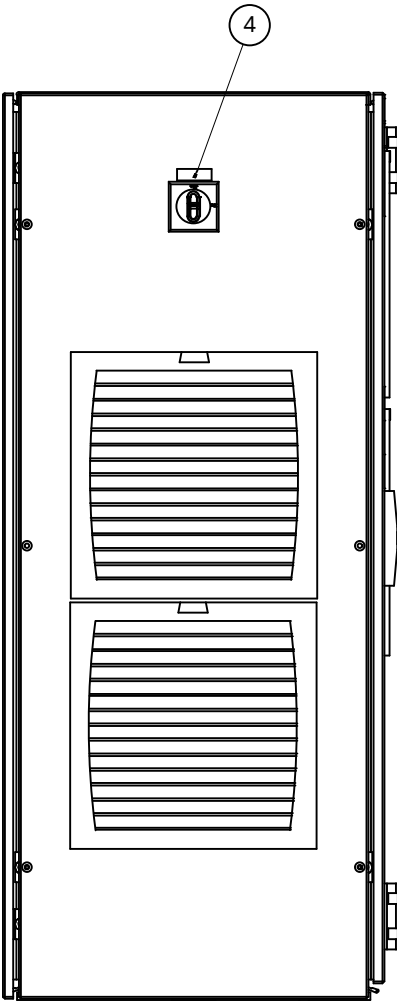
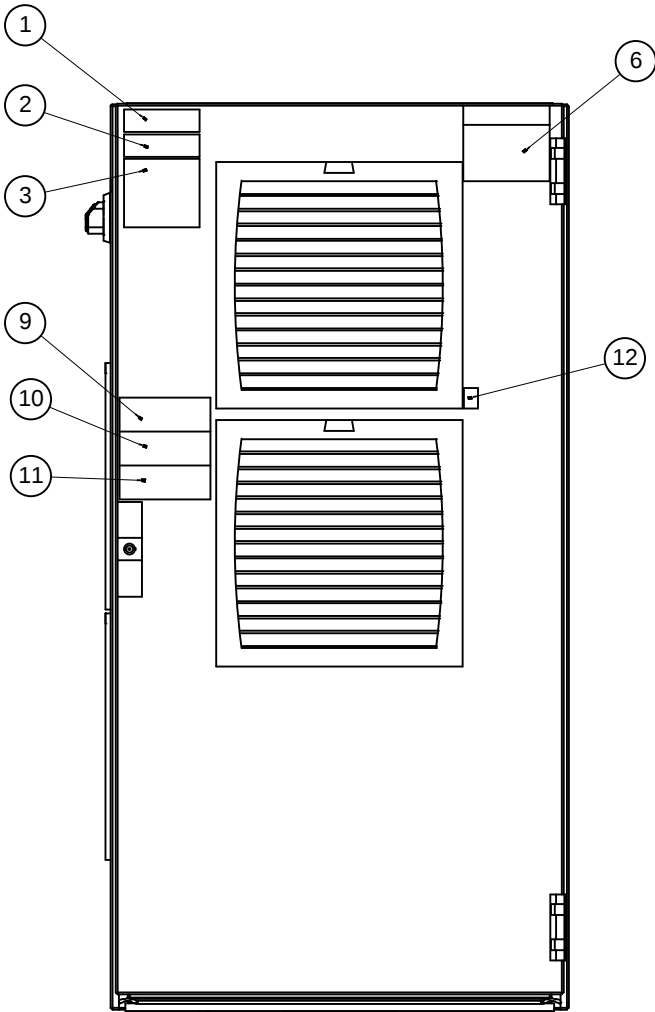
Enclosure manufacturer: Rittal



 kk-electronic a/s +A28/+A28 NEC	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL	Page Content NON ELECTRICAL COMPONENTS LIST LABELS - PLACEMENT	=V304002
		2014-05-28				+A28
		Item-no.	ZCD-no:			NEC-1
		JASOE/mebje	1040046			+A28/NEC-2

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Pos No.:	Type Number:	Item Name:	Qty.:
1	POS-101-100X30-GREY	kk-Label	1
2	POS-102-100X30-GREY	kk-Label	1
3	POS-201-100X90-GREY	kk-Label	1
4	POS-301-45X15-GREY	kk-Label	1
5	POS-901-165X60-GREY	kk-Label	1
6	ArchFlash	ArchFlash label	1
7	POS-501-145X60-RED	kk-Label	1
8	POS-502-145X60-RED	kk-Label	1
9	POS-1601-120X45-RED	kk-Label	1
10	POS-1801-120X45-YELLOW	kk-Label	1
11	POS-1901-120X45-YELLOW	kk-Label	1
12	POS-2001-18x27-GREY	kk-Label	1





Industrial Control Panel for Wind Turbine Generators

KK-electronic item no: V3040A28002

Siemens Wind Power item no: A9B10078281

kk-electronic a/s

Type Rating: Type 5

101



Recognized Component

Conforms to UL standard: UL508A

Certified to CAN/CSA standard: C22.2 No. 14-10

Intertek

Control no: 4003248

102



kk-electronic

Type: V3040A28002

Rated power: 19KW

Frequency: 50/60Hz

Voltage: 3x690VAC

Rated current: 25A

Max short-circuit current: 7kA

System earthing: TN

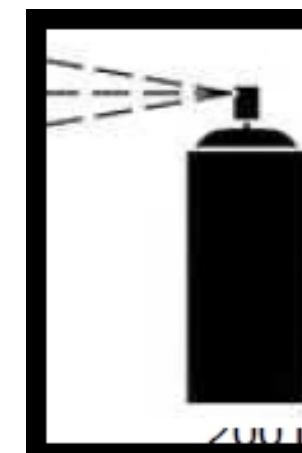
201

800-Q1
SWITCH DISCONNECTOR
690V SUPPLY

301

No	Setting	Type	Range	Descriptions
800-F1	28A	3RV1031	28-40A	Converter Cooling
802-F1	1.6A	MS132	1.6-2.5A	Panel Heating/Cooling

901



WARNING

Combination Motor Controller - Instantaneous Trip Circuit Breakers

-To maintain overcurrent, short-circuit, and ground-fault protection, the manufacturer's instructions for selecting current elements and setting the instantaneous-trip circuit breaker shall be followed.

-Tripping of the instantaneous-trip circuit breaker is an indication that a fault current has been interrupted. Current-carrying components of the magnetic motor controller should be examined and replaced if damaged to reduce the risk of fire or electric shock. If burnout of the current element of an overload relay occurs, the complete overload relay shall be replaced.

501

WARNING

Combination Motor Controller - Combination Motor controllers

-To maintain overcurrent, short-circuit, and ground-fault protection, the manufacturer's instructions for selection of overload and short circuit protection shall be followed to reduce the risk of fire or electric shock.

-If an overload or a fault current interruption occurs, circuits shall be checked to determine the cause of the interruption. If a fault condition exists, the current-carrying components should be examined and replaced if damaged, and the integral current sensors shall be replaced to reduce the risk of fire or electric shock.

502



WARNING

ARC FLASH HAZARD APPROPRIATE PPE REQUIRED

Equipment Type	690V MCC and panels
Grounding	Grounded
Work Distance	14 inches (360 mm)
Available 3-Ph Bolted Current	6.972 kA
Flash Protection Boundary (FPB)	9 inches
Incident Energy @ FPB	1.20 cal/cm ²
Incident Energy @ Work Distance	0.60 cal/cm ²
Hazard Risk Category	0
Equipment Name:	V3040A28002
printed from www.arcadvisor.com on Jul 5, 2013	



SIEMENS

Date

2014-05-28

Rev. Date

kk-responsible

Item-no.

ZCD-no:

JASOE/mebje

V3040A28002

1040046

kk-electronic a/s

+A28/NEC-2

SWT-4.0

WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL

Page Content

NON ELECTRICAL COMPONENTS LIST
LABELS - DETAILS

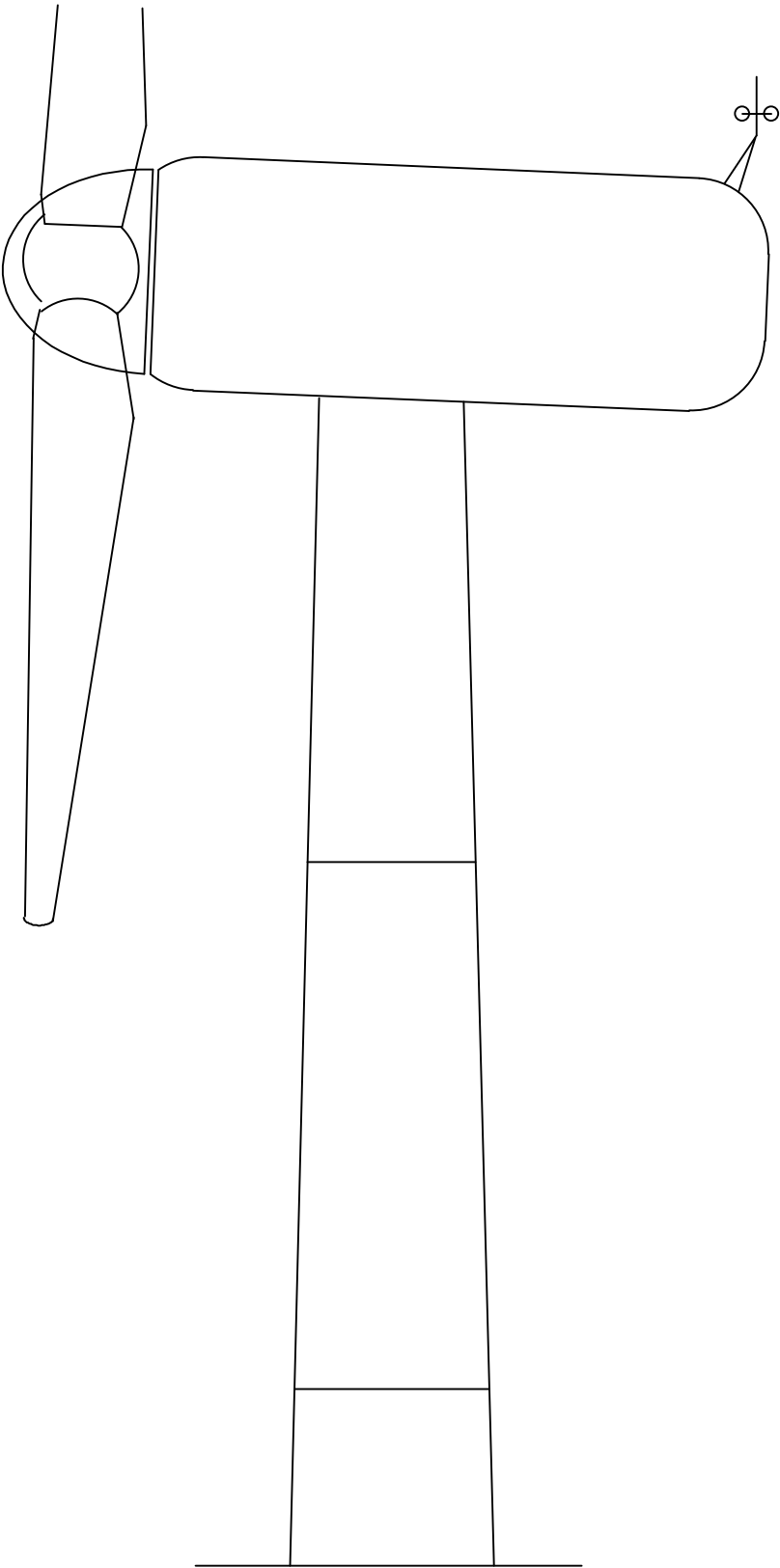
=V304002

+A28

NEC-3

+A202_FP FLANGE PLATE kk-module 294

进出线图解

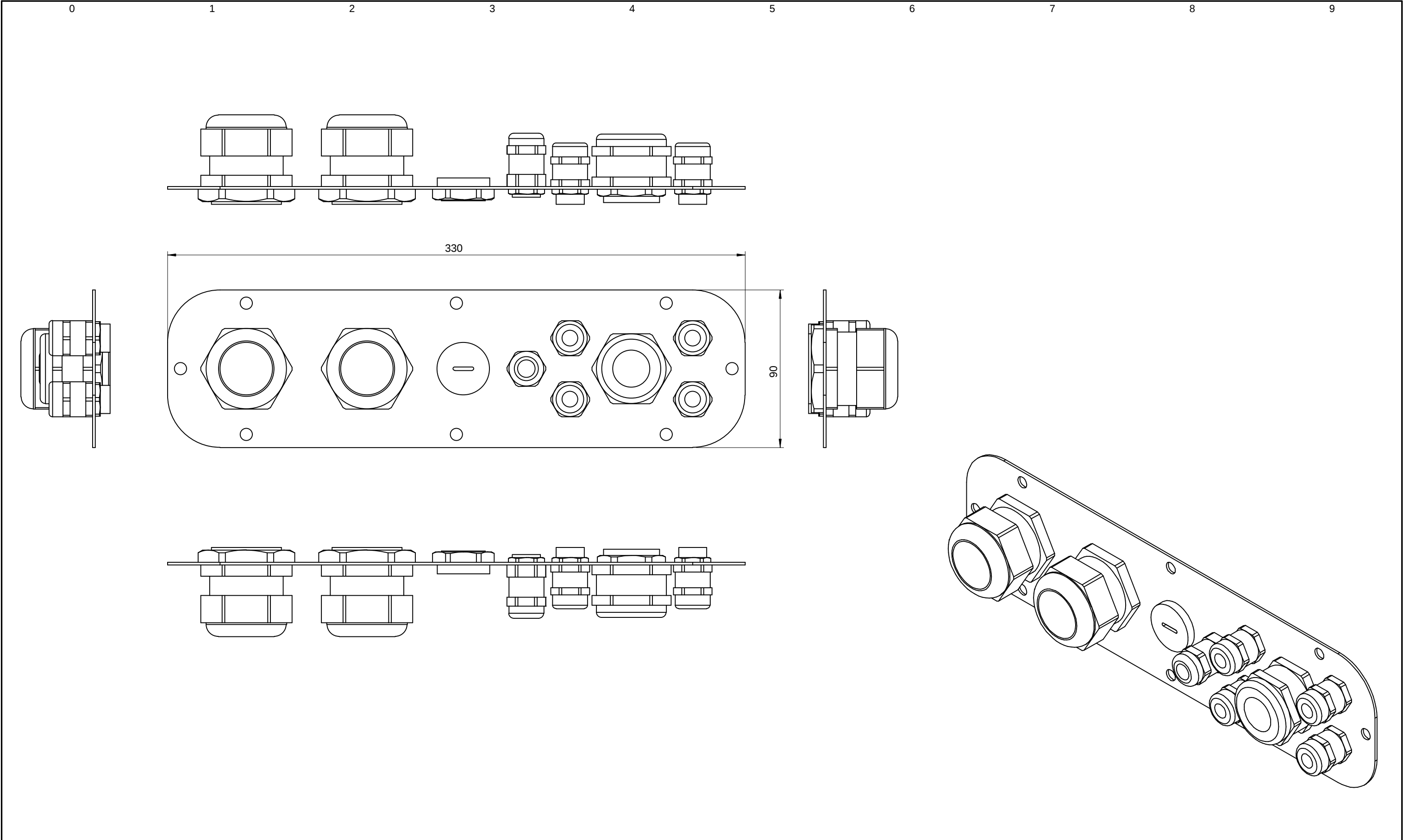


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		2014-05-28			+A202_FP FLANGE PLATE kk-module 294	+A202_FP
		kk-responsible	ZCD-no:			+A202_FP L
	JASOE/mebje	Item-no.	1040046			
		215434MO				

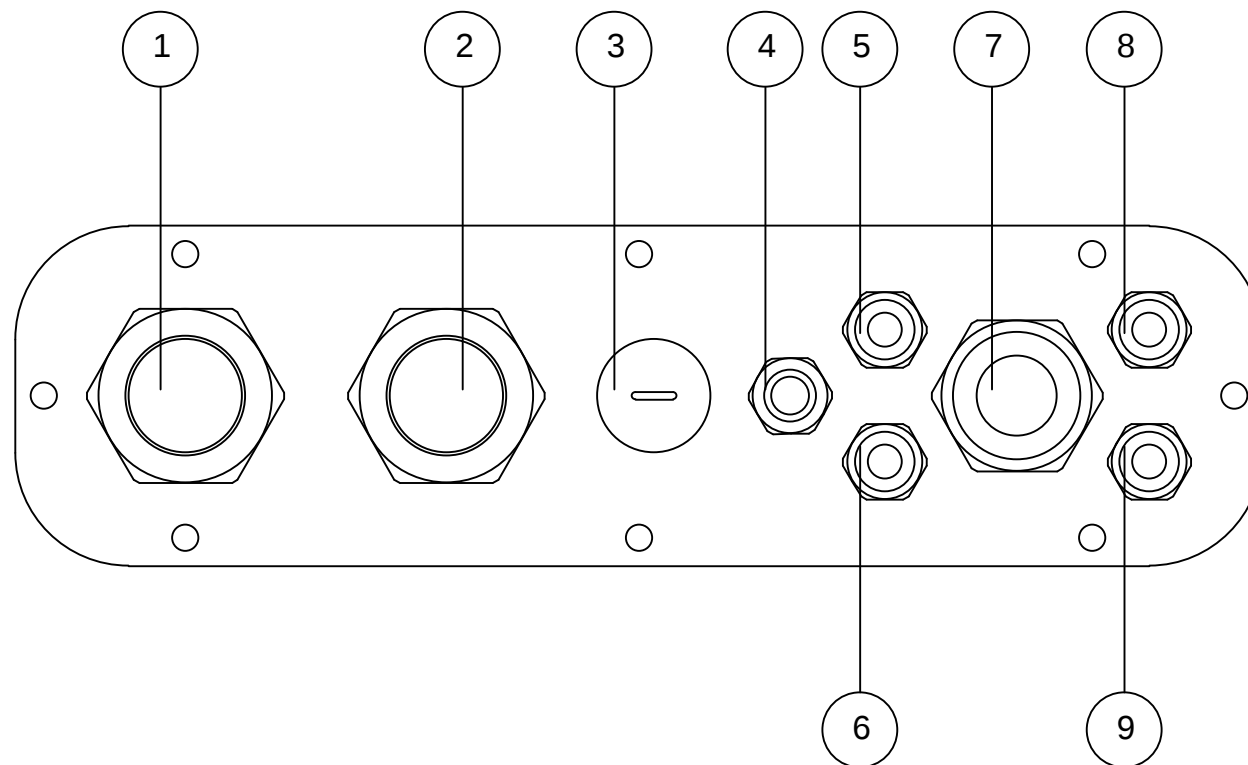
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+A202_FP/L-1



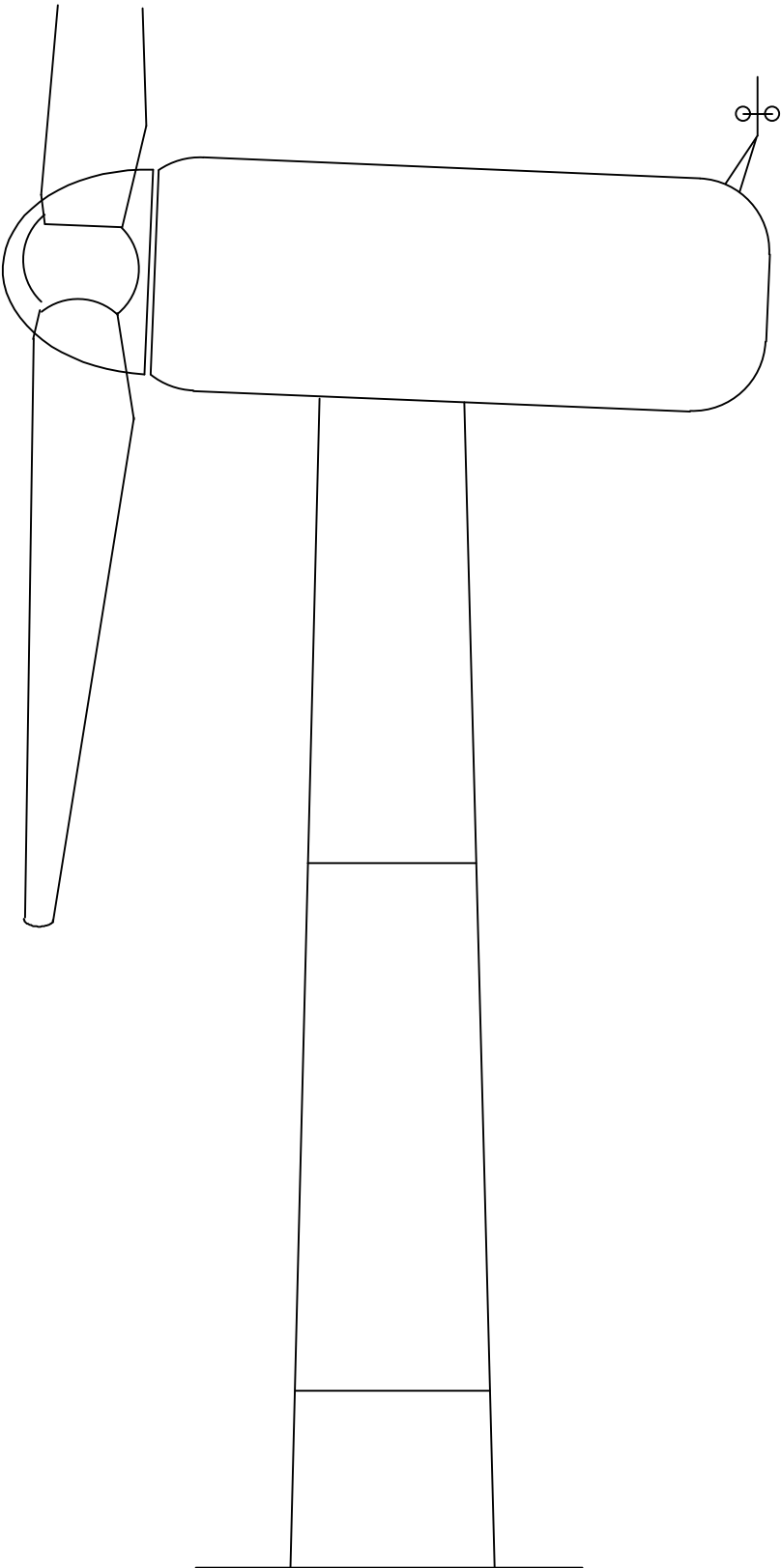
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		2014-05-28				+A202_FP
		Item-no.	ZCD-no:		OVERVIEW LAYOUT	L-1
		JASOE/mebje	1040046			+A202_FP/L-2



POS. NO.:	DESCRIPTION:	Cable no.:	QTY.:
1	M40-PLAST	+A21.809-W3.1	1
2	M40-PLAST	+A21.809-W3.2	1
3	M25-BLIND	+A21.810-W1	1
4	M16-EMC-D	+A21.810-W4	1
5	M16-EMC	+A21.301-W2	1
6	M16-EMC	+A21.808-W8	1
7	M32-EMC	+A21.809-W24	1
8	M16-EMC	+A21.808-W9	1
9	M16-EMC	+A202.808-W5	1

+A202 NON ELECTRICAL COMPONENTS LIST

非电气元件清单



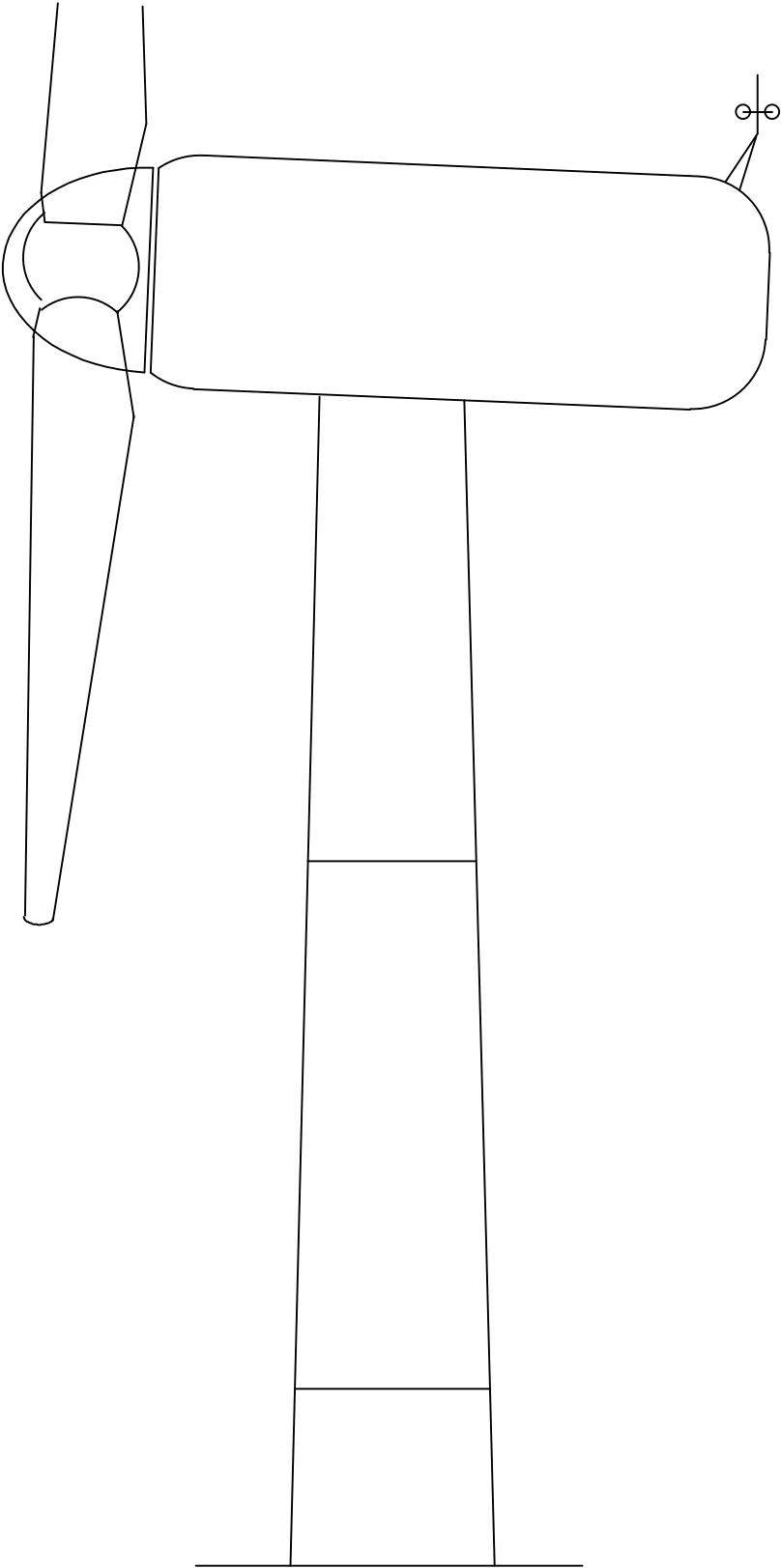
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		JASOE/mebje	215434MO				1040046	
+A202_FP/L-2		The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.					+A202_FP/NEC-1	

kk-electronic item no: kk-module 294

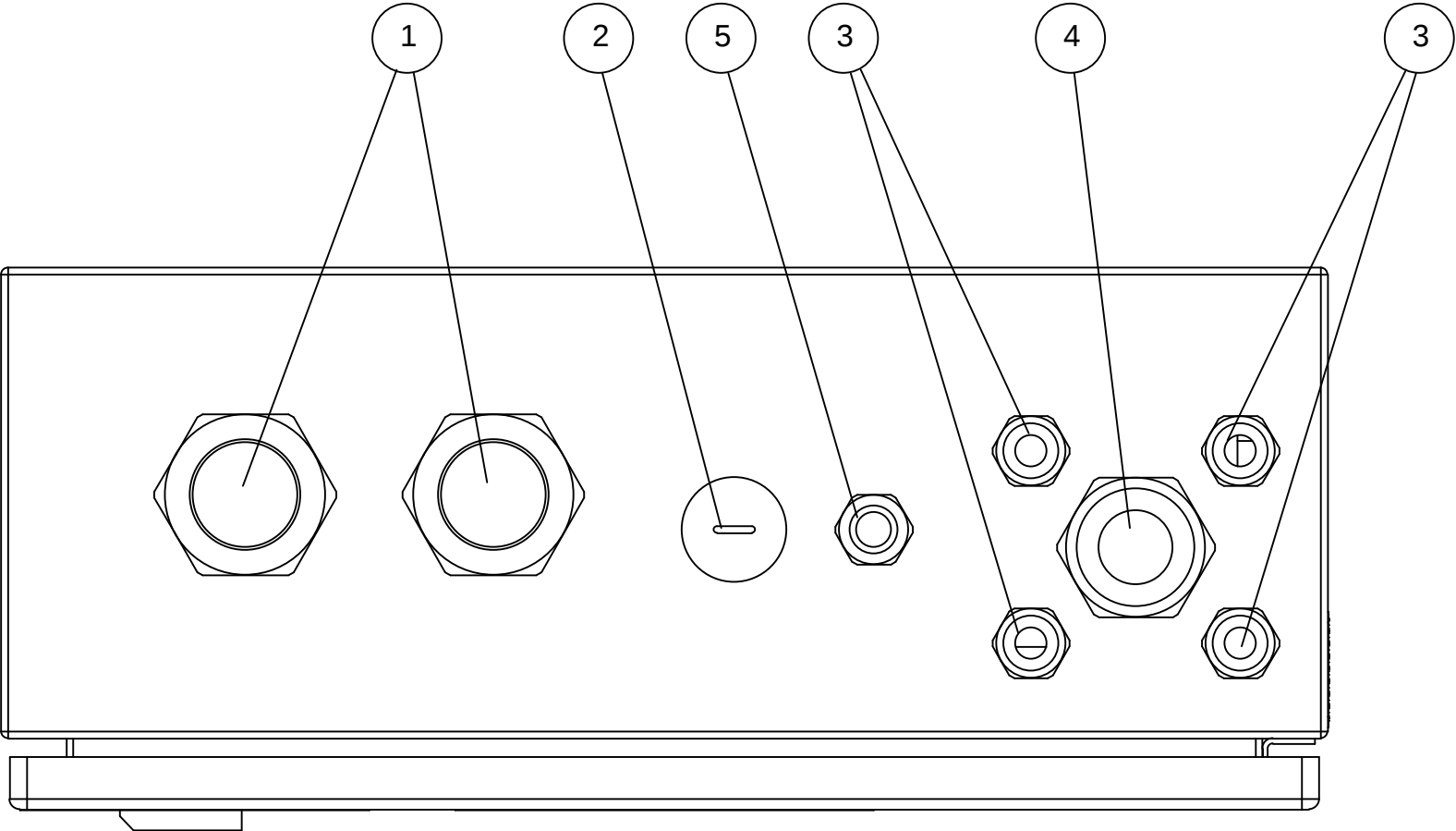
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		kk-responsible	Item-no.		ZCD-no:	NEC-1	
		JASOE/mebje	215434MO		1040046		
+A202_FP/+A202_FP				The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.			+A202/+A202 L

+A202 LAYOUTS

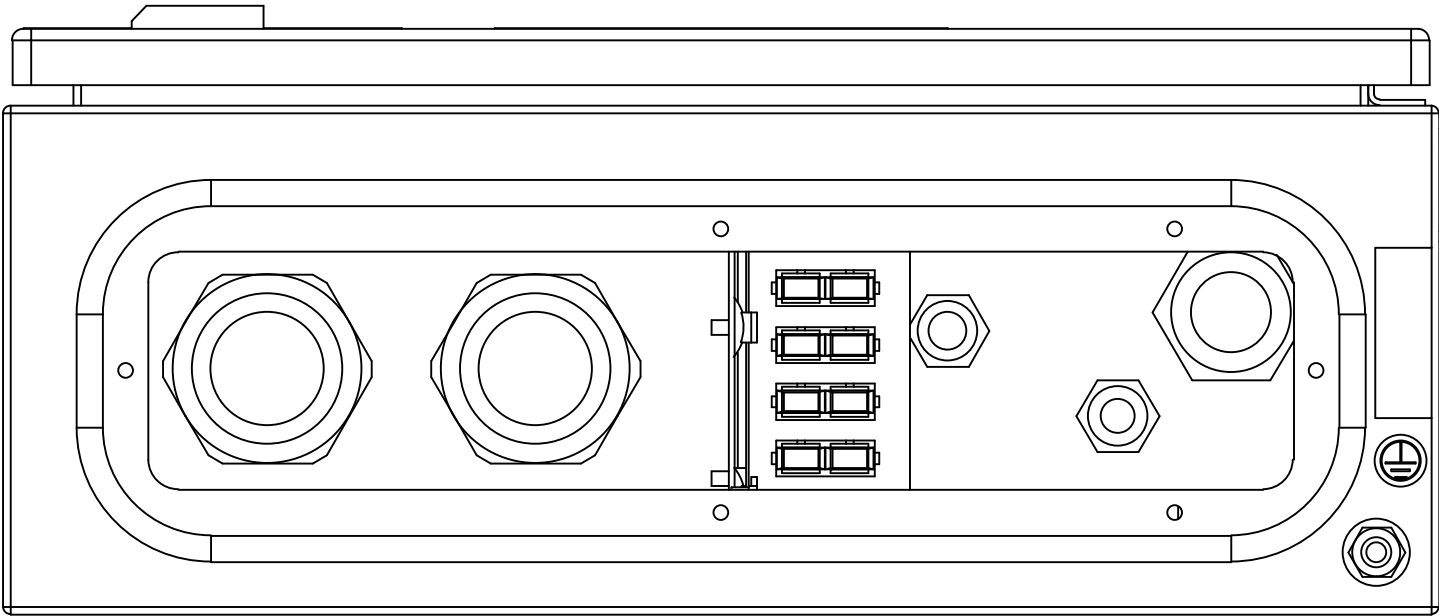
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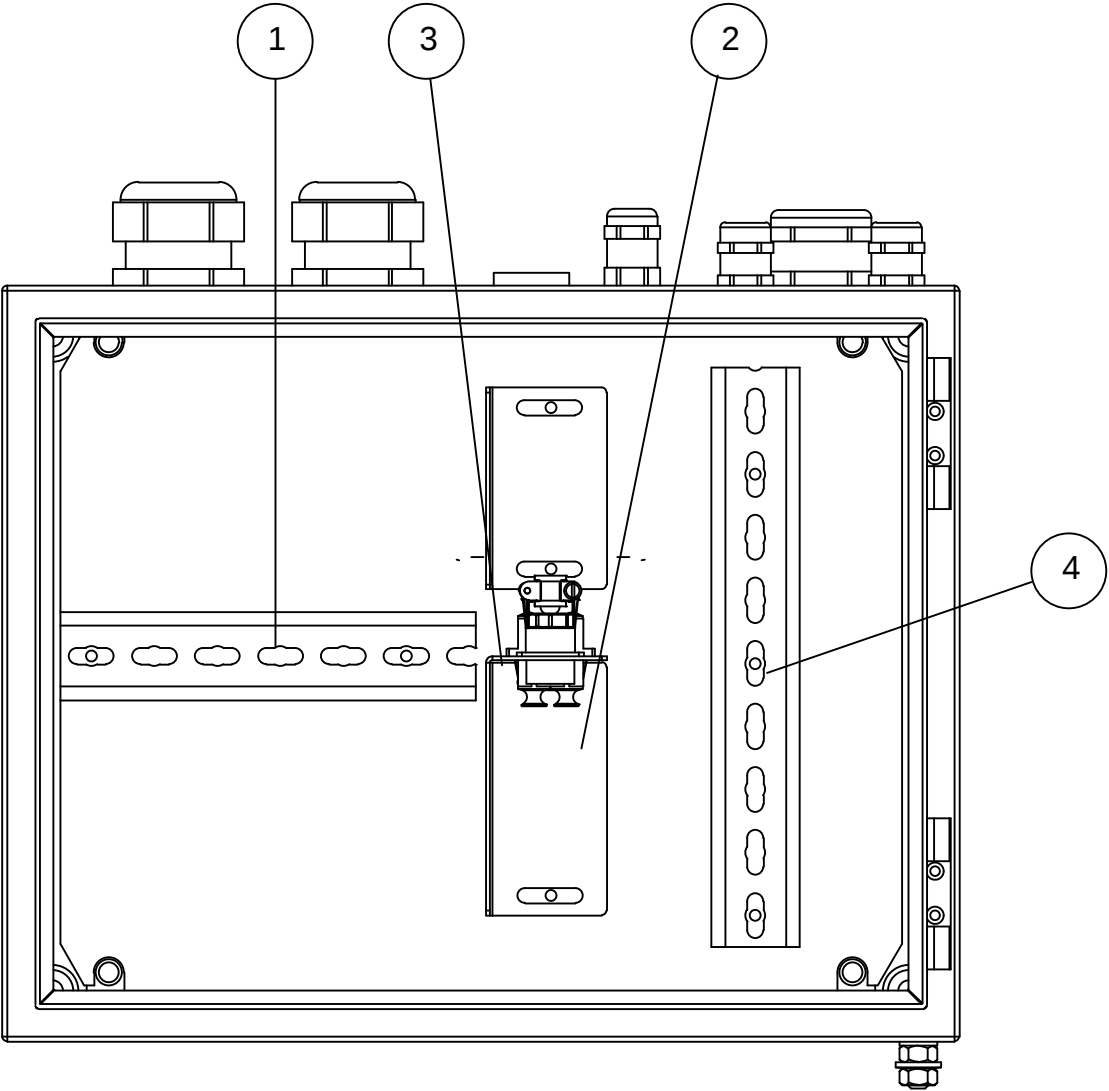
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		kk-responsible	Item-no.			ZCD-no:	+A202 L
		JASOE/mebje	215434MO			1040046	
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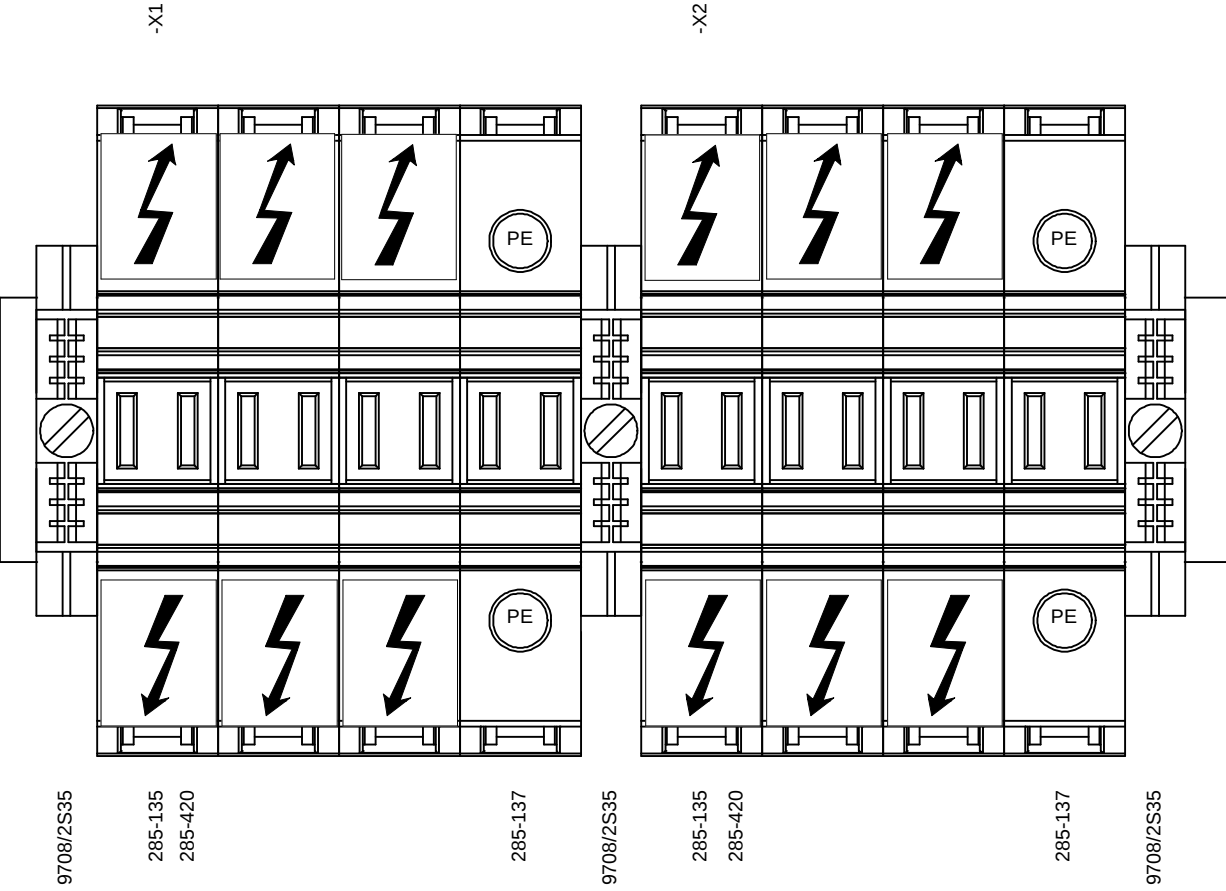
POS. NO.:	DESCRIPTION:	QTY.:
1	M40-PLAST	2
2	M25-BLIND	1
3	M16-BMEM	4
4	M32-BMEM	1
5	M16-EMC-D	1

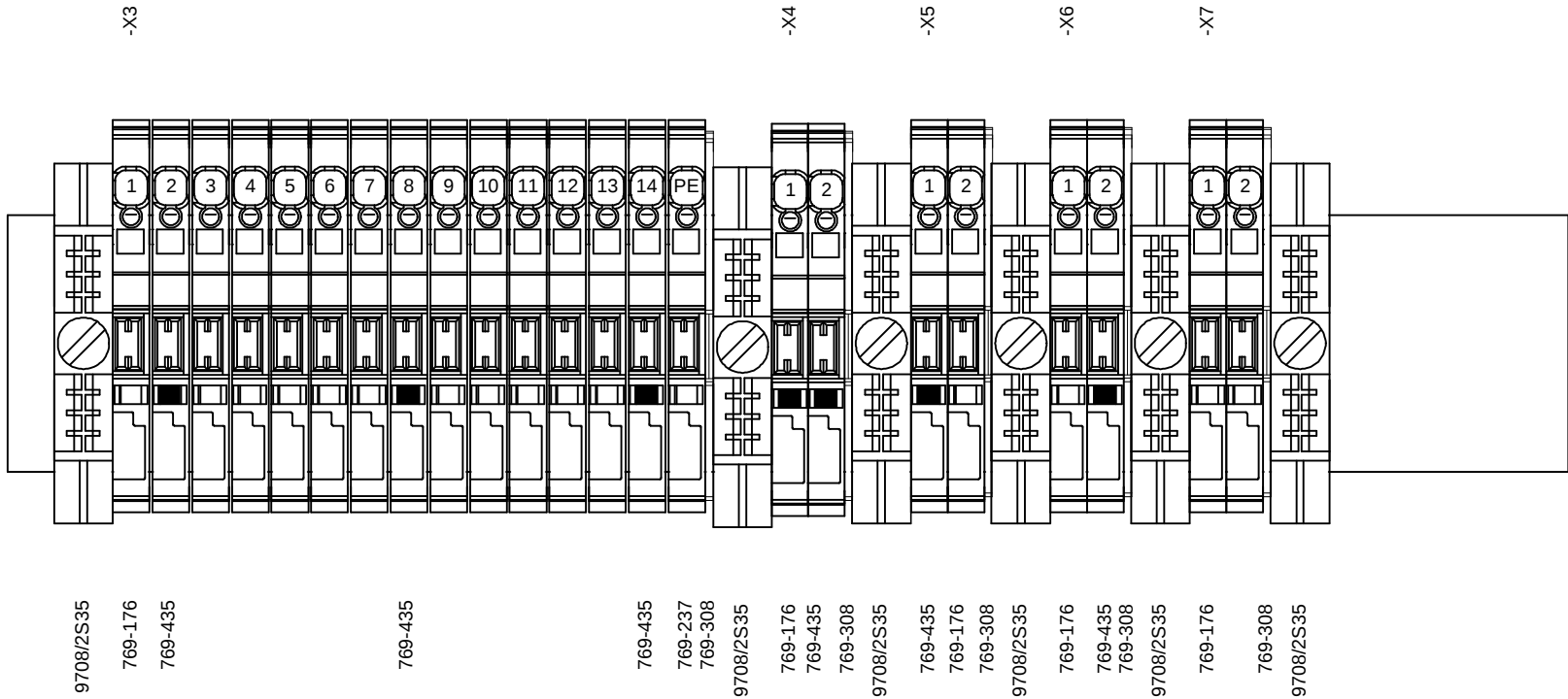


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		2014-05-28			LAYOUT BOTTOM OUTSIDE VIEW	+A202
		Item-no.	ZCD-no:			L-3
		JASOE/mebje	215434MO			
The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.						
						+A202/L-4



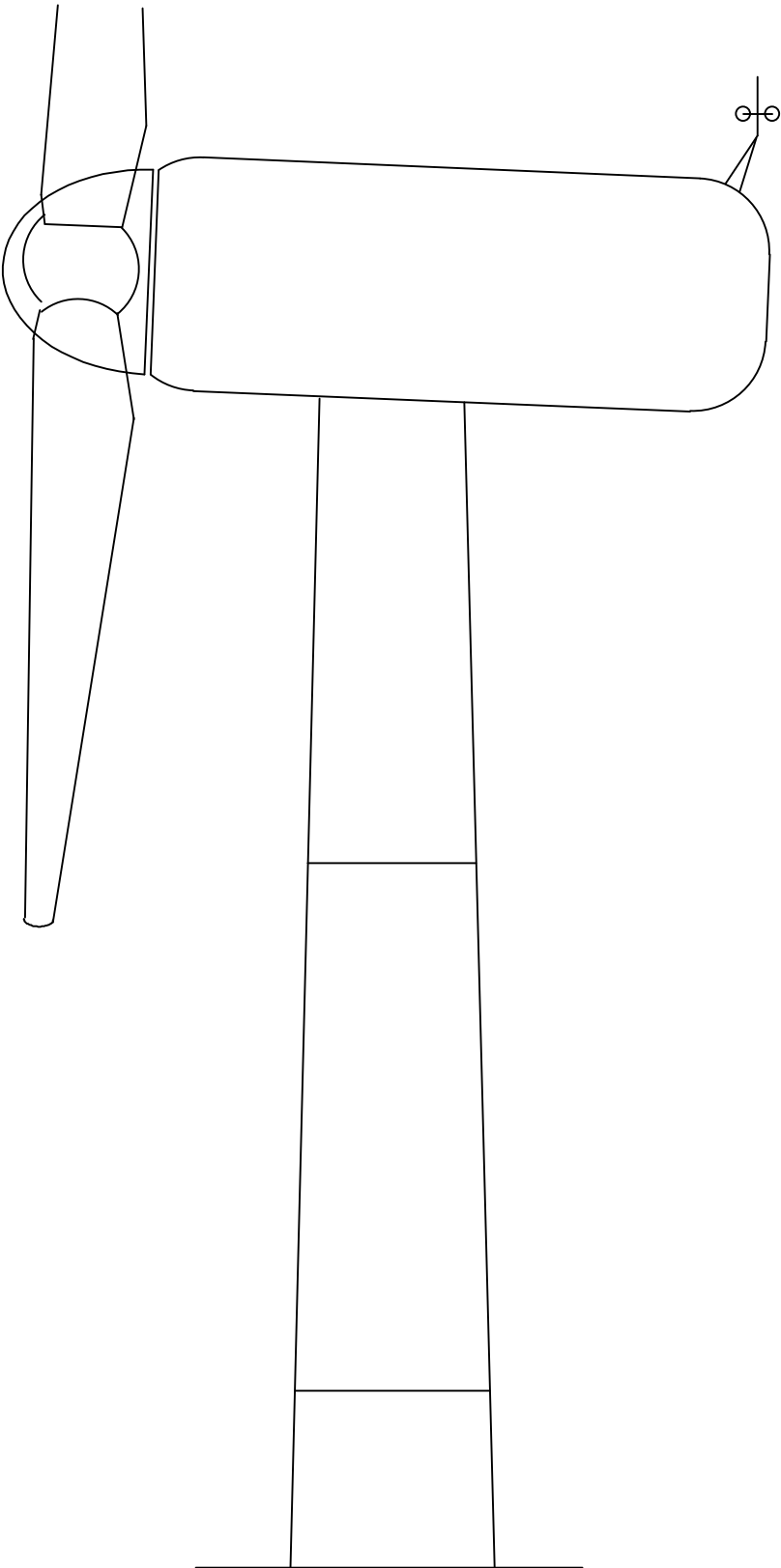
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- 2) -X8
- 3) -X9
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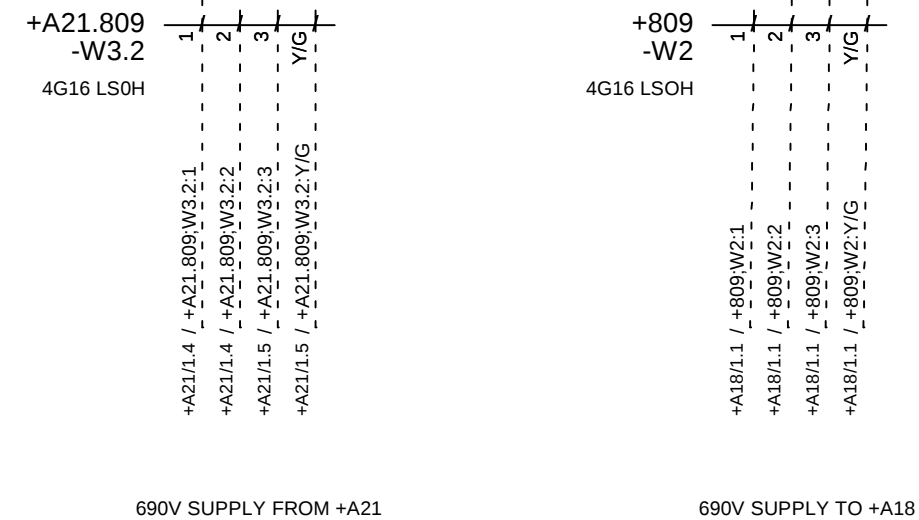
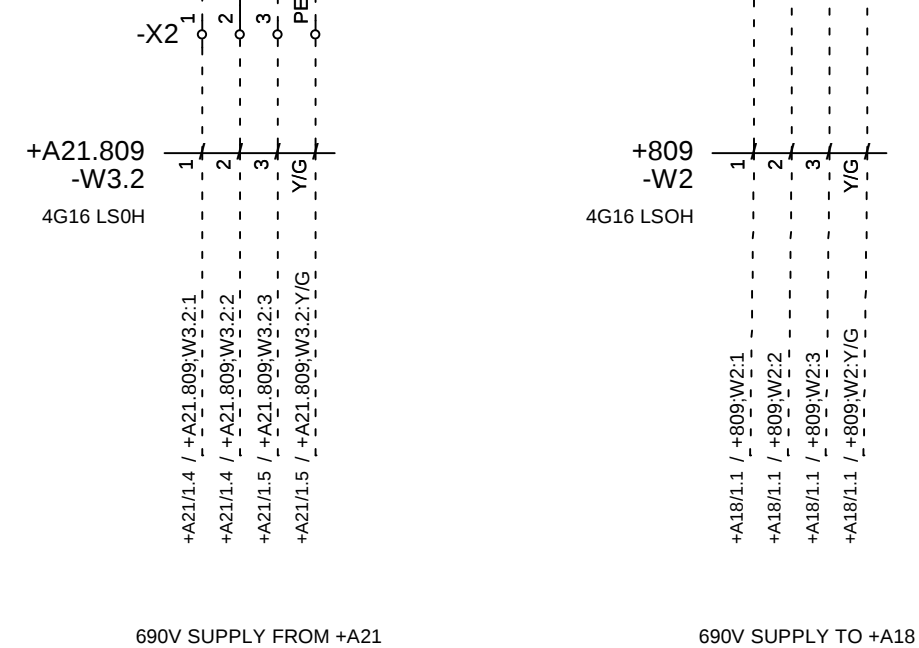
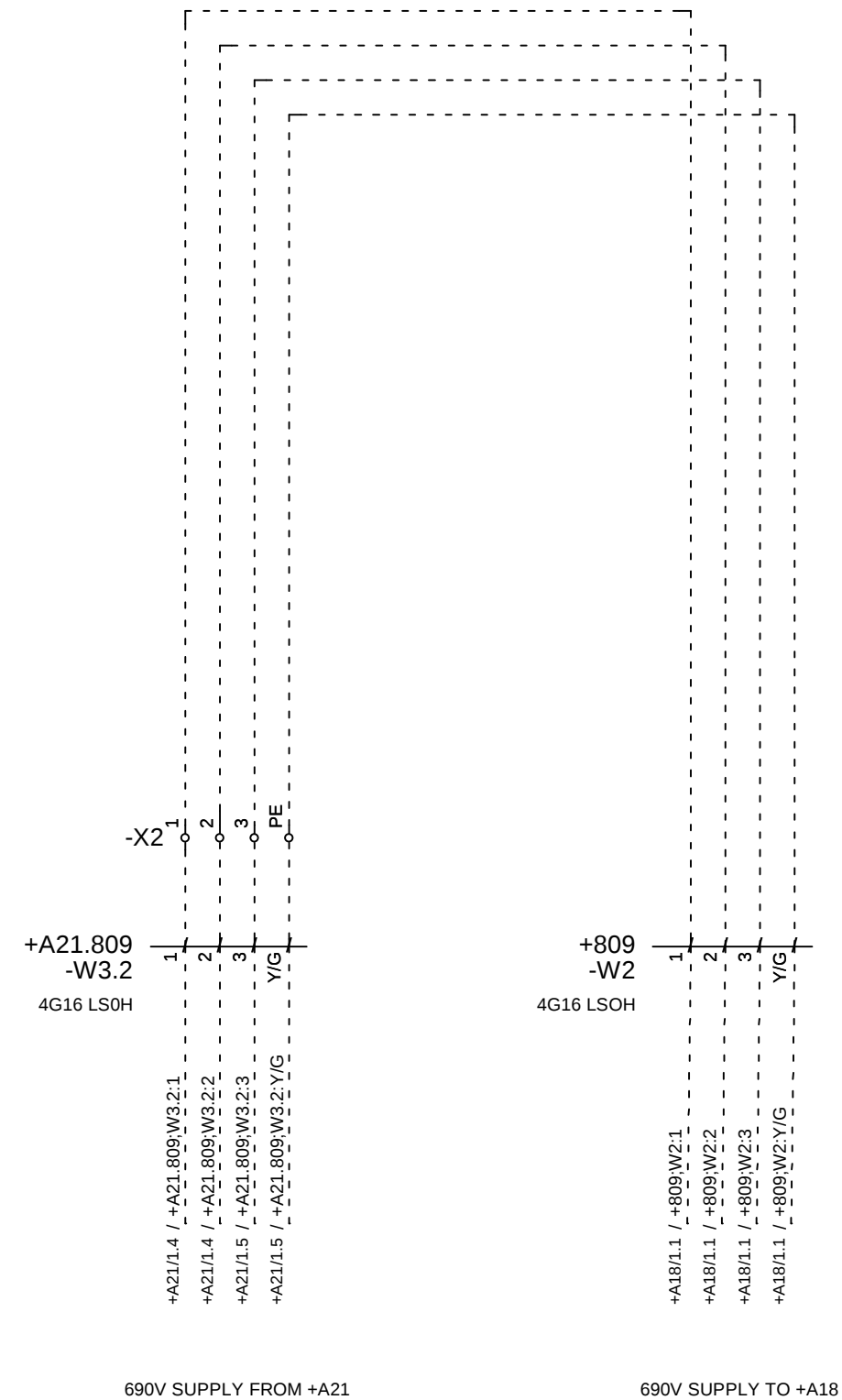
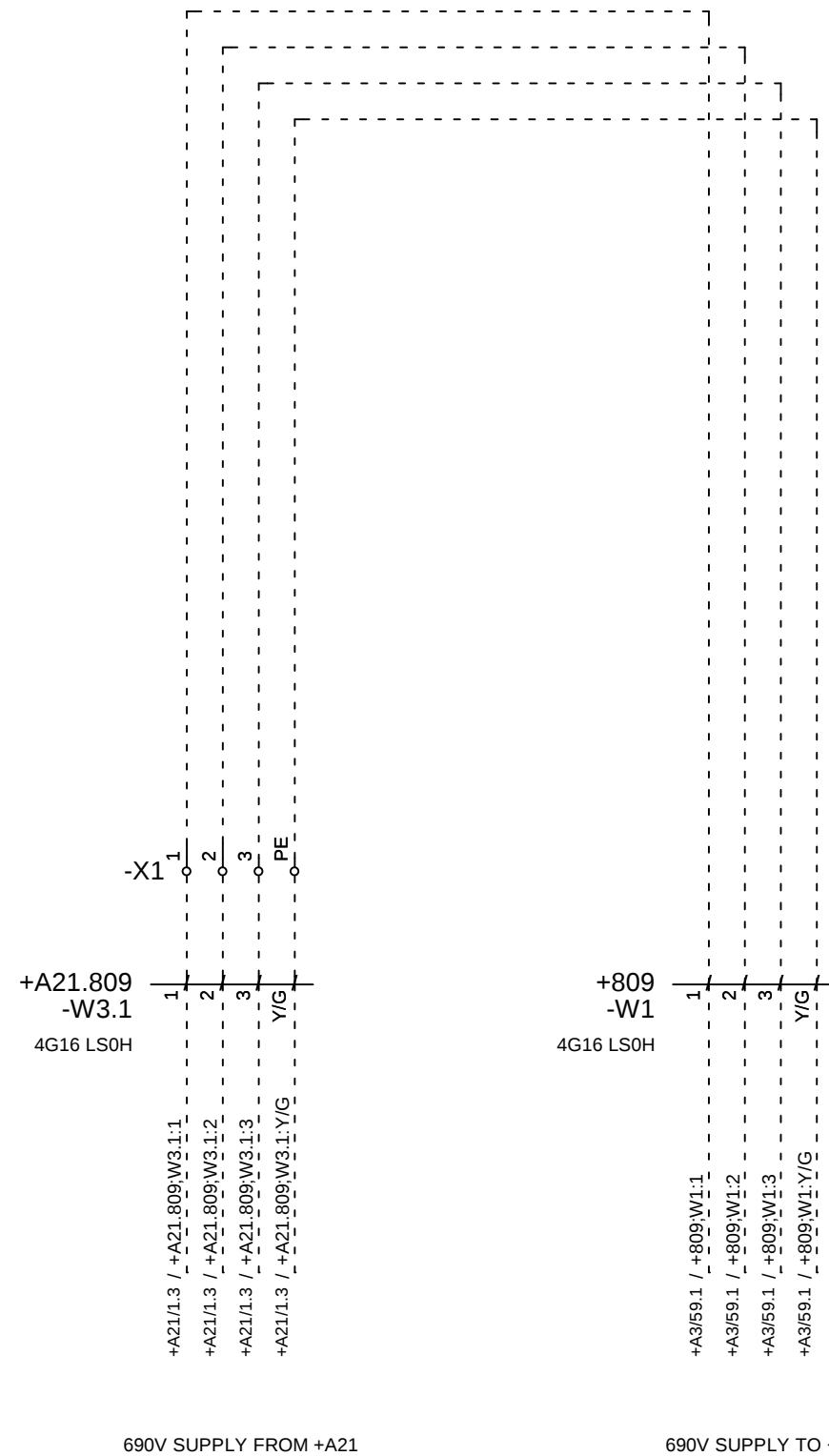


+A202 DIAGRAM

线图



 kk-electronic a/s	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL	Page Content	=V304002	
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		kk-responsible	Item-no.			ZCD-no:	+A202 D
		JASOE/mebje	215434MO			1040046	
+A202/L-6		The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A202/I	

**SIEMENS**

Date _____

2014-05-28

Rev. Date

kk-responsible

Item-no.	Item description	Unit	Quantity	Unit Price	Total Price
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ZCD-no:

JASOE/mebje

215434MO

1040046

SWT-4.0

WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL

Page Content

690V SUPPLY

=V304002

+ A202

1

+A202/+A202 D

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+A202/2

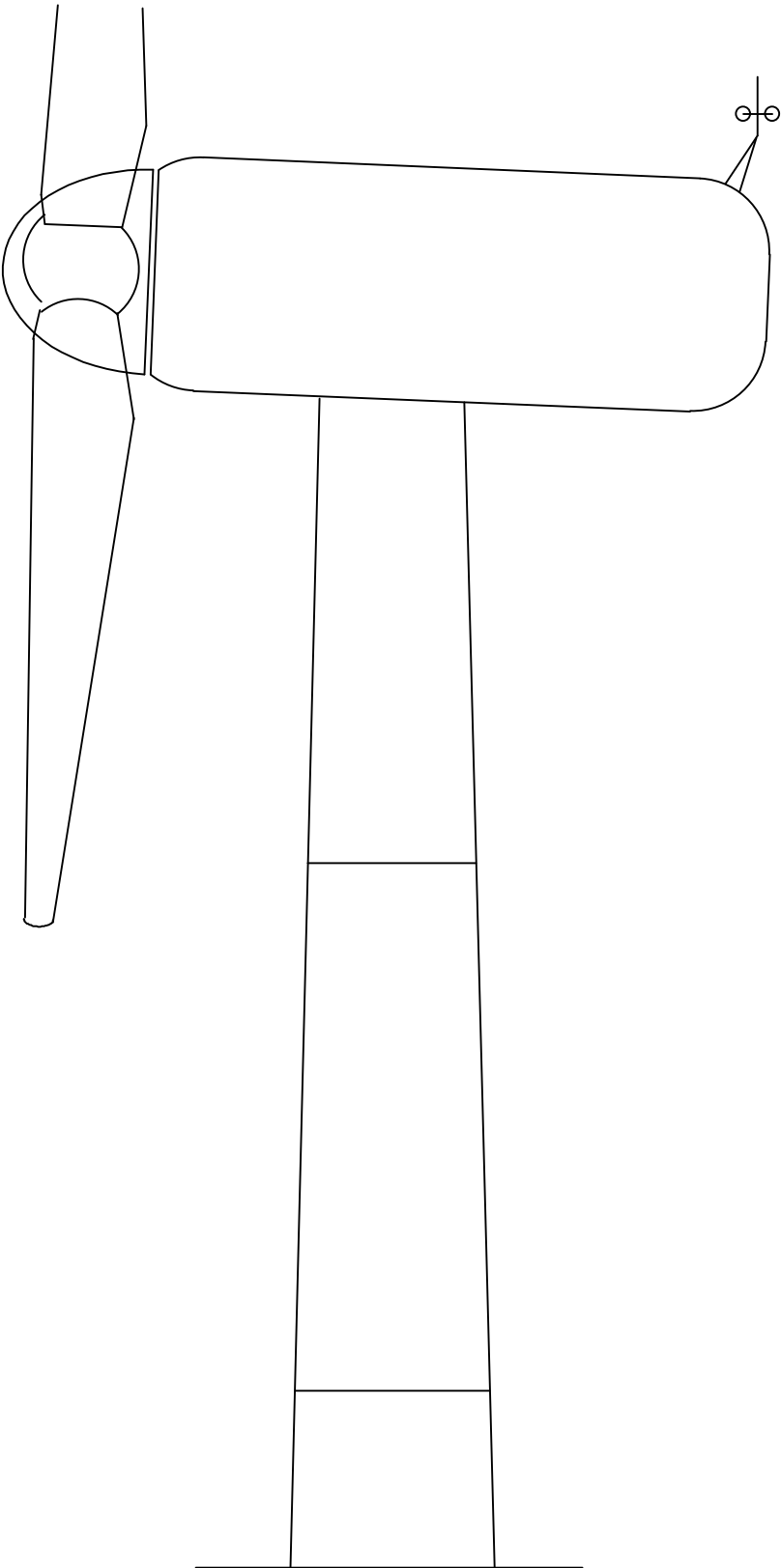


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	JASOE/mebje	215434MO	1040046			
+A202/2		The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A202/4



+A202 COMPONENTS LIST

组件列表

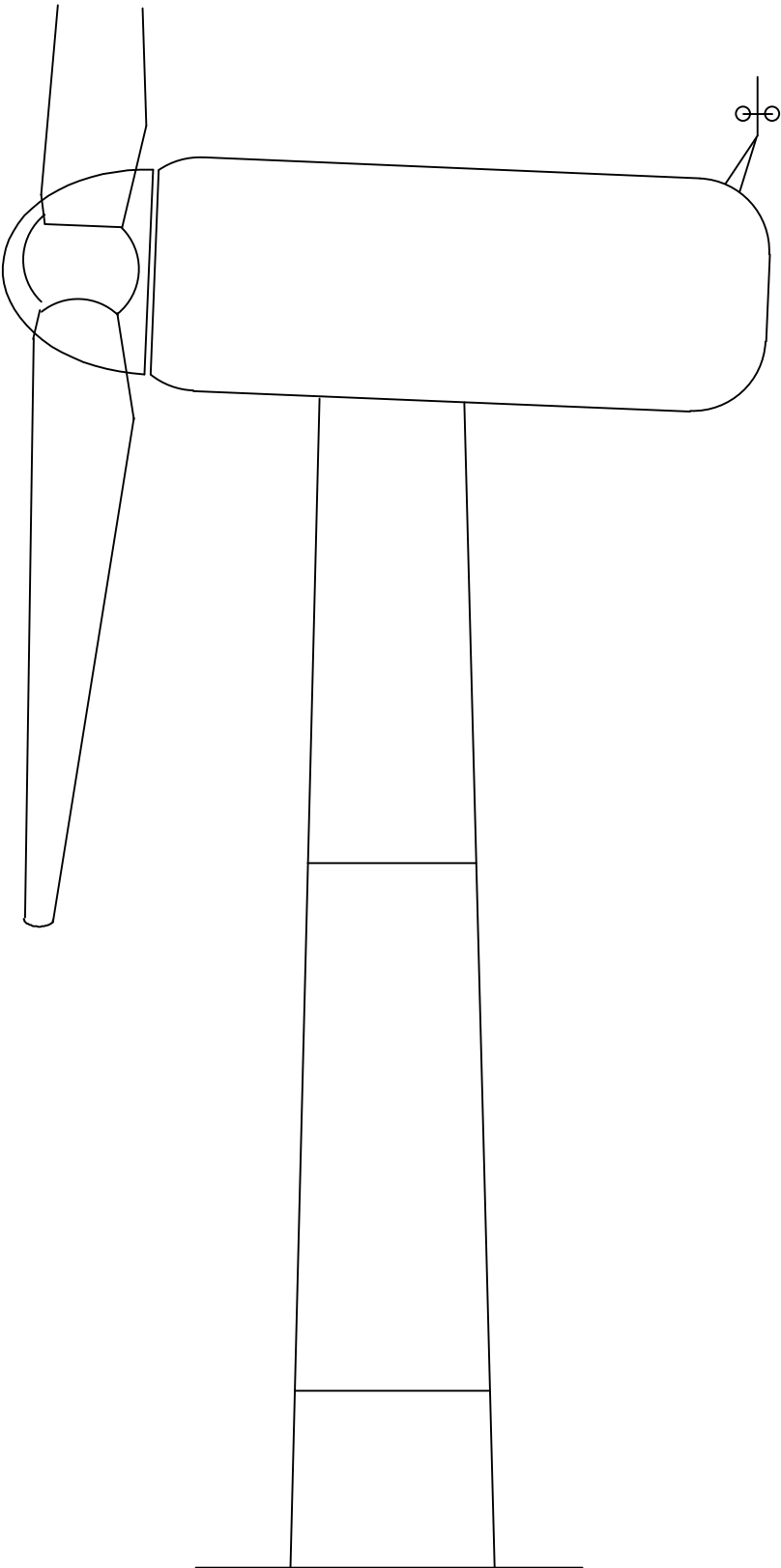


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		JASOE/mebje	215434MO			1040046	
The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.							

Components list

	Component name	Part number	Description	SWP no.	Manufacturer	Ref.	Qty.
1	+A202-X1	285-135	2-Conductor through terminal		Wago	/1.1	3
2	+A202-X1	285-137	2-Conductor earth terminal		Wago	/1.2	1
3	+A202-X1	285-420	Protective warning marker		Wago	/L-5.3	6
4	+A202-X1	9708/2S35	End stop reinforced	A9B00083081	Wieland	/1.2	1
5	+A202-X2	285-135	2-Conductor through terminal		Wago	/1.5	3
6	+A202-X2	285-137	2-Conductor earth terminal		Wago	/1.6	1
7	+A202-X2	285-420	Protective warning marker		Wago	/L-5.5	6
8	+A202-X2	9708/2S35	End stop reinforced	A9B00083081	Wieland	/1.6	2
9	+A202-X3	769-176	Base term.X-com	A9B10025462	Wago	/2.5	14
10	+A202-X3	769-237	Base term.X-com earth	A9B10025463	Wago	/2.7	1
11	+A202-X3	769-308	End barrier f/769-176	A9B10025464	Wago	/2.7	1
12	+A202-X3	769-435	Code pin f/plug		Wago	/L-6.4	3
13	+A202-X3	9708/2S35	End stop reinforced	A9B00083081	Wieland	/2.7	1
14	+A202-X4	769-176	Base term.X-com	A9B10025462	Wago	/3.3	1
15	+A202-X4	769-308	End barrier f/769-176	A9B10025464	Wago	/3.4	1
16	+A202-X4	769-435	Code pin f/plug		Wago	/L-6.5	2
17	+A202-X4	9708/2S35	End stop reinforced	A9B00083081	Wieland	/3.4	1
18	+A202-X5	769-176	Base term.X-com	A9B10025462	Wago	/4.1	2
19	+A202-X5	769-308	End barrier f/769-176	A9B10025464	Wago	/4.1	1
20	+A202-X5	769-435	Code pin f/plug		Wago	/L-6.5	1
21	+A202-X5	9708/2S35	End stop reinforced	A9B00083081	Wieland	/4.1	1
22	+A202-X6	769-176	Base term.X-com	A9B10025462	Wago	/4.4	2
23	+A202-X6	769-308	End barrier f/769-176	A9B10025464	Wago	/4.6	1
24	+A202-X6	769-435	Code pin f/plug		Wago	/L-6.6	1
25	+A202-X6	9708/2S35	End stop reinforced	A9B00083081	Wieland	/4.6	1
26	+A202-X7	769-176	Base term.X-com	A9B10025462	Wago	/4.7	2
27	+A202-X7	769-308	End barrier f/769-176	A9B10025464	Wago	/4.7	1
28	+A202-X7	9708/2S35	End stop reinforced	A9B00083081	Wieland	/4.7	2
29	+A202-X9	SC24M1D70	Female Contact F/Souriau Con.		Souriau	/5.6	1
30	+A202-X9	UT012AC	Metal cable clamp with strain relief		VARIOUS	/5.7	1
31	+A202-X9	UT00128SHT	Chassis hous.8P	A9B00203216	VARIOUS	/5.7	1
32	+A202-X9	UTFD13B	Gasket 12	A9B00203250	VARIOUS	/5.7	1
33	+A202.808-S1	NOT_KK_DEL	Not delivered by kk		VARIOUS	/4.7	1
34	+A202.808-W4	05990145	Cable 2X1.5 Lihch Datax	30563	Draka	/3.2	1
35	+A202.808-W5	05990120	Cable 2X1 Lihch Datax	A9B00030554	Draka	/4.7	1
36	+A202.808-W6	05990145	Cable 2X1.5 Lihch Datax	30563	Draka	/4.5	1
37	+A202.808-W6.7	05990145	Cable 2X1.5 Lihch Datax	30563	Draka	/57.3	1
38	+A202.809-W1	06050020	Cable 4G16 LS0H H07BN4-F T500	A9B00030583	Draka	/1.3	1
39	+A202.809-W2	NOT_KK_DEL	Not delivered by kk		VARIOUS	/1.7	1
40	+A202.809-W3	105990046	Cable 15G2,5 LIHCH		Draka	/2.5	1
41	+A202.810-W8	NOT_KK_DEL	Not delivered by kk		VARIOUS	/5.3	1

+A202 NON ELECTRICAL COMPONENTS LIST



 kk-electronic a/s	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL	Page Content		=V304002
		2014-05-28			+A202 NON ELECTRICAL COMPONENTS LIST		+A202
		kk-responsible	Item-no.				ZCD-no:
		JASOE/mebje	215434MO				1040046
+A202/C-1		The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.					+A202/NEC-1



Industrial Control Panel for Wind Turbine Generators

KK-electronic item no: 215434MO

Siemens Wind Power item no: A9B10065422

Type Rating: Type 5

kk-electronic a/s

101



Recognized Component

Conforms to UL standard: UL508A

Certified to CAN/CSA standard: C22.2 No. 14-10

Control no: 4003248

Intertek

102

Tightening torque

15Nm

301



WARNING / AVERTISSEMENT

DISCONNECT
POWER
BEFORE
WORKING
WITHIN

DÉBRANCHER
LE COURANT
AVANT DE
TRAVAILLER À
L'INTERIEUR

1801



CAUTION / ATTENTION

MORE THAN ONE
DISCONNECTING
MEANS
EMPLOYED.
OPEN ALL
DISCONNECTING
MEANS BEFORE
SERVICING

PLUSIEURS
DISPOSITIFS DE
SECTIONNEMENT
SONT UTILISÉS.
OUVRIR TOUS LES
SECTIONNEURS
AVANT DE
SERVICER

1801



CAUTION / ATTENTION

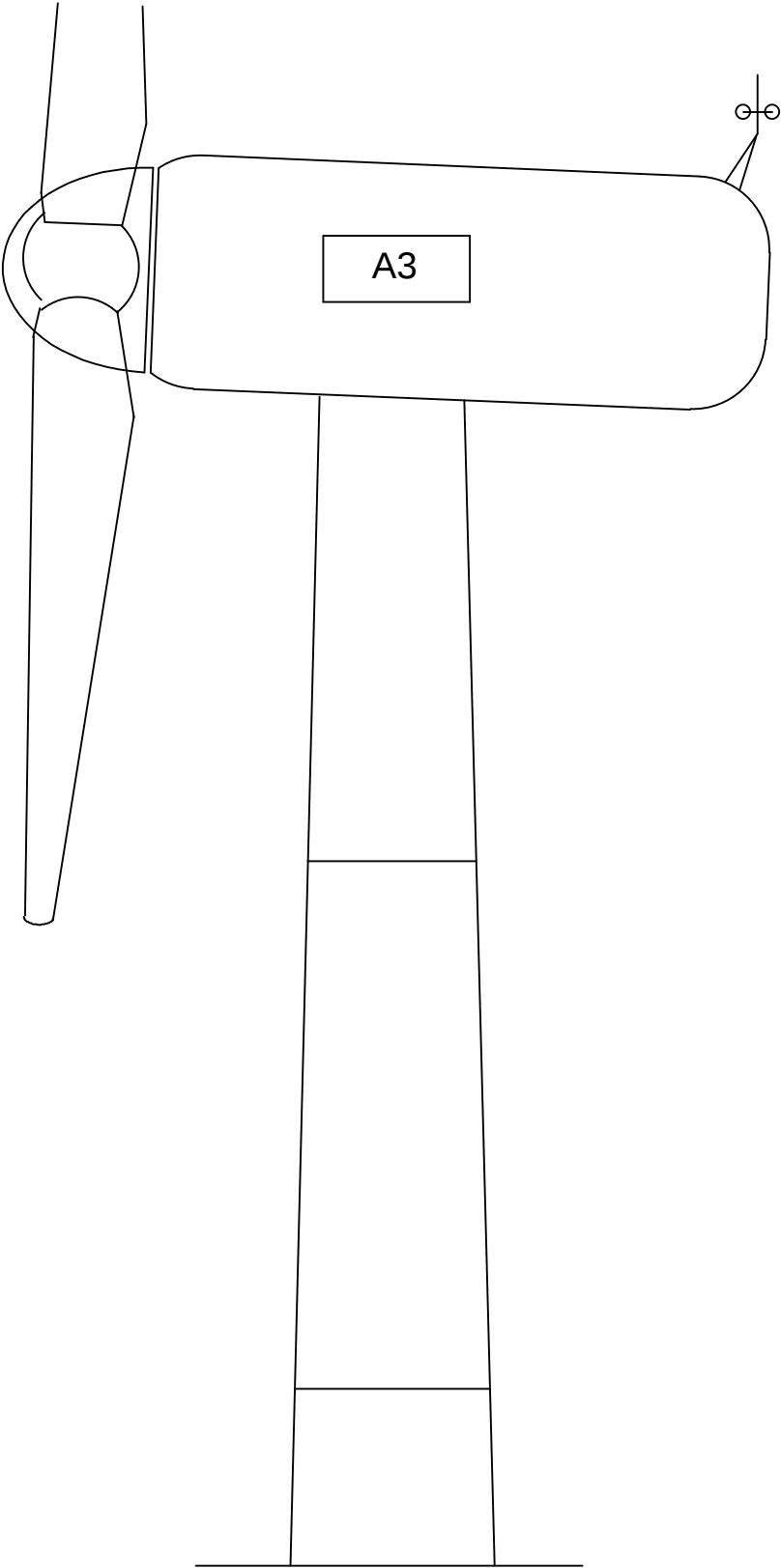
CIRCUIT NOT
DE-ENERGIZED
BY MAIN SWITCH.
DISCONNECT
ALL POWER
BEFORE
WORKING
WITHIN

LE CIRCUIT
N'EST PAS DÉACTIVE
PAR L'INTERUPTEUR
PRINCIPAL.
DÉBRANCHER TOUTE
ALIMENTATION AVANT
DE TRAVAILLER
À L'INTERIEUR

1901

+A3 LAYOUTS

布局



 kk-electronic a/s	SIEMENS	Date	Rev. Date	SWT-4.0 WTC-3. 4.0MW, VS, 690V, 50/60Hz, UL	Page Content	=V304002	
		2014-05-28			+A3 LAYOUTS	+A3	
		kk-responsible	Item-no.			ZCD-no:	+A3 L
		JASOE/mebje	V3040A3002			1040046	
+A202/NEC-1		The use and/or disclosure, etc. of the contents of this document (or any part thereof) is subject to the restrictions referenced on the front page.				+A3/L-1	