Smart Infrastructure - Distribution Systems

Circuit diagram

for

Purchaser: Vena new energy company / TW

User: Siemens Limited (Taipei)

Plant: 33KV MAIN SUBSTATION

Plant section: 8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
OUTGOING FEEDER

Typical: =HZ01.1

Project reference number

Date of issue: 29.04.21

Customer document number

A	change PCMI II	29.04.21	HE
Revision	Modification	Date	Name

SIEMENS AG

Archive: =H09 / A / / / 1

Project: 998574-000501

Documentation identifier: A / =H09 / / 1

Manufacturer document number: (3) W92210-L1965-U091-A

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBINH2
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Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
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Designation			Manufacturer document number Customer document number	Sheet	Sheets	Date	Description	Prepared by
A	=H09 +H09	/1	(3) W92210-L1965-U091	1-	1	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder Cover sheet	EM MS O GIS SWF PR OP SEN FFM
A	=H09 +H09	A1	(3) W92210-L1965-L092	1+	5	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder List of documents	EM MS O GIS SWF PR OP SEN FFM
A	=H09 +H09	A2	(3) W92210-L1965-L092	2+	5	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder List of documents	EM MS O GIS SWF PR OP SEN FFM
A	=H09 +H09	A3	(3) W92210-L1965-L092	3+	5	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder List of documents	EM MS O GIS SWF PR OP SEN FFM
A	=H09 +H09	A4	(3) W92210-L1965-L092	4+	5	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder List of documents	EM MS O GIS SWF PR OP SEN FFM
A	=H09 +H09	A5	(3) W92210-L1965-L092	5-	5	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder List of documents	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	B1	(3) W92210-L1965-S094	1-	1	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder FEEDER OVERVIEW Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	G1	(3) W92210-L1965-S095	1-	1	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder POWER SUPPLY Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M1	(3) W92210-L1965-S095	1+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder CONTROL, CB. CLOSING/TRIPPING Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M2	(3) W92210-L1965-S095	2+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder CONTROL, CB. CLOSING/TRIPPING Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M3	(3) W92210-L1965-S095	3+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder CONTROL, CB. CLOSING/TRIPPING Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M4	(3) W92210-L1965-S095	4+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder CONTROL CIRCUIT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M5	(3) W92210-L1965-S095	5+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder CONTROL CIRCUIT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M6	(3) W92210-L1965-S095	6+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder CONTROL CIRCUIT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM

Revision	Modification	Date	Name			
				Date	07.04.2021	
				Drawn	Herrmann	
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	
				Norm		

Vena new energy company / TW
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33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

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8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
List of documents

=HZ01.1 A =H09
+H09 A1
998574-000501 (3) W92210-L1965-L092-A
Sheet 1+
5 Sh.

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S	=H09 +H09	M7	(3) W92210-L1965-S095	7+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder CONTROL CIRCUIT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M8	(3) W92210-L1965-S095	8+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M9	(3) W92210-L1965-S095	9+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M10	(3) W92210-L1965-S095	10+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M11	(3) W92210-L1965-S095	11+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M12	(3) W92210-L1965-S095	12+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M13	(3) W92210-L1965-S095	13+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M14	(3) W92210-L1965-S095	14+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder INDICATION / STATUS Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M15	(3) W92210-L1965-S095	15+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder CONTROL CIRCUIT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M16	(3) W92210-L1965-S095	16+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder CONTROL CIRCUIT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M17	(3) W92210-L1965-S095	17+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	M18	(3) W92210-L1965-S095	18-	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder CONTROL CIRCUIT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	S1	(3) W92210-L1965-S095	1+	5	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder TRANSFORMER CIRCUITS Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	S2	(3) W92210-L1965-S095	2+	5	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder TRANSFORMER CIRCUITS Circuit diagram	EM MS O GIS SWF PR OP SEN FFM

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Revision	Modification	Date	Name				
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW	Siemens AG
				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder

List of documents

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S	=H09 +H09	S3	(3) W92210-L1965-S095	3+	5	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder TRANSFORMER CIRCUITS Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	S4	(3) W92210-L1965-S095	4+	5	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder TRANSFORMER CIRCUITS Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	S5	(3) W92210-L1965-S095	5-	5	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder CAPDIS-S1+ Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	Z1	(3) W92210-L1965-S095	1+	11	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder CIRCUIT BREAKER Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	Z2	(3) W92210-L1965-S095	2+	11	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder THREE POSITION SWITCH Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	Z3	(3) W92210-L1965-S095	3+	11	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder THREE POSITION SWITCH Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	Z4	(3) W92210-L1965-S095	4+	11	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder VOIS + Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	Z5	(3) W92210-L1965-S095	5+	11	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder PROTECTION DEVICE Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	Z6	(3) W92210-L1965-S095	6+	11	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder SECONDARY EQUIPMENT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	Z7	(3) W92210-L1965-S095	7+	11	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder SECONDARY EQUIPMENT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	Z8	(3) W92210-L1965-S095	8+	11	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder SECONDARY EQUIPMENT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	Z9	(3) W92210-L1965-S095	9+	11	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder SECONDARY EQUIPMENT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	Z10	(3) W92210-L1965-S095	10+	11	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder SECONDARY EQUIPMENT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H09 +H09	Z11	(3) W92210-L1965-S095	11-	11	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder SECONDARY EQUIPMENT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM

Revision	Modification	Date	Name			
				Date	07.04.2021	
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A	change PCMI II	29.04.21	HE	Appr.	Jacobi	
				Norm		

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8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
List of documents

=HZ01.1 A =H09
+H09
A3
998574-000501 (3) W92210-L1965-L092-A
Sheet 3+
5 Sh.

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Last used: 29.04.21 FBINH2
Archive: =H09 / A / A / 4

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Translate file D: leer2

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V	=H09 +.B	/1	(3) W92210-L1965-S098	1+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XR2 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H09 +.B	/2	(3) W92210-L1965-S098	2+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XT1 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H09 +.B	/3	(3) W92210-L1965-S098	3+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XC30 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H09 +.B	/4	(3) W92210-L1965-S098	4+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XC30 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H09 +.B	/5	(3) W92210-L1965-S098	5+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XC30 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H09 +.B	/6	(3) W92210-L1965-S098	6+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XC30 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H09 +.B	/7	(3) W92210-L1965-S098	7+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XC30 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H09 +.B	/8	(3) W92210-L1965-S098	8+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XQ0 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H09 +.B	/9	(3) W92210-L1965-S098	9+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XQ0 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H09 +.B	/10	(3) W92210-L1965-S098	10+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XQ1 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H09 +.B	/11	(3) W92210-L1965-S098	11+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XQ1 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H09 +.B	/12	(3) W92210-L1965-S098	12+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XQ61 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H09 +.B	/13	(3) W92210-L1965-S098	13+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XQ61 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H09 +.B	/14	(3) W92210-L1965-S098	14+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XPE Connection table	EM MS O GIS SWF PR OP SEN FFM

Revision	Modification	Date	Name			
				Date	07.04.2021	
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				Norm		

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33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
List of documents

=HZ01.1 A =H09
+H09
998574-000501 (3) W92210-L1965-L092-A
A4
Sheet 4+
5 Sh.

Designation			Manufacturer document number Customer document number	Sheet	Sheets	Date	Description	Prepared by
V	=H09 +.B	/15	(3) W92210-L1965-S098	15+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XT15 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H09 +.B	/16	(3) W92210-L1965-S098	16+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XT5 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H09 +.B	/17	(3) W92210-L1965-S098	17+	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XT5A Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H09 +.B	/18	(3) W92210-L1965-S098	18-	18	07.04.2021	8DA10 SWITCHGEAR 33,0 kV Incoming Feeder +.B-XT Connection table	EM MS O GIS SWF PR OP SEN FFM

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				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ01.1	A	=H09
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION						A5
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		List of documents	998574-000501	(3) W92210-L1965-L092-A		Sheet 5-5 Sh.

Remark :
Drawings will be applied for panel

1) H09 Incoming Feeder 2000 A

2) H12 Incoming Feeder 2000 A

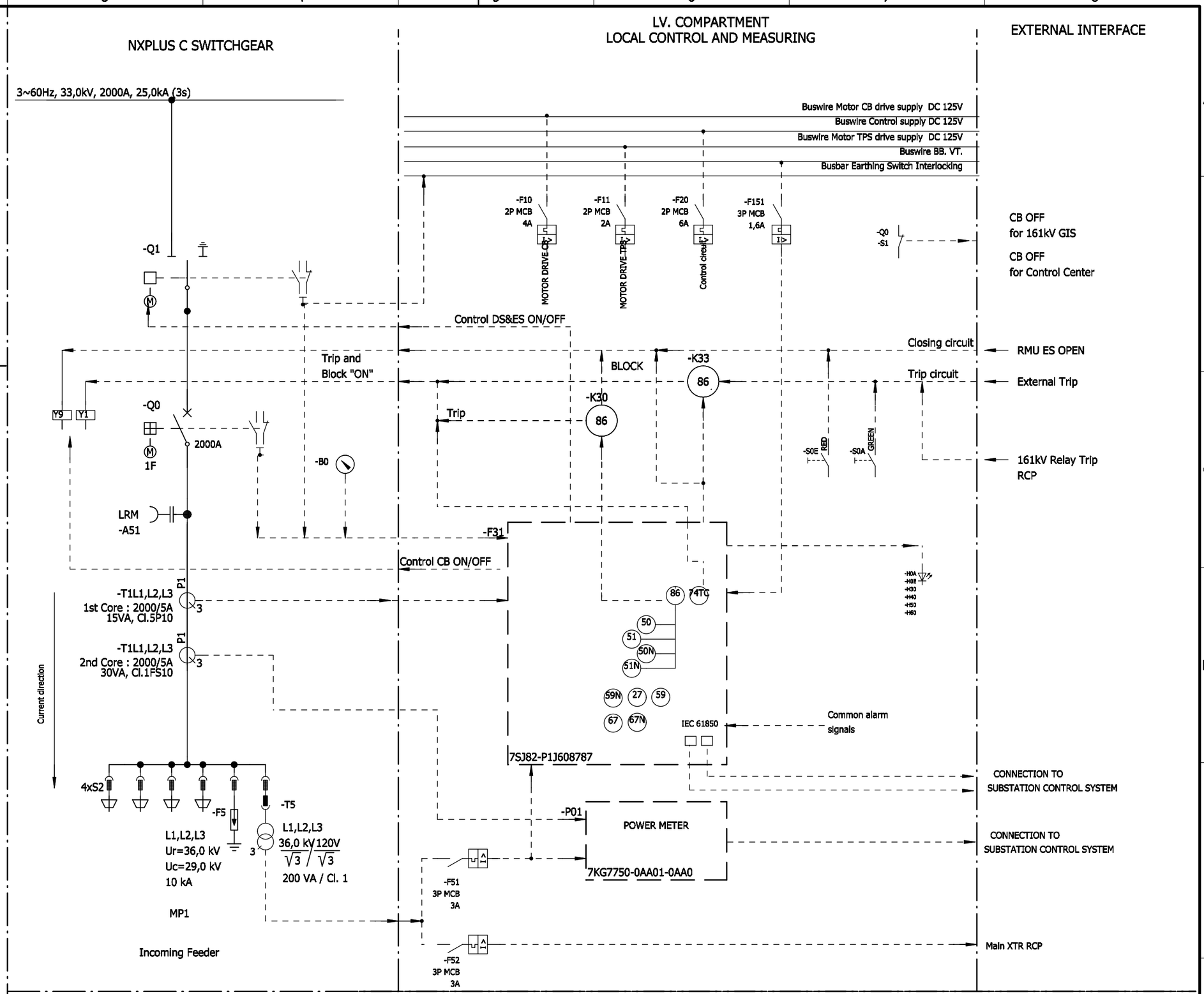
3) H27 Incoming Feeder 2000 A

4) H30 Incoming Feeder 2000 A

Legend

-Q0	Motorized Circuit-Breaker
-Q1	Hand Operated 3 Position Switch
-B0...	GAS PRESSURE MONITORING
-T1	Current Transformer
-T5	VOLTAGE Transformer
50	Instantaneous Overcurrent
50N	Instantaneous Earth-fault Overcurrent
51	Time-Overcurrent, phase
51N	Time-Overcurrent, earth
59	Overvoltage prot.
86	Lockout function
67	Directional overcurrent
67N	Directional earth-fault overcurrent
27	Undervoltage prot.

-A51 Voltage Indicator LRM



System/rated frequency	Operating voltage	Rated voltage	Rated short-time withst. curr.	Rated normal current
3~60 Hz	33,0 kV	36,0 kV	25,0kA (3s)	2000A

Revision	Modification	Date	Name		
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				Norm	

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Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
FEEDER OVERVIEW
Circuit diagram

=HZ01.1 | S | =H09 | +H09 | B1

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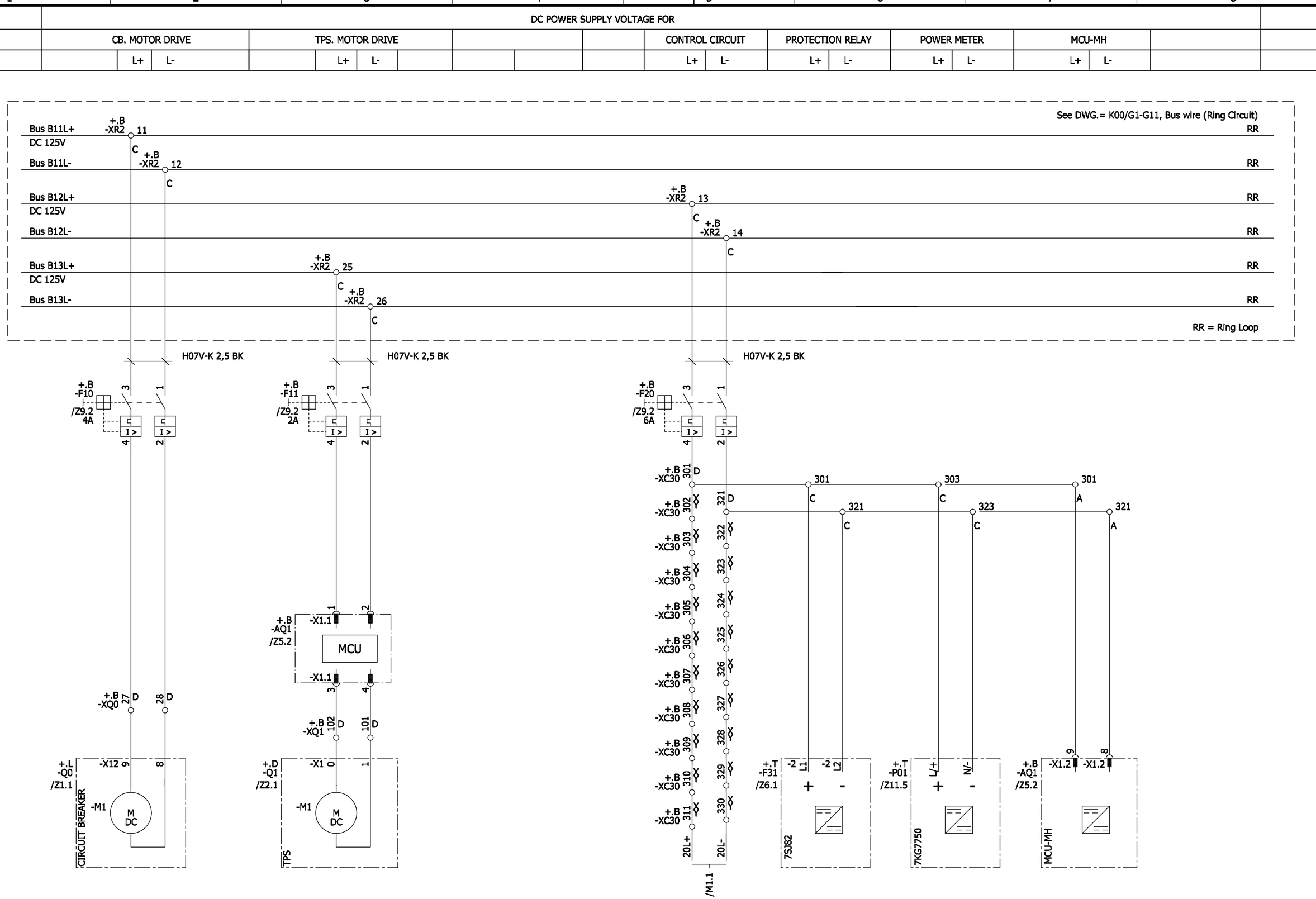

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A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		POWER SUPPLY	998574-000501	(3) W92210-L1965-S095-A	Sheet 1-
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			1 Sh.

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Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2
Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:
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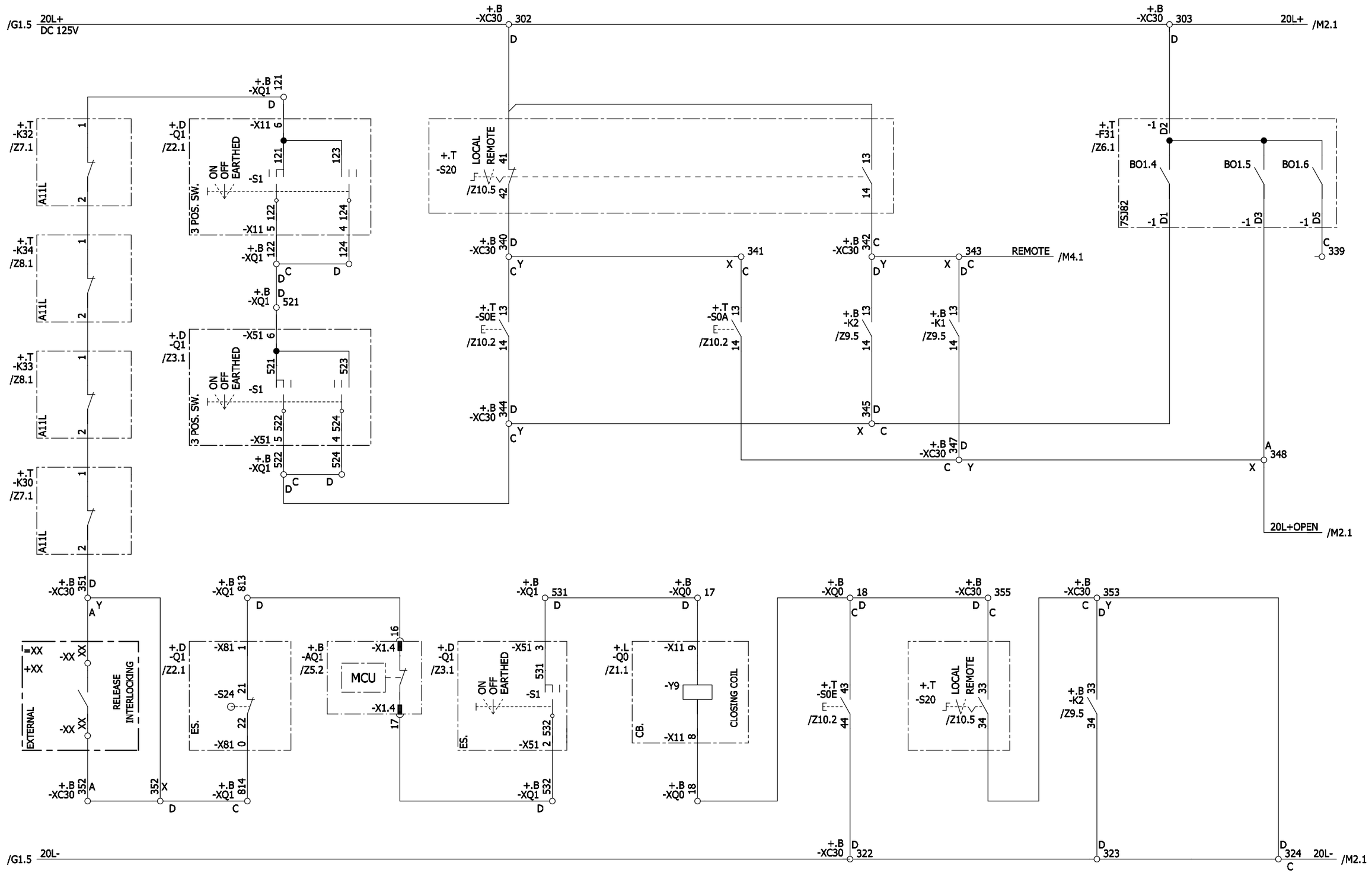
LV COMPARTMENT

CIRCUIT BREAKER CLOSING CONTROL CIRCUIT

INTERLOCKING	LOCAL CONTROL CIRCUIT		REMOTE CONTROL CIRCUIT		PROTECTION RELAY	
	CLOSE	OPEN	CLOSE	OPEN	OPEN	CLOSE

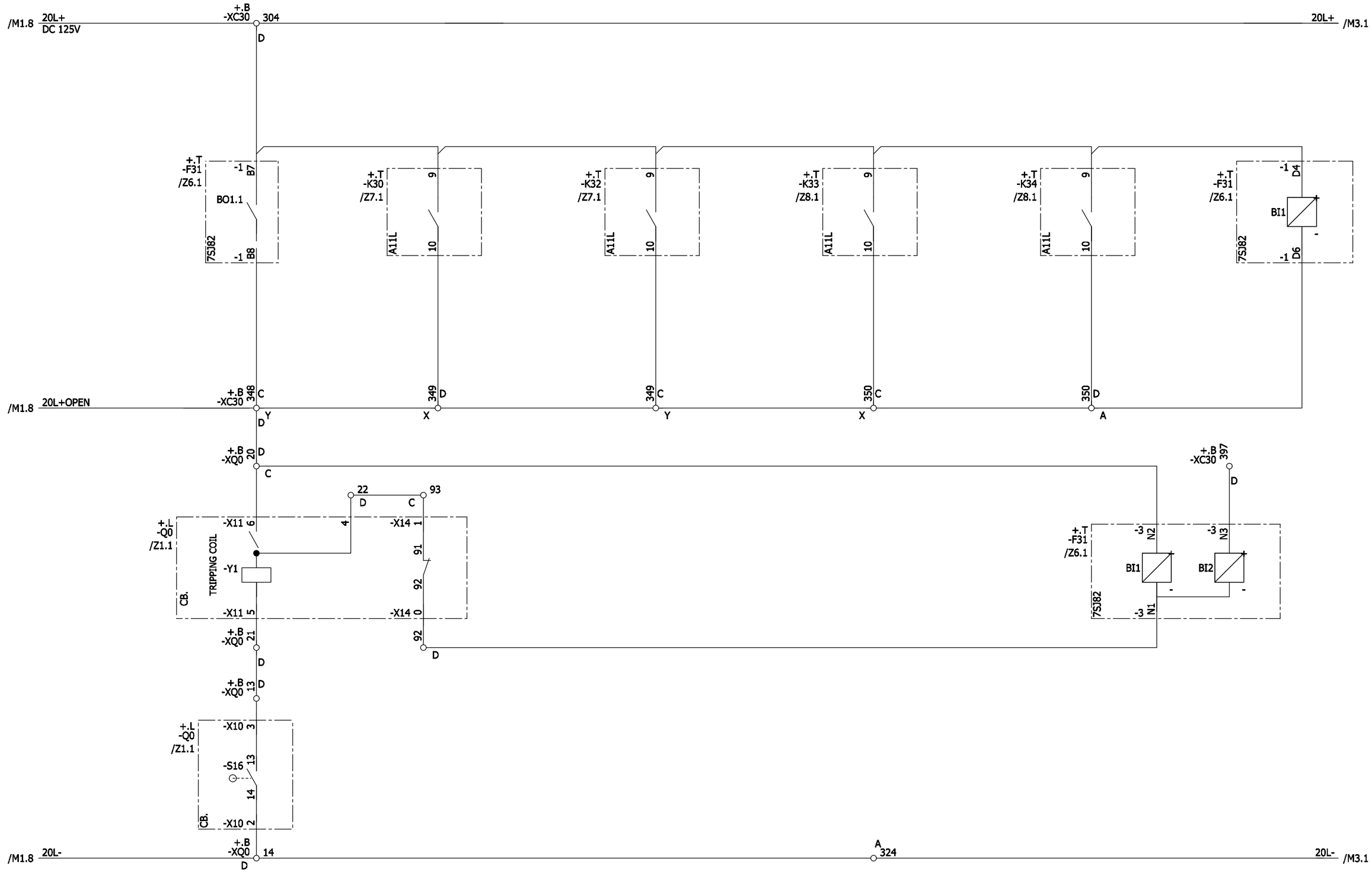


ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ01.1	S	=H09	
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09	M1
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL, CB. CLOSING/TRIPPING	998574-000501	(3) W92210-L1965-S095-A			Sheet 1+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram					17 Sh.

CIRCUIT BREAKER TRIPPING CONTROL CIRCUIT

27/59	LOCK OUT RELAY 51,51N	LOCK OUT RELAY 67/67N,51NR,63	TRIP FROM 33 kV	LOCKOUT RELAY TRANSFER TRIP FROM UPSTREAM	TCS



LV COMPARTMENT

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV					
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder	=HZ01.1	S	=H09		
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL, CB. CLOSING/TRIPPING			+H09		M2
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A			Sheet 2+ 17 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / M / 2

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Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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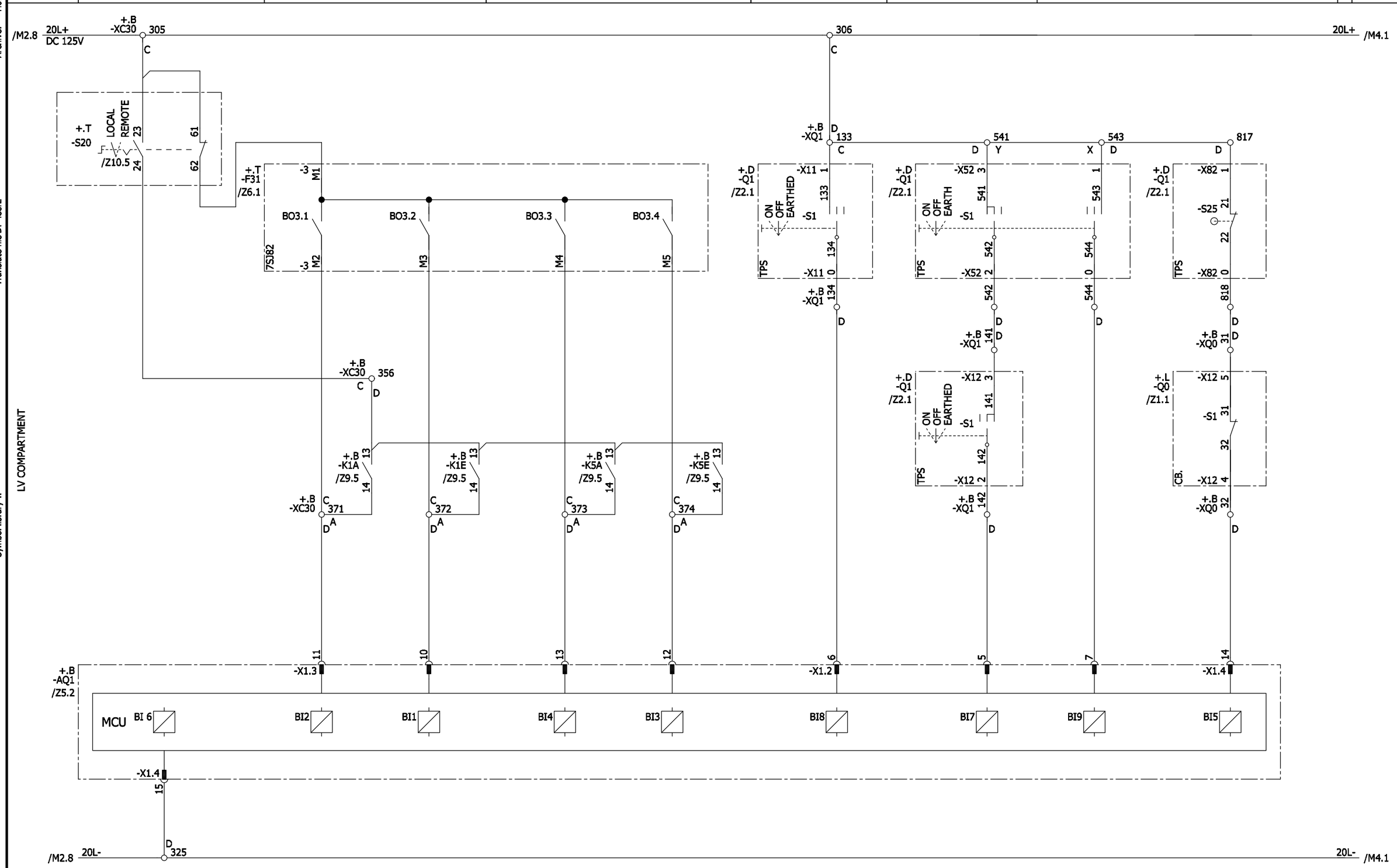

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / M / 3

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Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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Revision	Modification	Date	Name				
				Date	07.04.2021	Vena new energy company / TW	Siemens AG
				Drawn	Herrmann	Siemens Limited (Taipei)	
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
CONTROL, CB. CLOSING/TRIPPING
Circuit diagram

=HZ01.1 S =H09
+H09
M3
998574-000501 (3) W92210-L1965-S095-A
Sheet 3+
17 Sh.

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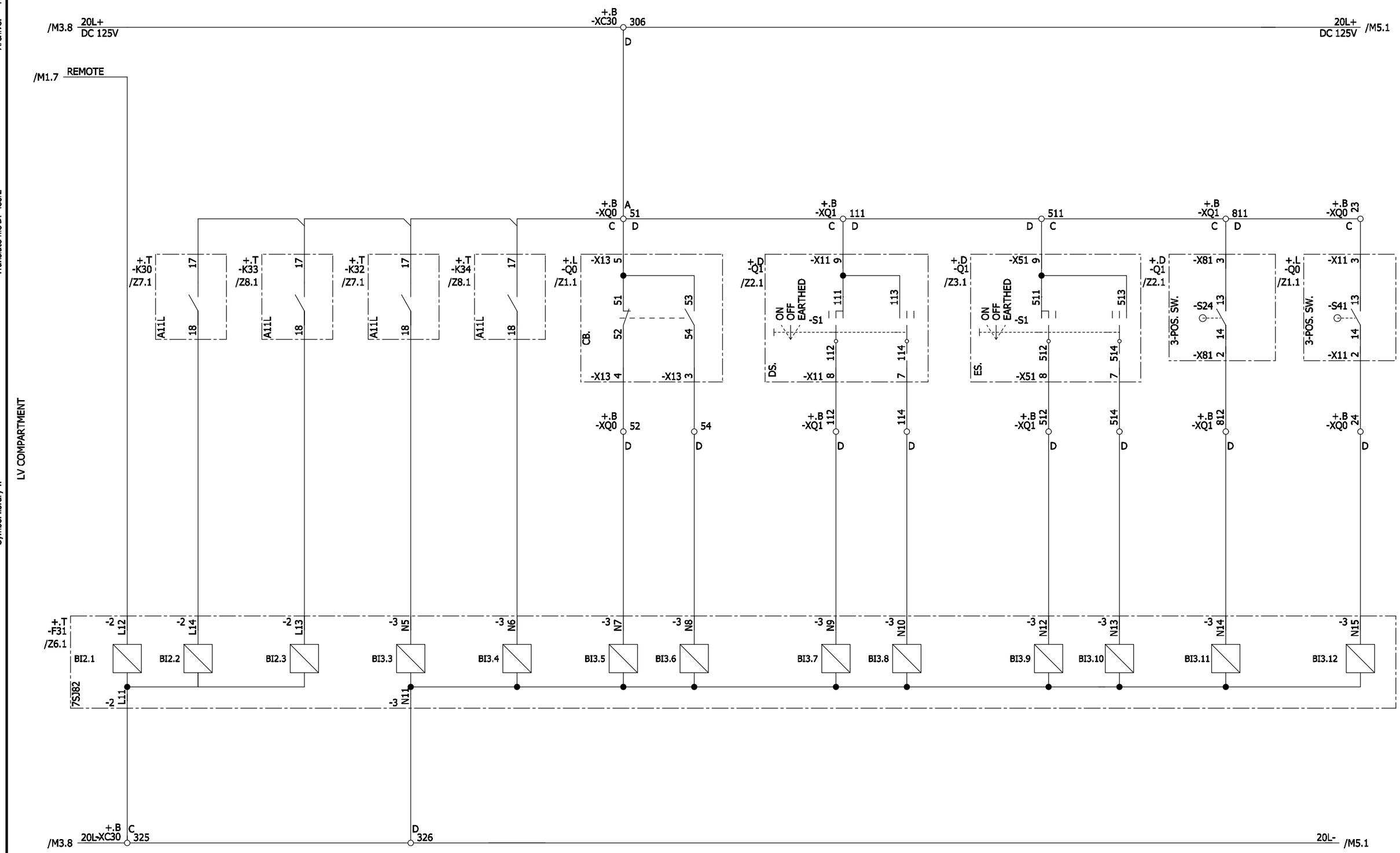
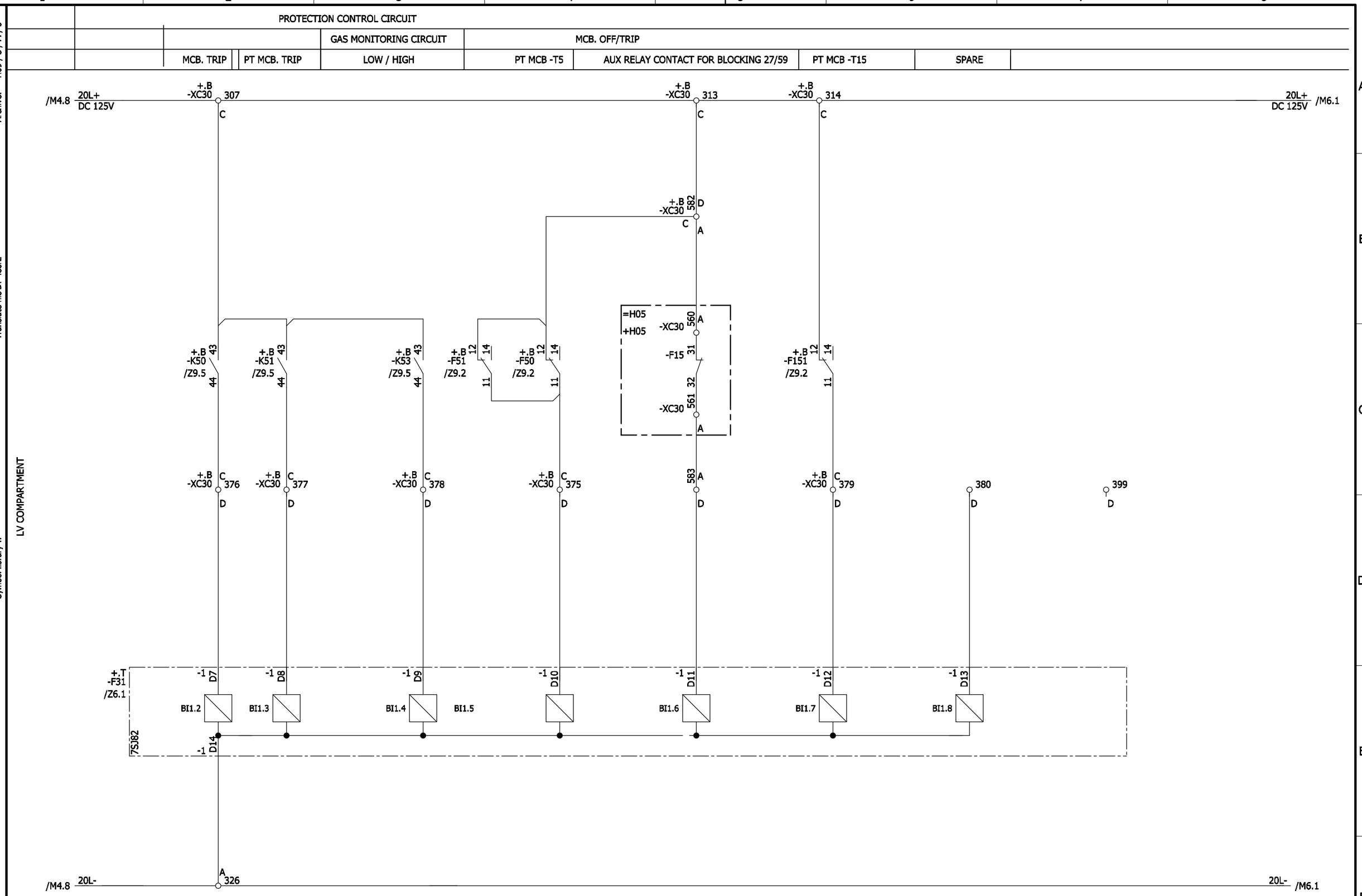
PROTECTION CONTROL CIRCUIT

		STATUS OF CIRCUIT BREAKER		STATUS OF DISCONNECTOR		STATUS OF EARTH		OPERATING KEY	CB motor status
REMOTE	LOCKOUT RELAY OPERATE (86)	CB. OFF	CB. ON	DS. OFF	DS. ON	ES. OFF	ES. ON	INSERTED	OP.MECH. CHARGE



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ01.1	S	=H09
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL CIRCUIT				M4
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A		Sheet 4+ 17 Sh.



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ01.1	S	=H09
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL CIRCUIT				
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A		

M5
Sheet 5+
17 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / M / 5

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Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

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ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / M / 6
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Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2
Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:
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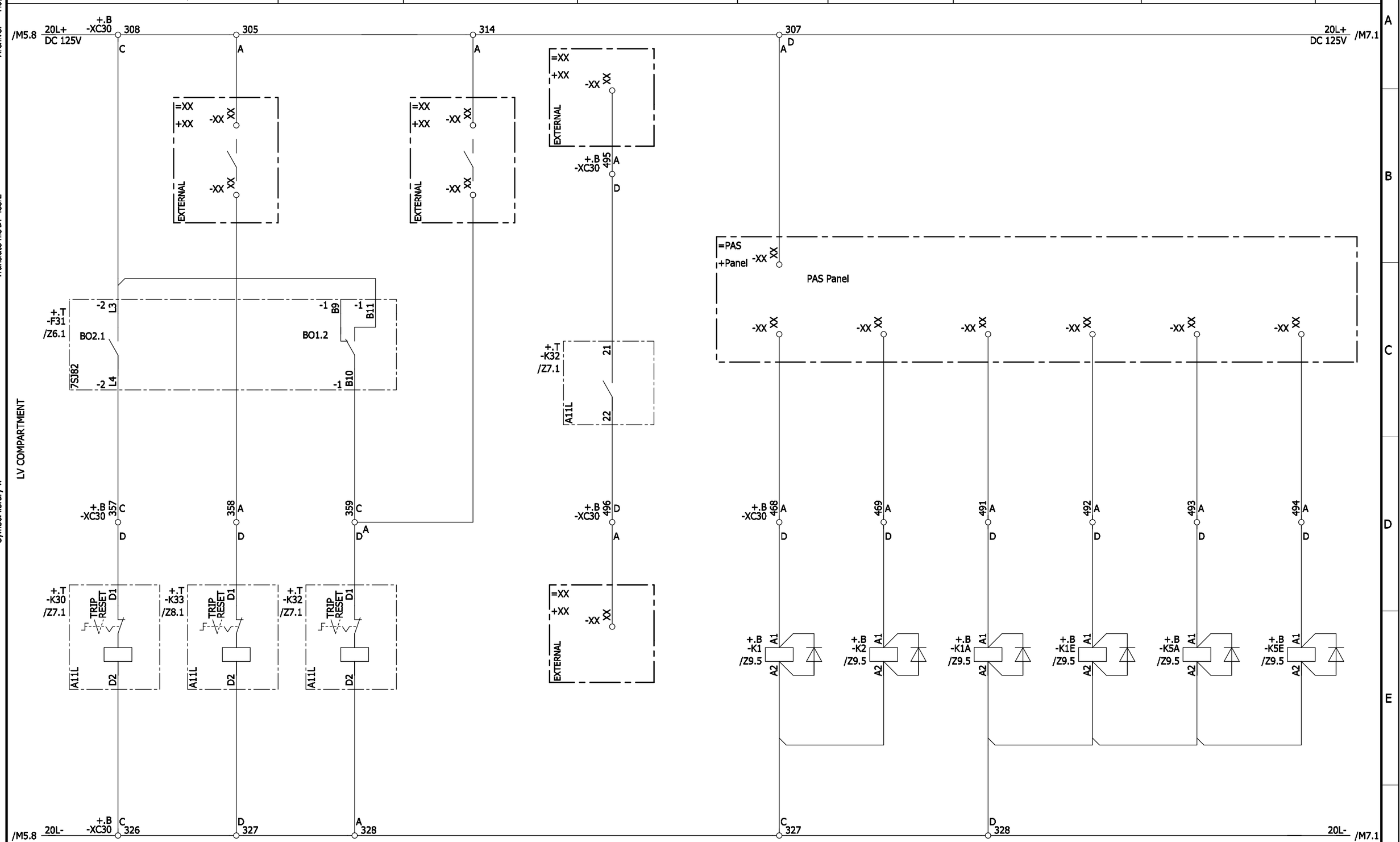
CIRCUIT BREAKER TRIP CONTROL							TPS PAS CONTROL		
CIRCUIT BREAKER TRIP BY					PAS CONTROL CIRCUIT		DISCONNECTOR		EARTHING SWITCH
50/51/50N/51N TRIP	FROM 33 kV TRIP	67;67N TRIP	SIGNAL FROM EXTERNAL (63)	TO 33 kV TRIP	CB. OFF	CB. ON	OFF ON		OFF ON



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ01.1	S	=H09	
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09	M6
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL CIRCUIT	998574-000501	(3) W92210-L1965-S095-A			Sheet 6+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram					17 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / M / 7
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Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2
Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:
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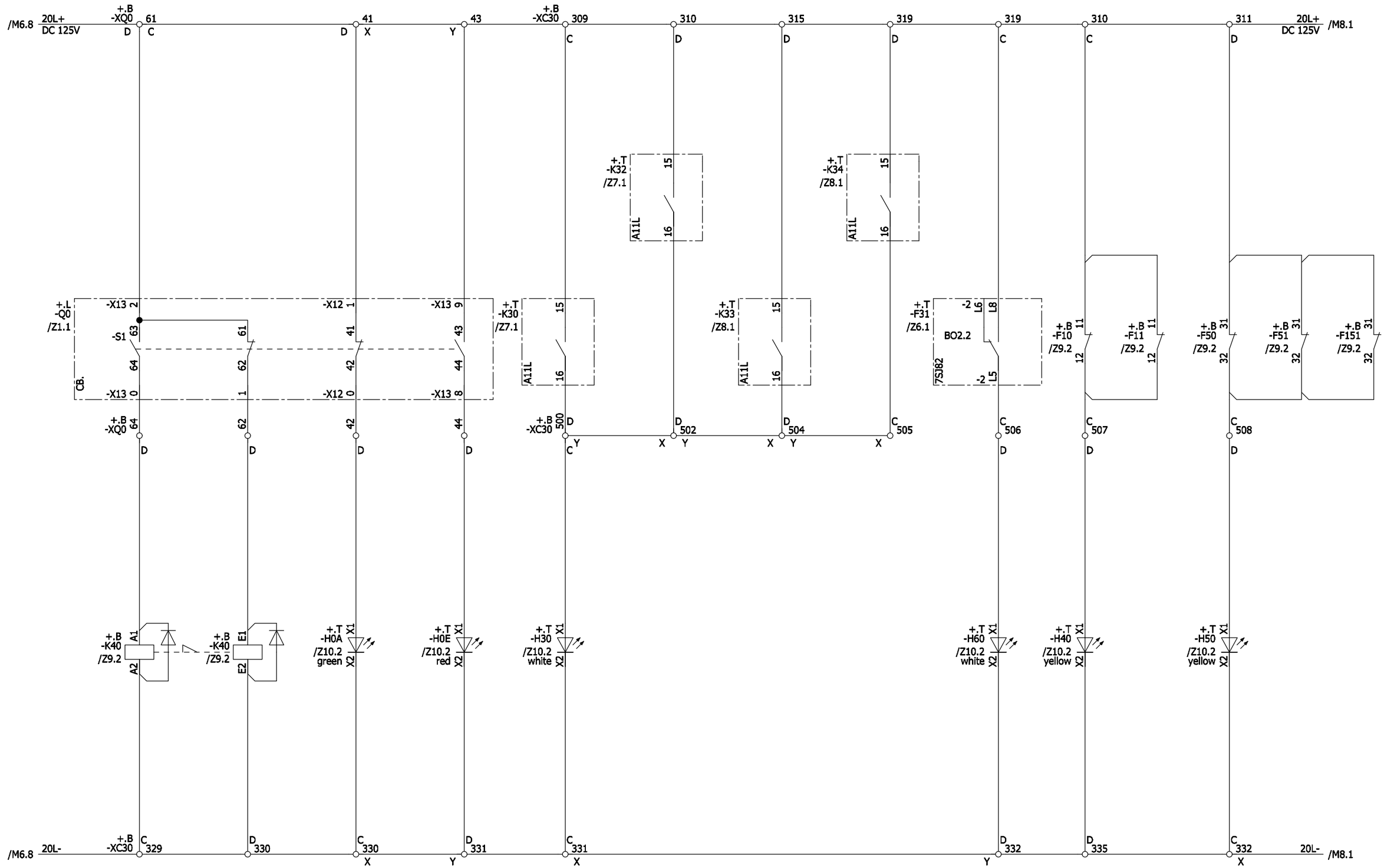
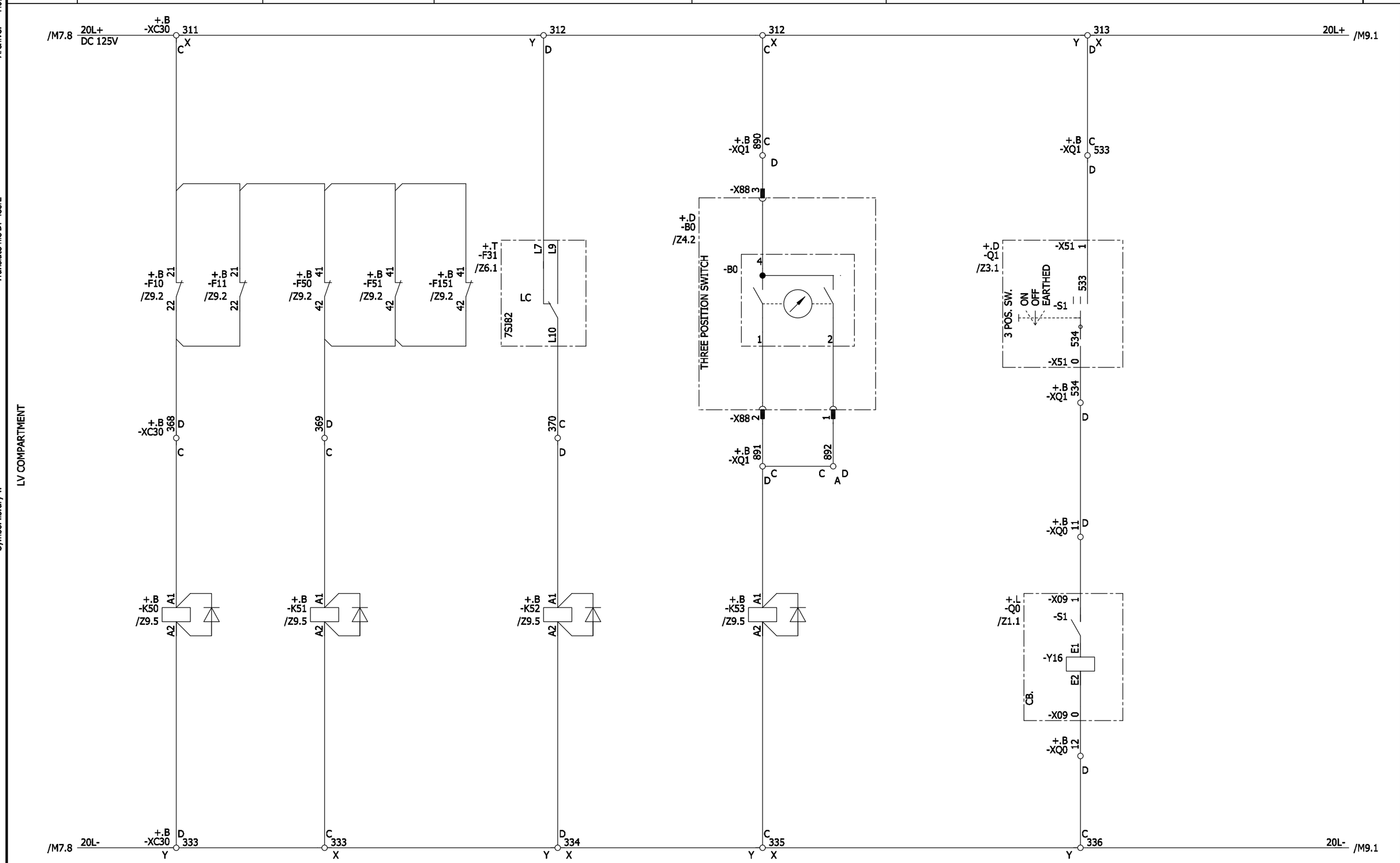
POSITION INDICATION CONTROL CIRCUIT

CB STATUS				TRIPPING AND LOCKOUT RELAY		MCB OFF/ TRIP INDICATOR					
ON	OFF	OFF	ON	50/51/50N/51N	67/67N/63/51NR	From 33kV GIS	UPSTREAM TRANSFER TRIP	27/59 TRIP		MOTOR DRIVE	PT MCB



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ01.1	S	=H09	
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09	M7
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL CIRCUIT	998574-000501	(3) W92210-L1965-S095-A			Sheet 7+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram					17 Sh.



				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ01.1	S	=H09
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL	998574-000501	(3) W92210-L1965-S095-A		M8
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram				Sheet 8+ 17 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / M / 8

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Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

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ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / M / 9
Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2
Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:
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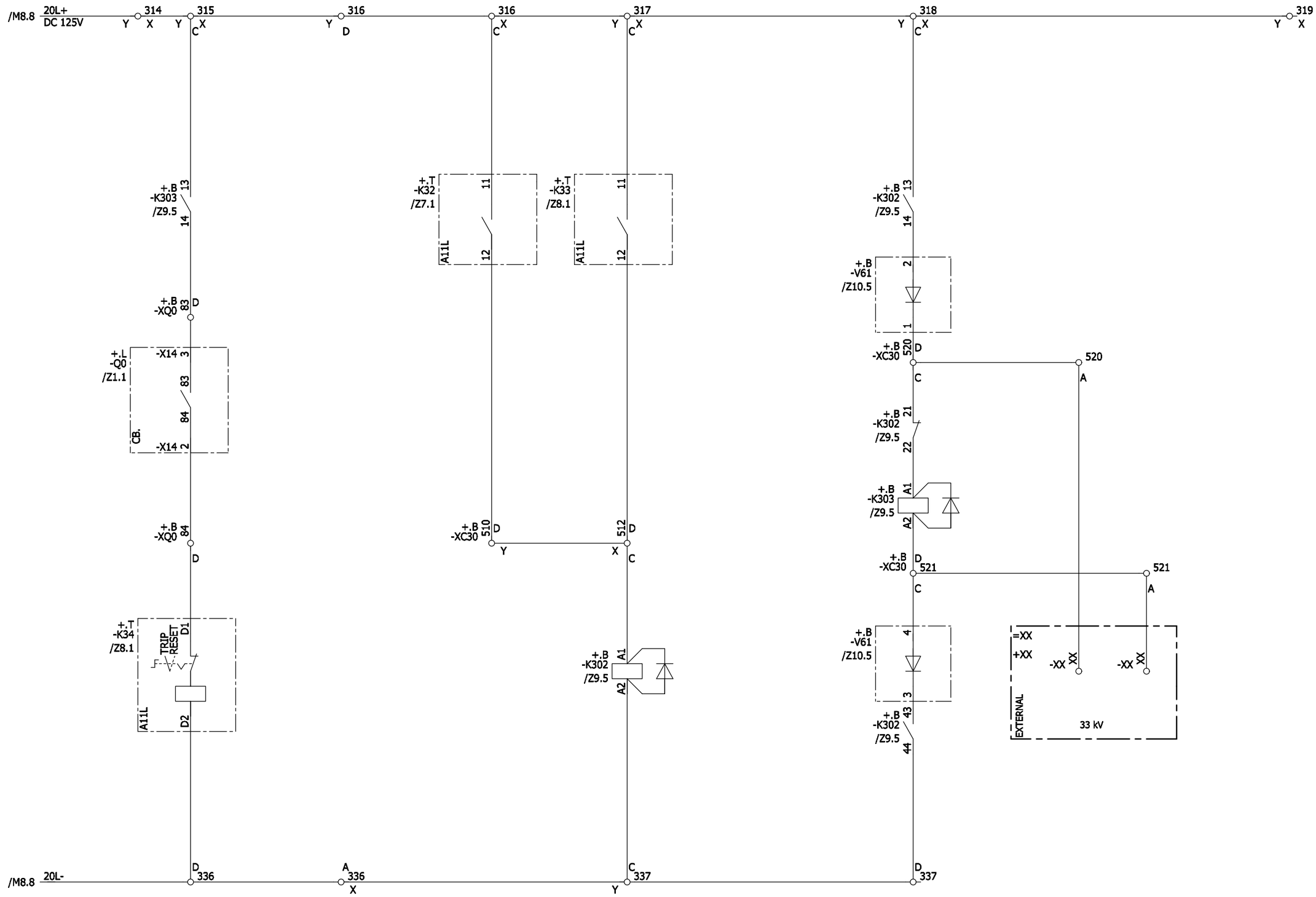
POSITION INDICATION CONTROL CIRCUIT

TRASNSFER TRIP	TO UPSTREAM	
FROM UPSTREAM TRIP CIRCUIT	TRANSFER TRIP CIRCUIT TO 33 kV	TO UPSTREAM TRIP



LV COMPARTMENT

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV					
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder	=HZ01.1	S	=H09		
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL			+H09		M9
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A			Sheet 9+ 17 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / M / 10
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Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2
Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:
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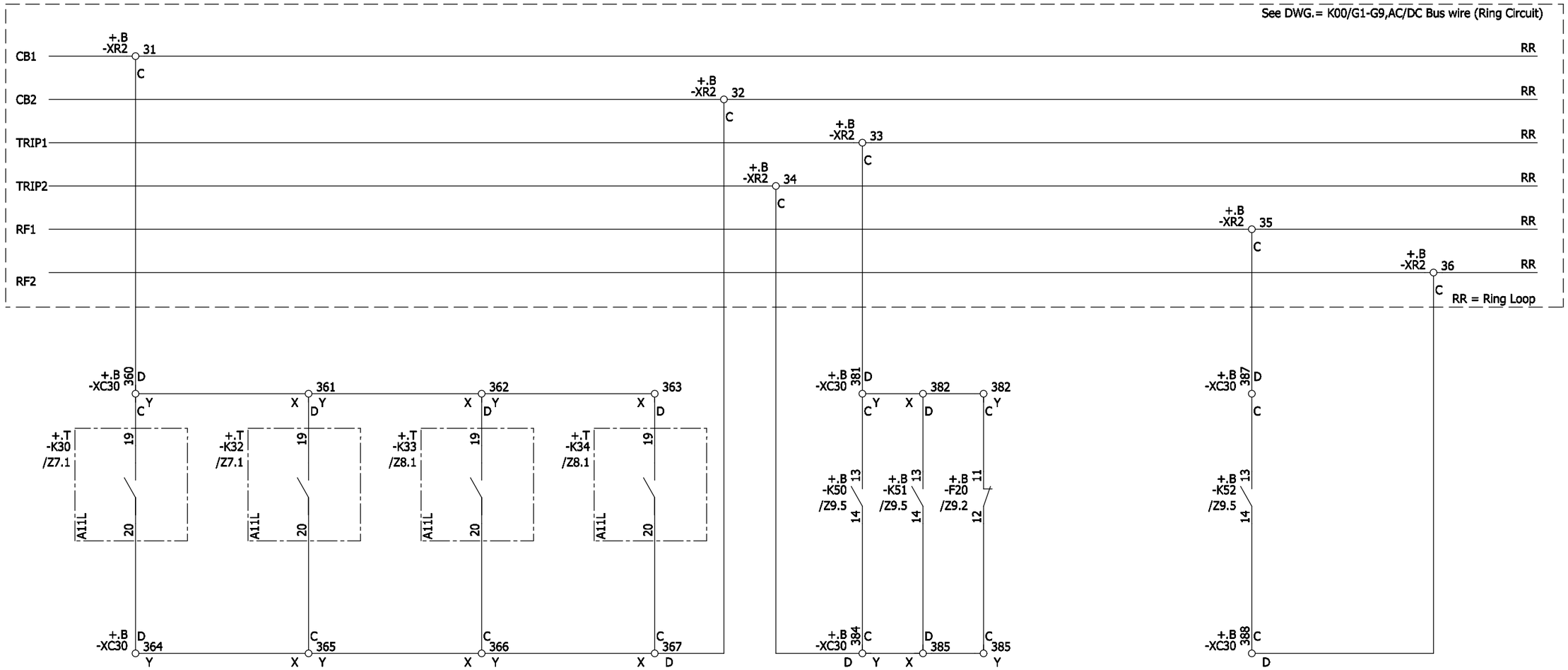
LV COMPARTMENT

SIGNAL CONTACT FOR BUS WIRE						
TRIPPING AND LOCKOUT RELAY					MCB OFF / TRIP	PROTECTION RELAY
	51/51N TRIP	67/67N/63/51NR TRIP	TRIP From 33kV GIS	UPSTREAM TRANSFORMER TRIP		LIVE STATUS CONTACTS



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ01.1	S	=H09
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL				
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A		

M10
Sheet 10+
17 Sh.

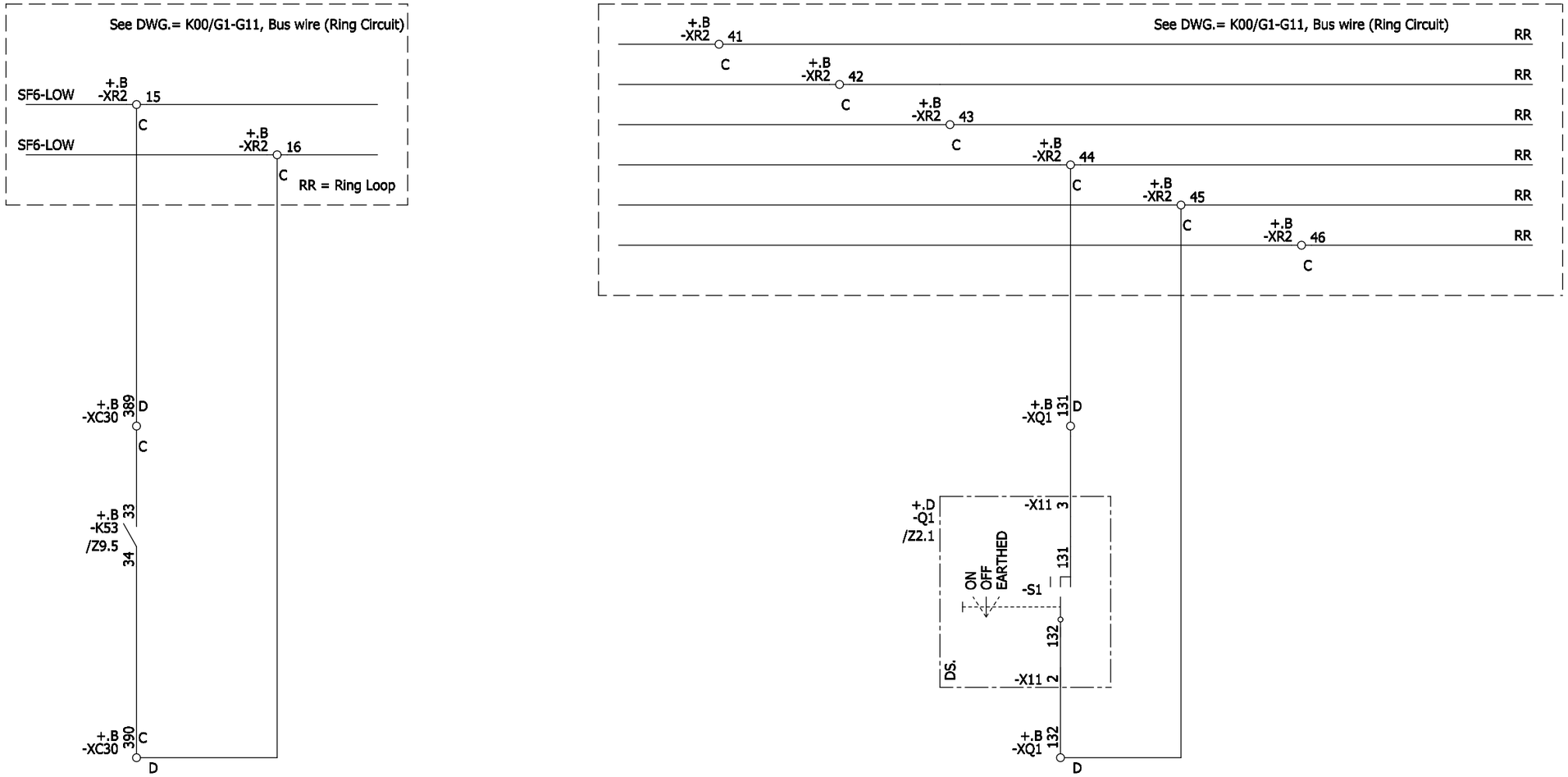
SIGNAL CONTACT FOR BUS WIRE

GAS MONITORING CIRCUIT

FOR CB. COMPARTMENT

INTERLOCKING BB ES

DS OFF



LV COMPARTMENT

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ01.1	S	=H09
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL				M11
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A		Sheet 11+ 17 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / M / 11

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Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Hermann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

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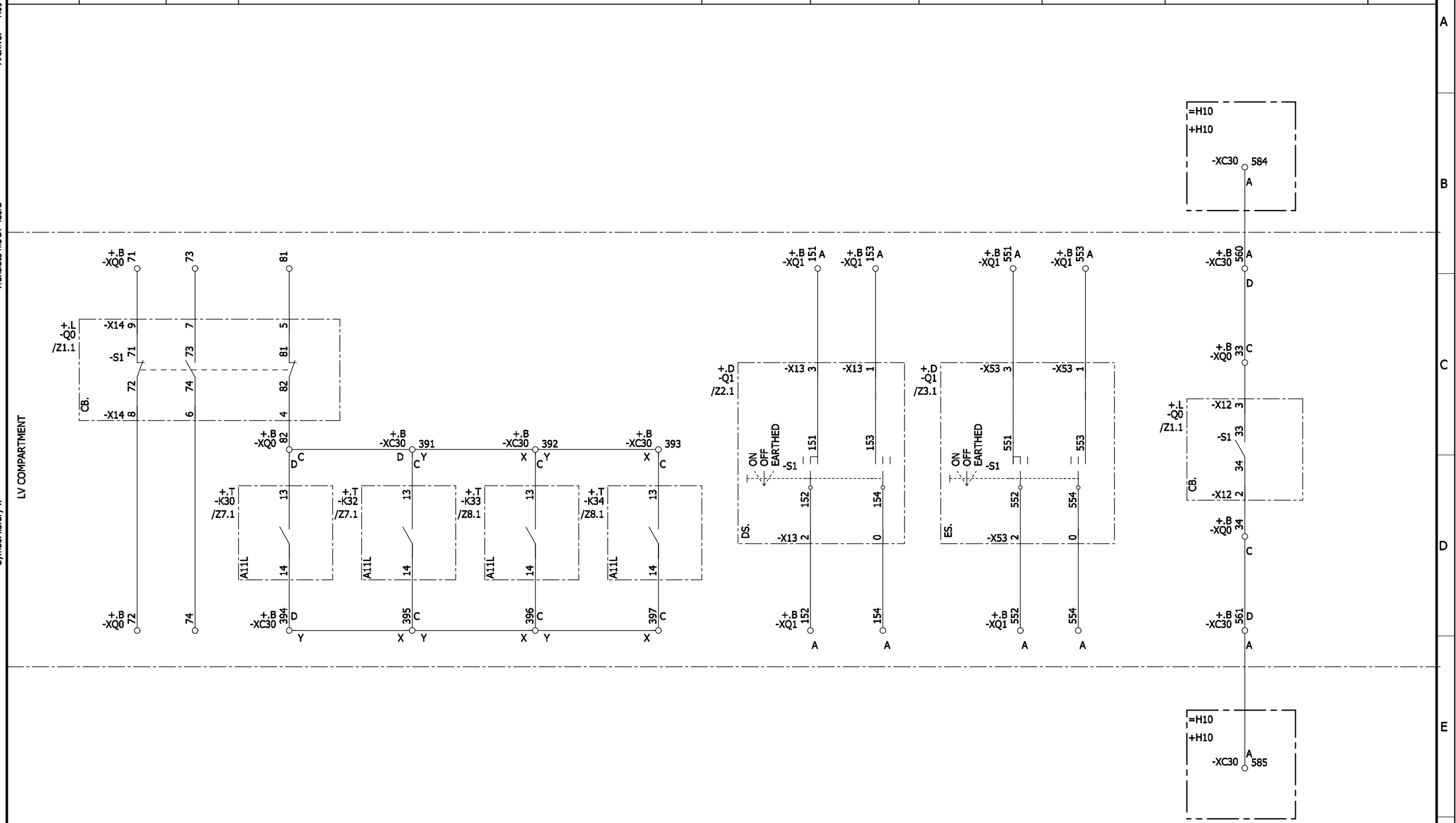
SIGNAL CONTACT FOR EXTERNAL						
CIRCUIT BREAKER			ISOLATOR SWITCH		EARTHING SWITCH		CB ON TO BUSSECTION
OFF	ON	TRIP	OFF	ON	OFF	ON	MAIN INCOMING MP1



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

ELCAD-Version 7.7.1 SP2
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Archive: =H09 / S / M / 12

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Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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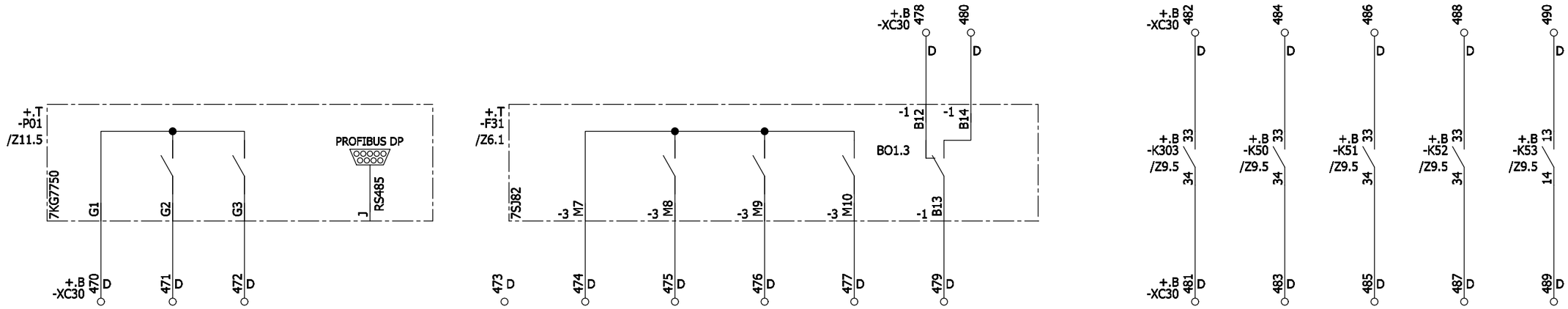
Revision	Modification	Date	Name				
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW	Siemens AG
				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
SIGNAL CONTACT FOR EXTERNAL
Circuit diagram

=HZ01.1 | S | =H09 | +H09 | M12

998574-000501 | (3) W92210-L1965-S095-A | Sheet 12+ 17 Sh.

	SIGNAL CONTACT FOR EXTERNAL								
	POWER METER		BINARY INPUT			LOCKOUT RELAY			
	COMMUNICATION INTERFACE		SPARE	SPARE		51/51N	50/50N	SPARE	



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ01.1	S	=H09	
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09	M13
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL	998574-000501	(3) W92210-L1965-S095-A			Sheet 13+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram					17 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / M / 13

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Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

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ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / M / 14

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Project: C:/Hermann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

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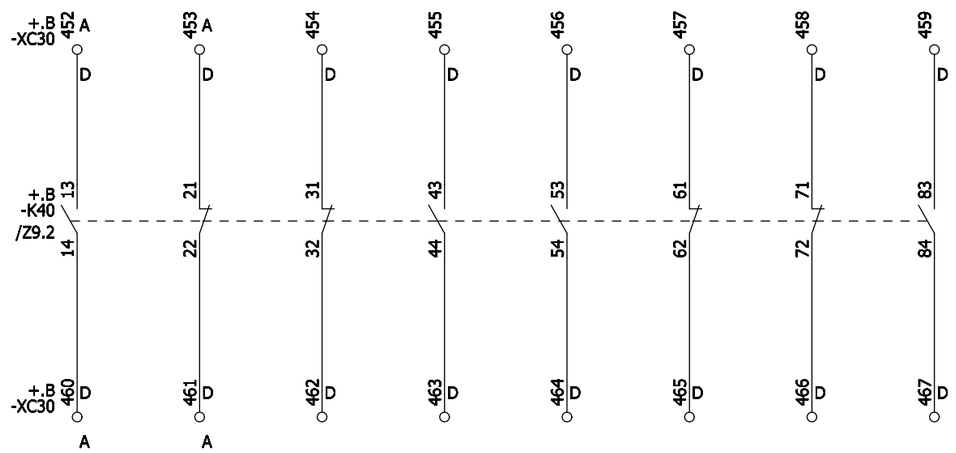
CONTACT FOR EXTERNAL								
AUXILIARY CONTACT FOR CB. STATUS								
ON	OFF	OFF	ON	ON	OFF	OFF	ON	

LV COMPARTMENT



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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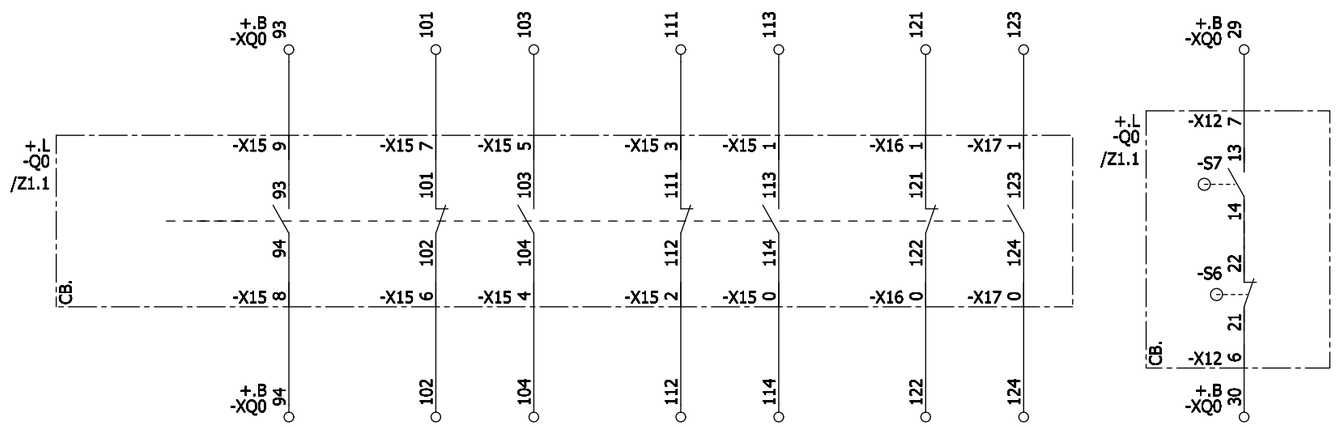
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09	M14
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		INDICATION / STATUS	998574-000501	(3) W92210-L1965-S095-A			Sheet 14+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram					17 Sh.

	CONTACT FOR EXTERNAL										
		CIRCUIT BREAKER								BREAKER TRIPPING	
			ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	INDICATION



LV COMPARTMENT

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV					
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder	=HZ01.1	S	=H09		
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL CIRCUIT			+H09		M15
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A			Sheet 15+ 17 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / M / 15

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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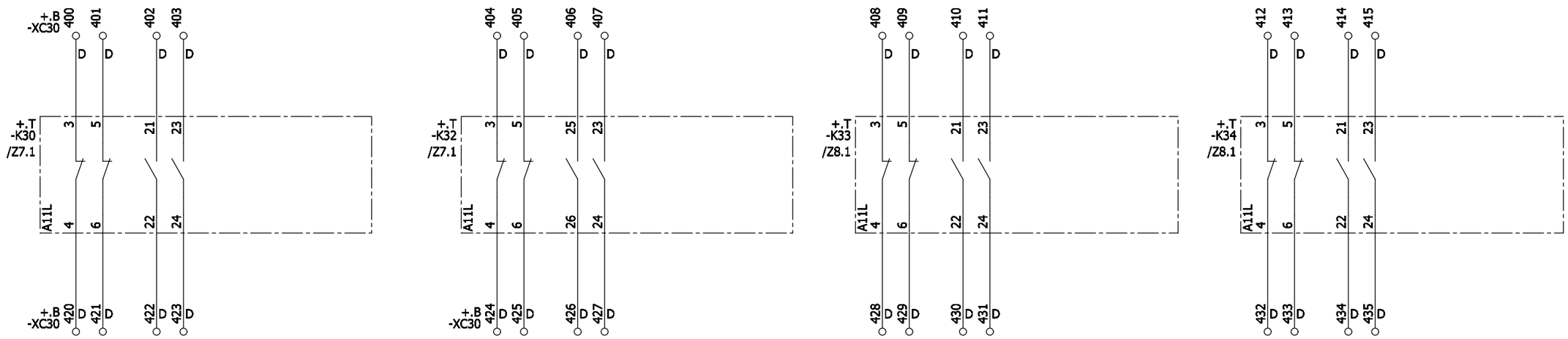
SIGNAL CONTACT FOR EXTERNAL			
LOCKOUT RELAY FOR SPARE			
51/51N TRIP	TRIP FROM 11,5kV	67/67N/51NR/63 TRIP	TRANSFER TRIP



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / M / 16

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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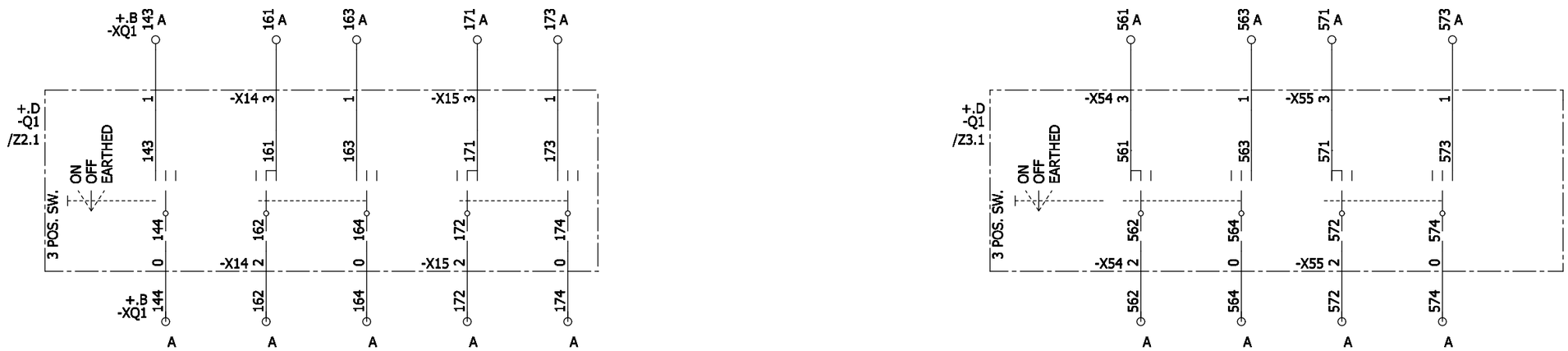
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV			
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder	=HZ01.1	S	=H09
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL			+H09
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A	

M16
Sheet 16+
17 Sh.

	SPARE AUXILIARY CONTACT						SPARE AUXILIARY CONTACT			
	ISOLATOR SWITCH						EARTHING SWITCH			
		ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / M / 17

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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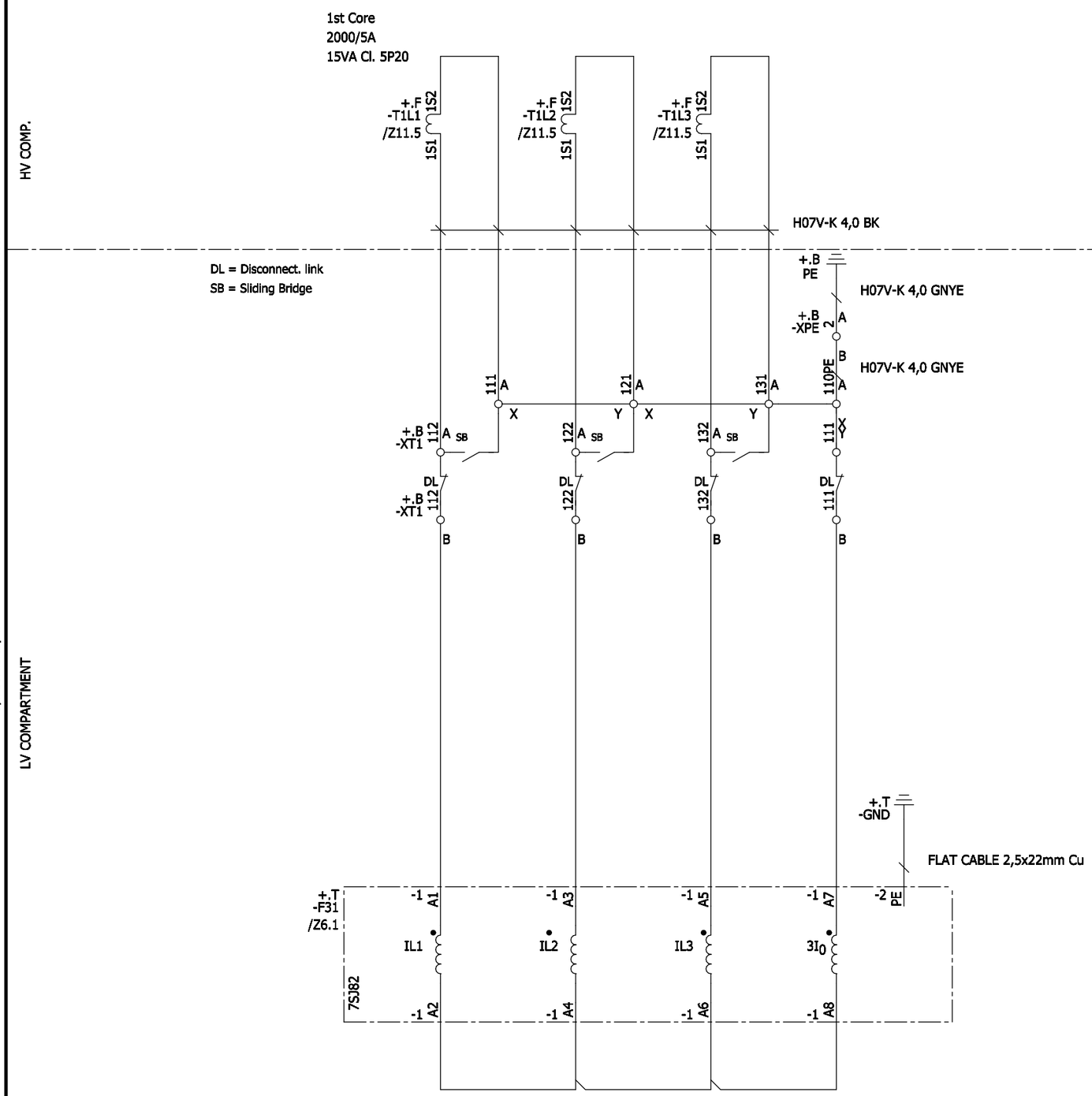
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV					
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder	=HZ01.1	S	=H09		
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL CIRCUIT			+H09		M17
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A			Sheet 17-17 Sh.

1st SECONDARY CORE OF CURRENT TRAMSFORMER

FOR PROTECTION



ALL UNIDENTIFIED WIRES H07V-K 2,5 BK

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / S / 1

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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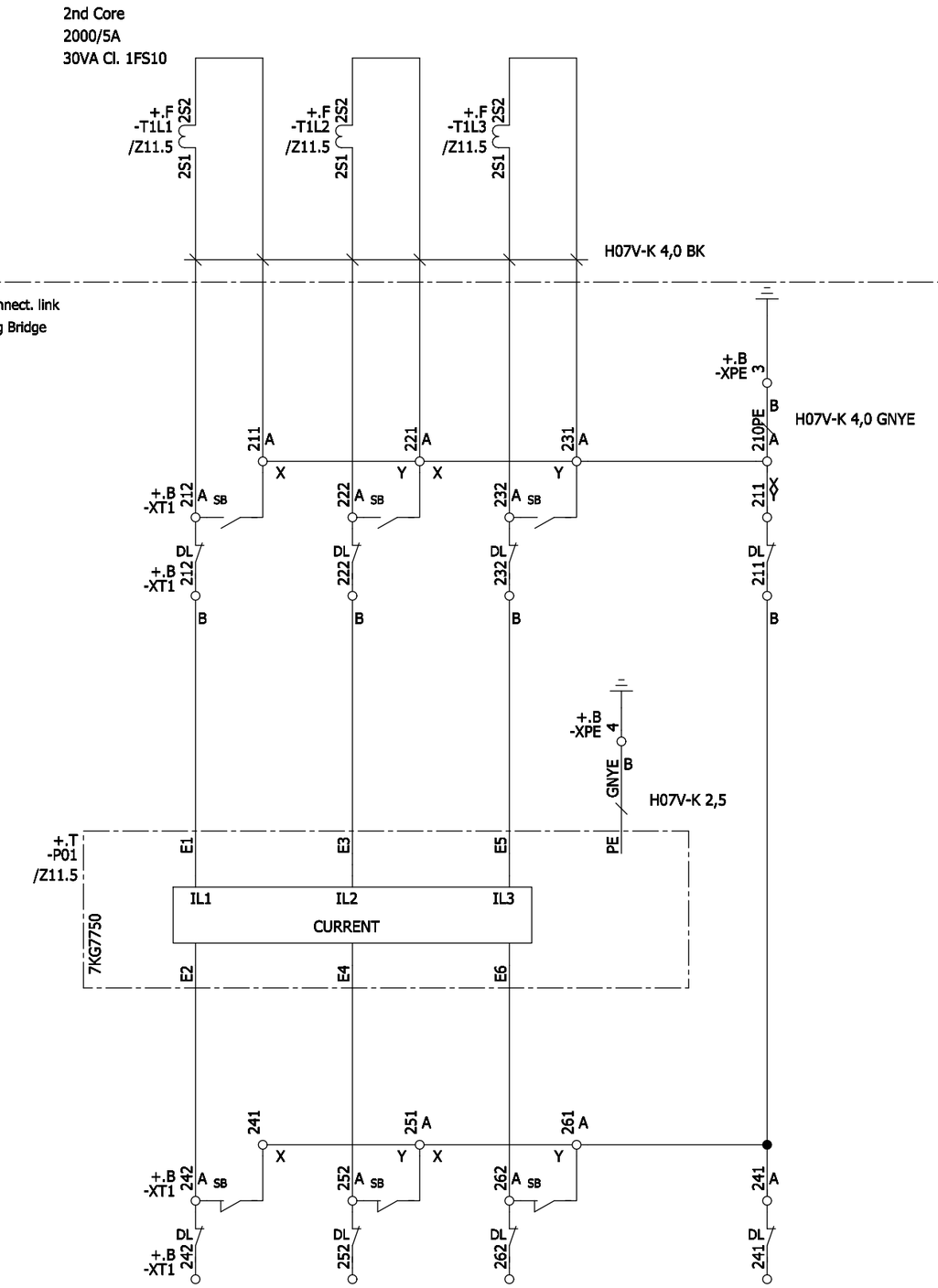
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV				
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder	=HZ01.1	S	=H09	
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		TRANSFORMER CIRCUITS			+H09	S1
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A		Sheet 1+ 5 Sh.

2nd SECONDARY CORE OF CURRENT TRAMSFORMER

FOR METERING



ALL UNIDENTIFIED WIRES H07V-K 2,5 BK

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Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / S / 2

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV				
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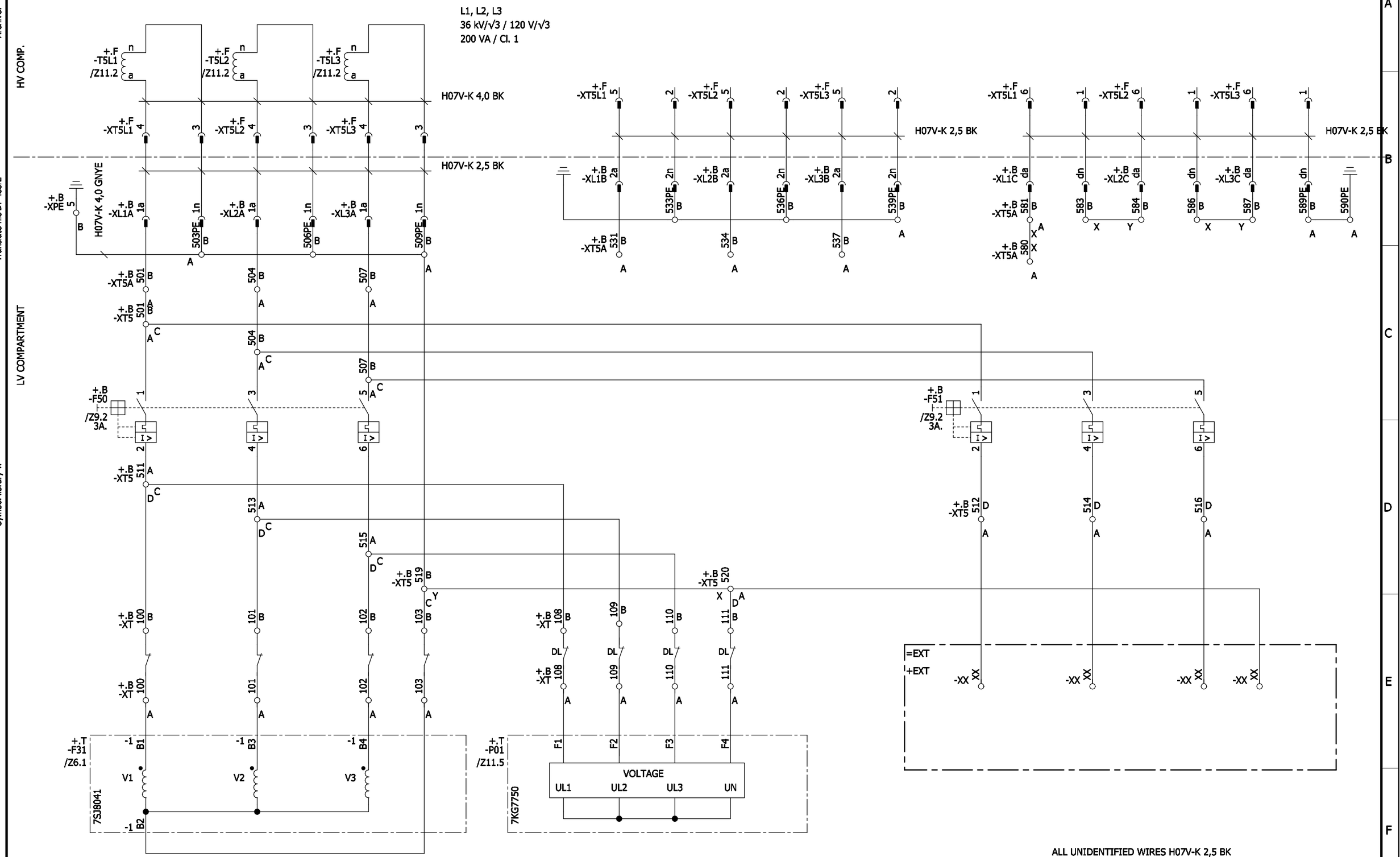
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		TRANSFORMER CIRCUITS			+H09	S2
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A		Sheet 2+ 5 Sh.

SECONDARY WINDING -T5 VOLTAGE TRAFO (110V)

FOR PROTECTION | FOR METERING | FOR Main XTR RCP



				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ01.1	S	=H09
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		TRANSFORMER CIRCUITS				S3
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A		Sheet 3+ 5 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / S / 3

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Hermann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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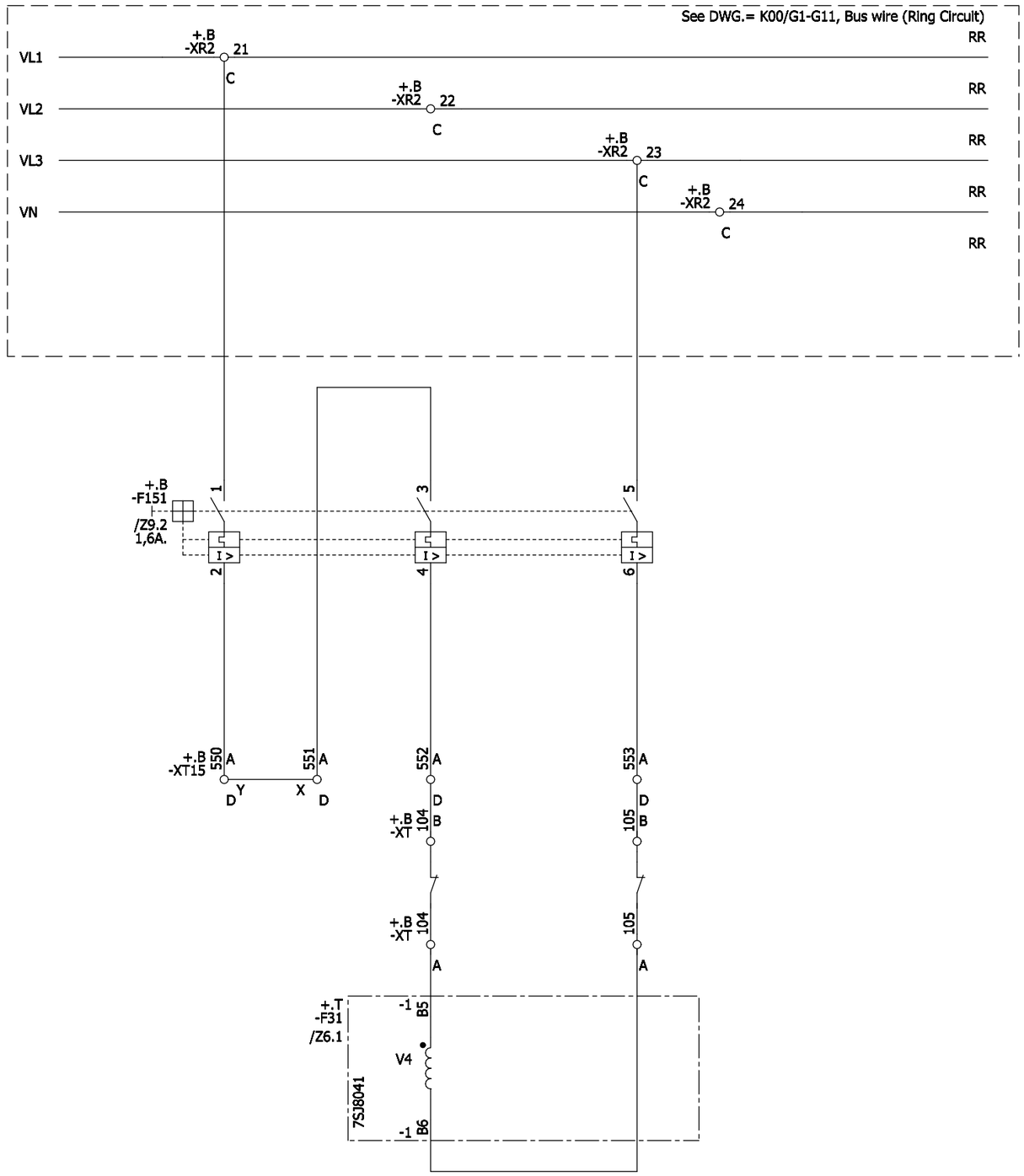
SECONDARY WINDING OF BUSBAR VOLTAGE TRAFO

FROM AC. BUSWIRE VOLTAGE (INCOMING FEEDER)

FOR PROTECTION



ALL UNIDENTIFIED WIRES H07V-K 2,5 BK

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / S / 4

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV			
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder	=HZ01.1	S	=H09
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		TRANSFORMER CIRCUITS			+H09
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A	

S4

Sheet 4+ 5 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / S / 5

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

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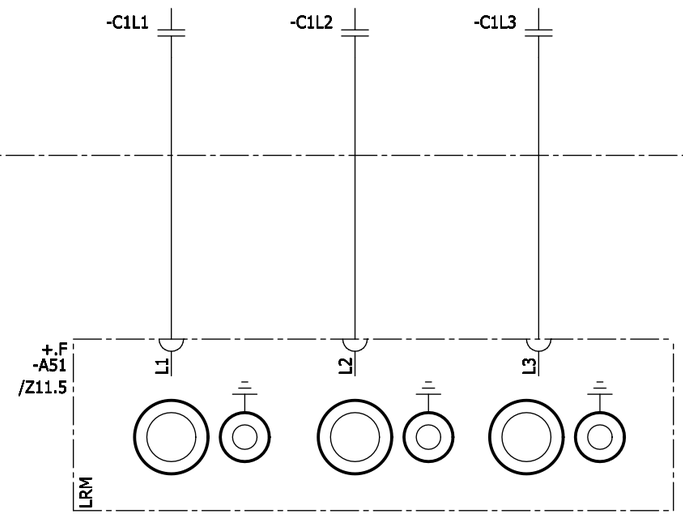
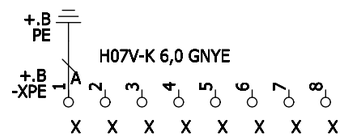
HV COMP.

LV COMPARTMENT

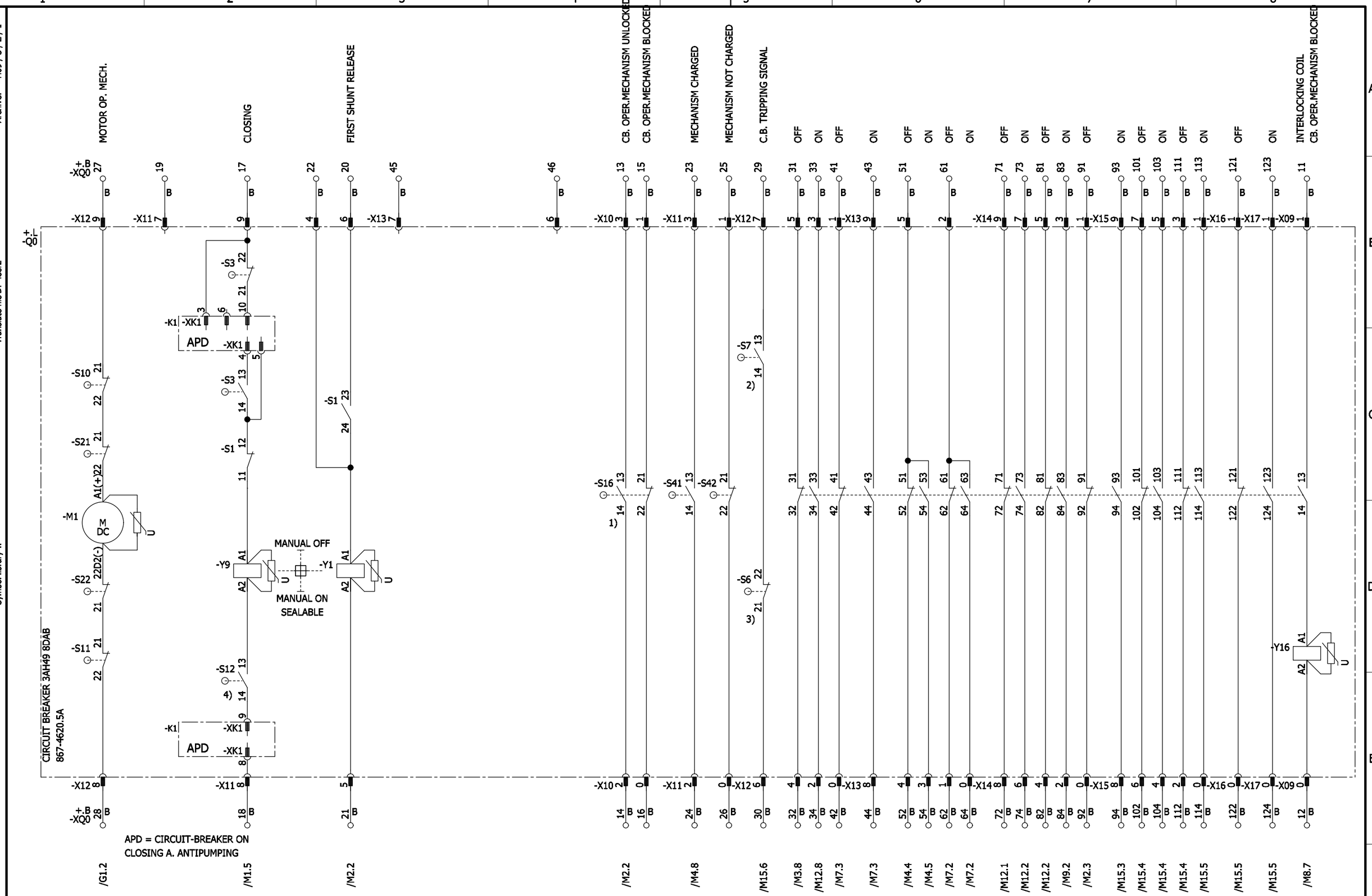
CAP. VOLTAGE TAP





ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ01.1	S	=H09	
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09	S5
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CAPDIS-S1+	998574-000501	(3) W92210-L1965-S095-A			Sheet 5-
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram					5 Sh.



1) OPERATES WHEN CB. TRIP IS NOT LOCKED OUT

2) OPERATES WHEN MECH. OFF IS NOT PRESSED

3) OPERATES WHEN NO TRIPPING

4) INTERLOCKING OF ELECTRICAL CLOSING OF THE CB IN CASE OF MANUAL OPERATION OF THE THREE-POSITION SWITCH

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2

Archive: =H09 / S / Z / 1

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Hermann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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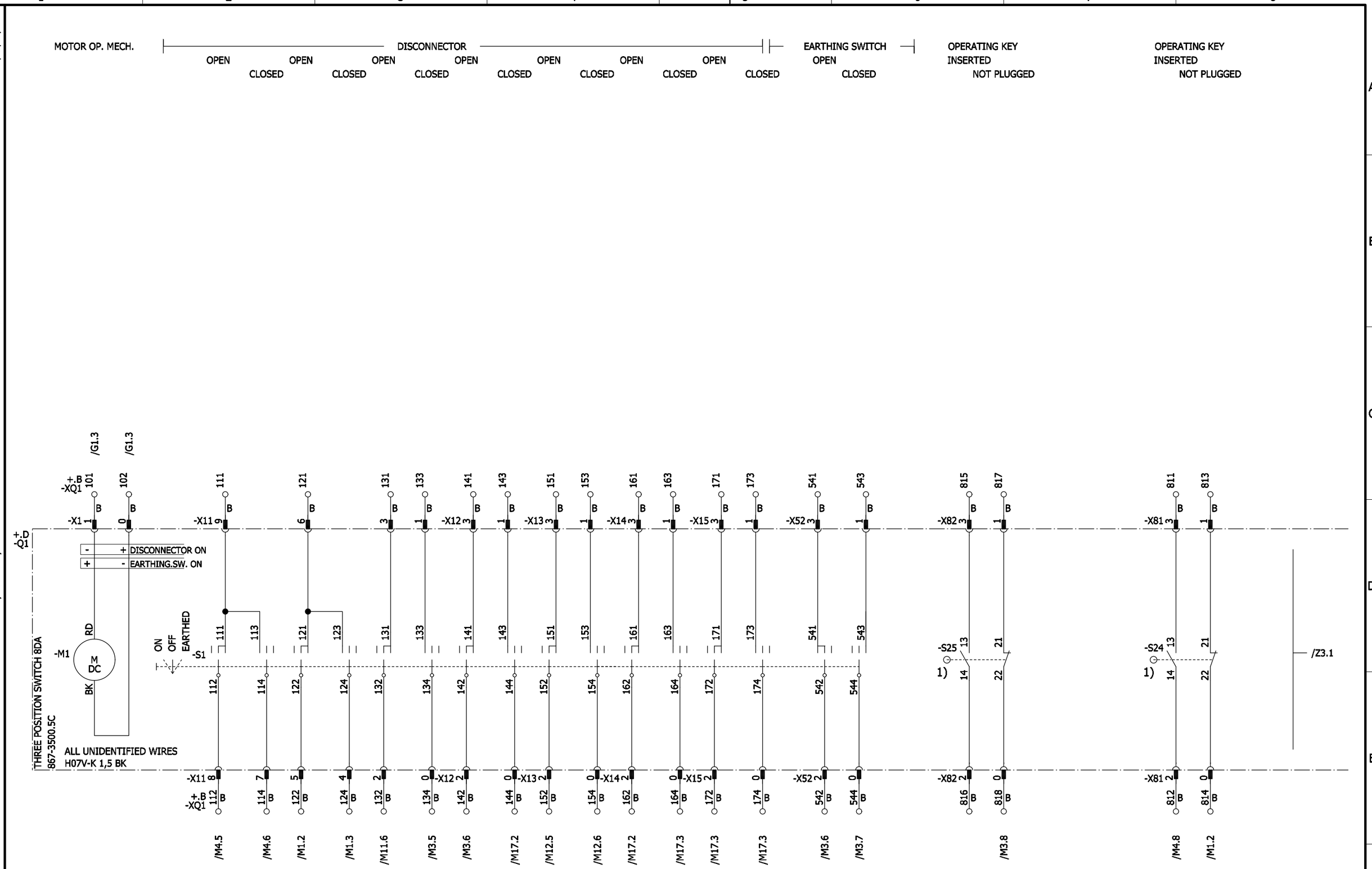
Revision	Modification	Date	Name				
				Date	07.04.2021	Vena new energy company / TW	Siemens AG
				Drawn	Herrmann	Siemens Limited (Taipei)	
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
CIRCUIT BREAKER
Circuit diagram

=HZ01.1 | S | =H09 | +H09 | Z1

998574-000501 | (3) W92210-L1965-S095-A | Sheet 1+ 11 Sh.



1) SHOWN WITH LEVER NOT INSERTED

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / Z / 2

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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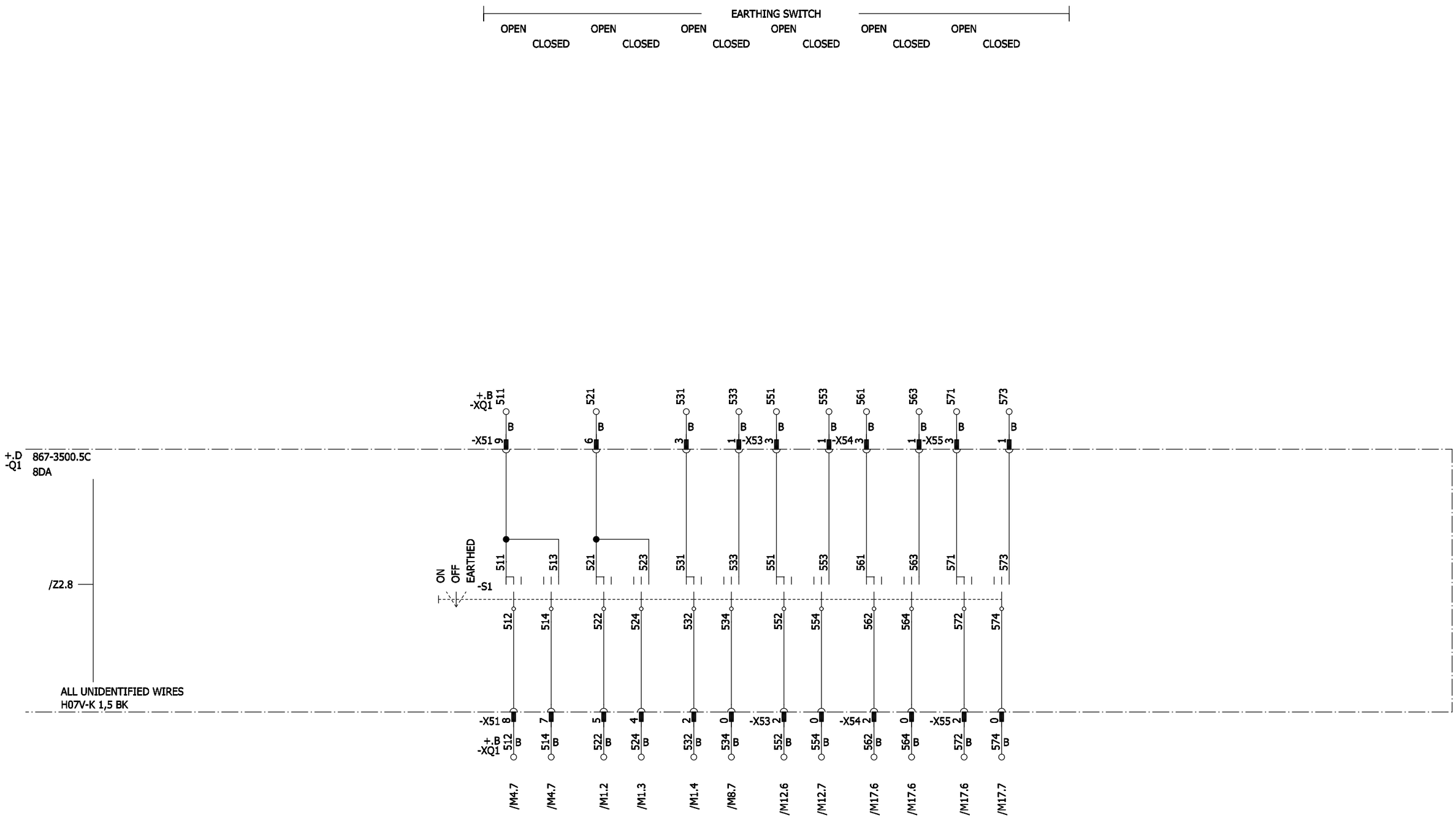
Revision	Modification	Date	Name				
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW	Siemens AG
				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
THREE POSITION SWITCH
Circuit diagram

=HZ01.1 | S | =H09 | +H09 | Z2

998574-000501 | (3) W92210-L1965-S095-A | Sheet 2+ 11 Sh.



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / Z / 3

Revision	Modification	Date	Name				
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				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
THREE POSITION SWITCH
Circuit diagram

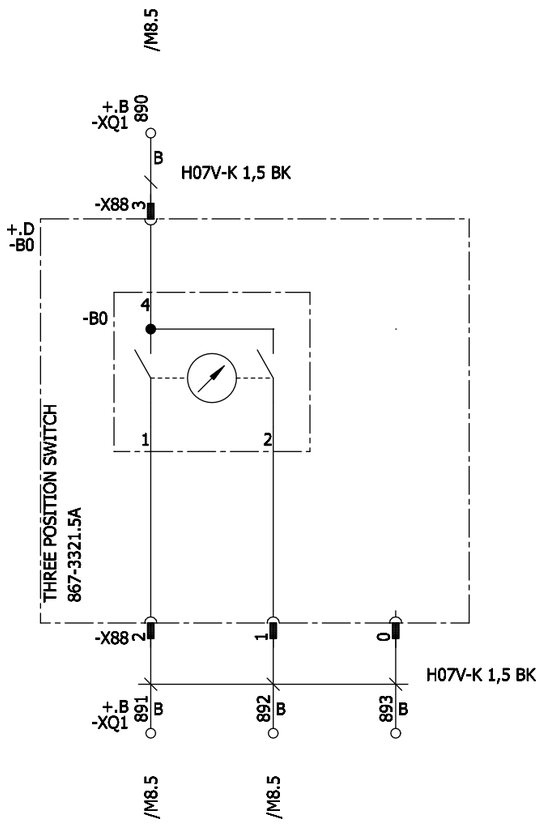
=HZ01.1 | S | =H09 | +H09 | Z3

998574-000501 | (3) W92210-L1965-S095-A | Sheet 3+ 11 Sh.

GAS PRESSURE MONITORING
CIRCUIT BREAKER -Q0
P< P>

PLEASE NOTE:

MANOMETER WITH 2 ALARM CONTACTS (STANDARD)
CONTACT 1: UNDERPRESSURE P<
CONTACT 2: OVERPRESSURE P>



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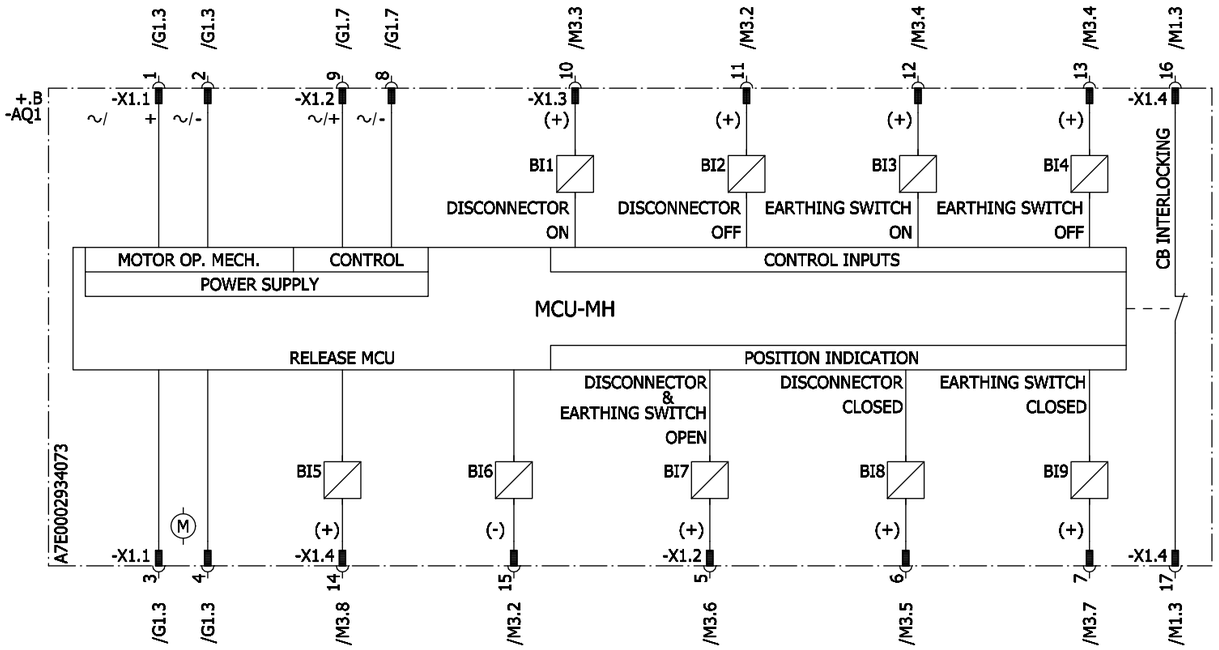
Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / Z / 4

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ01.1	S	=H09
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		VOIS +				Z4
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A		Sheet 4+ 11 Sh.



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09	Z5
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		PROTECTION DEVICE	998574-000501	(3) W92210-L1965-S095-A			Sheet 5+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram					11 Sh.

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2

Archive: =H09 / S / Z / 5

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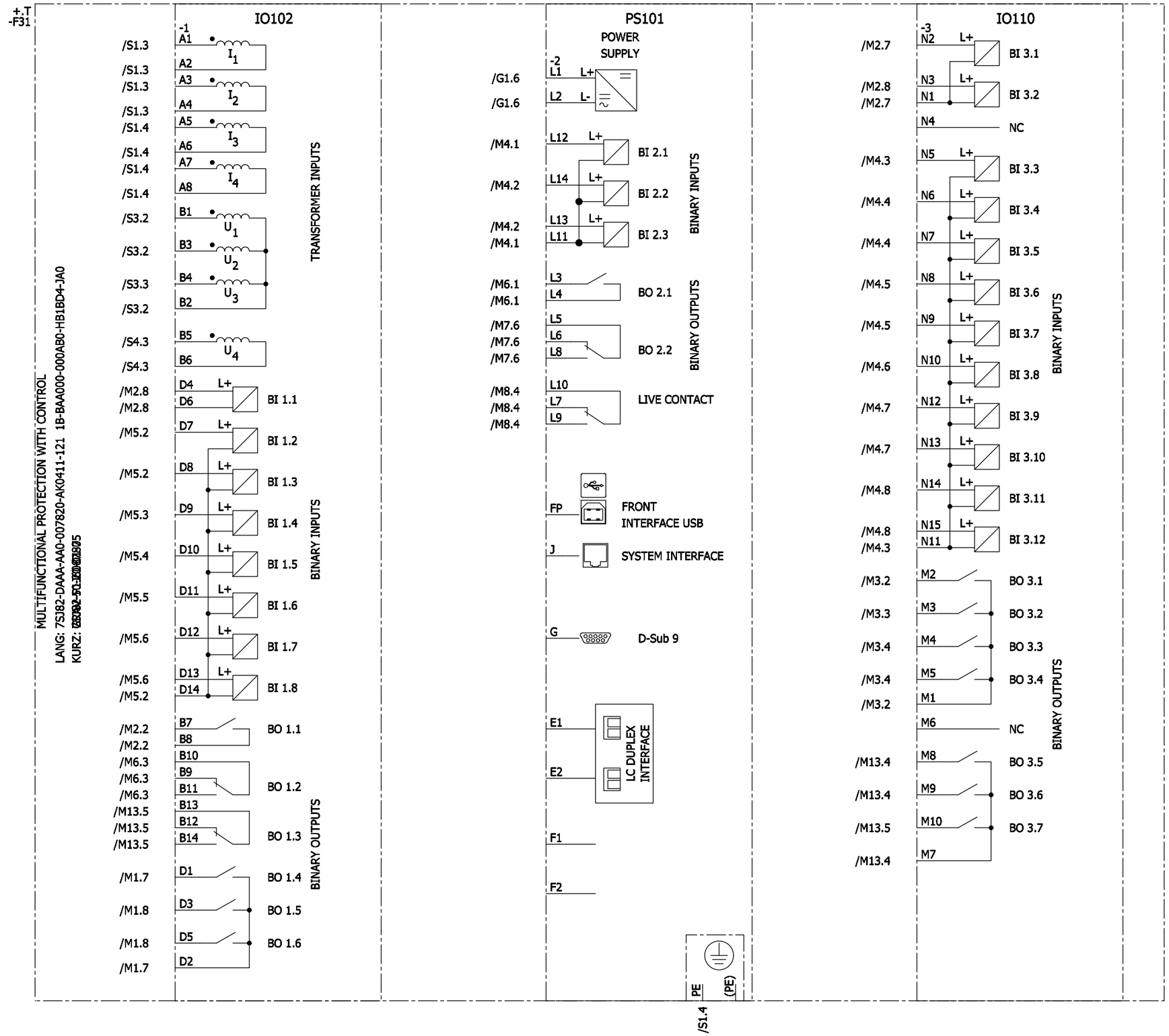

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ01.1	S	=H09	
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09	Z6
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SECONDARY EQUIPMENT	998574-000501	(3) W92210-L1965-S095-A			Sheet 6+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram					11 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / Z / 6

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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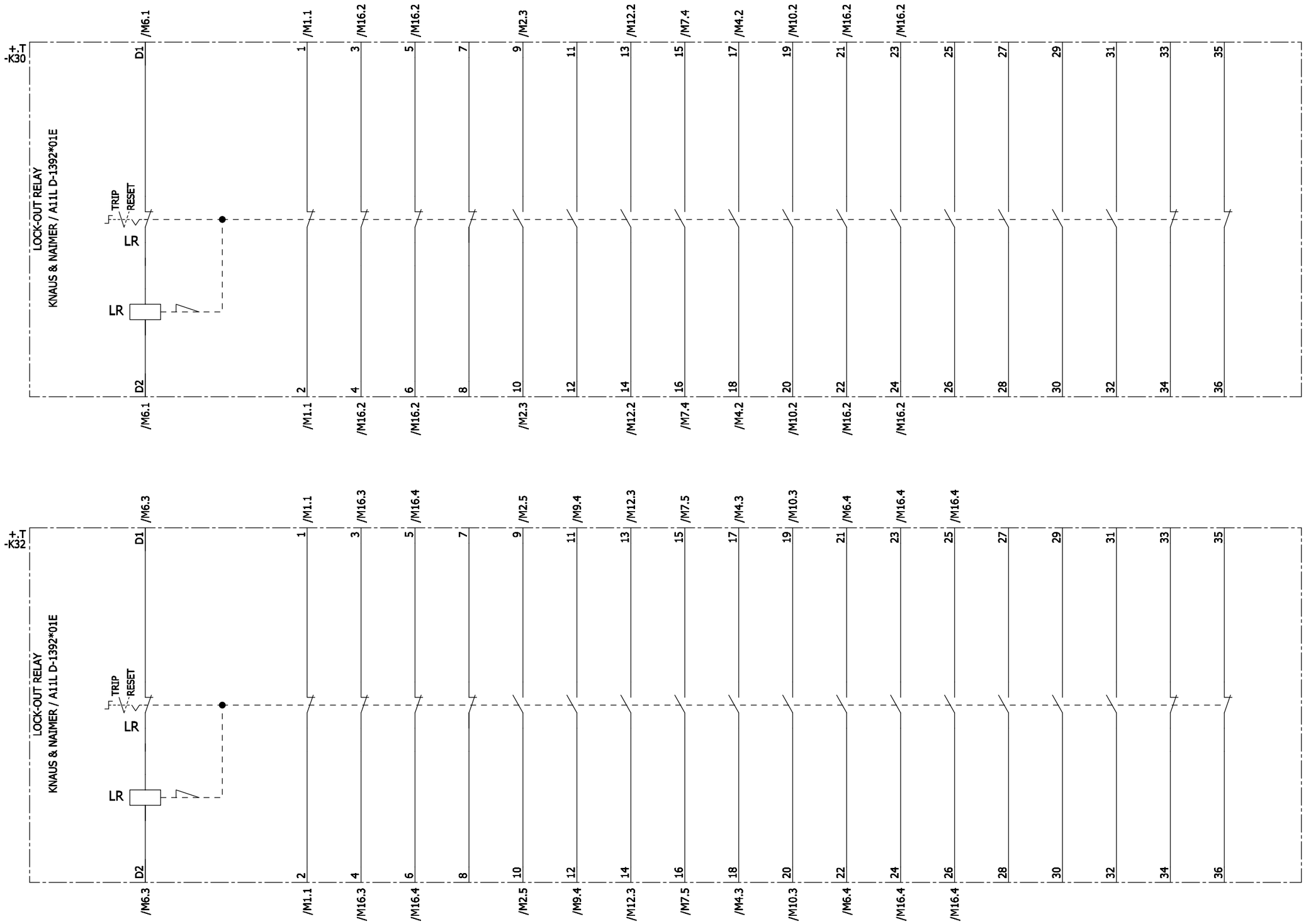

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV				
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder	=HZ01.1	S	=H09	
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SECONDARY EQUIPMENT			+H09	Z7
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A		Sheet 7+ 11 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / Z / 7

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Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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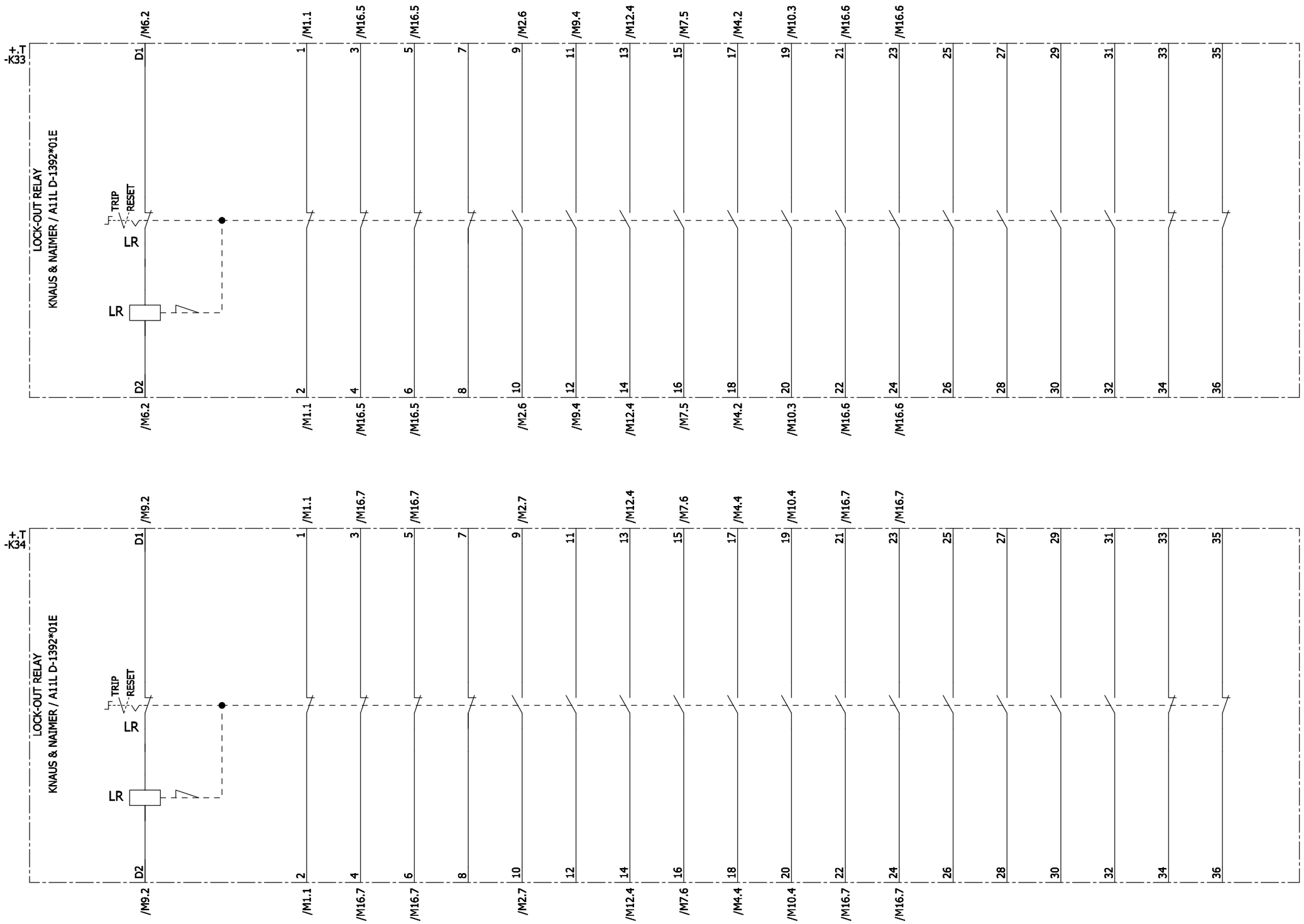

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV				
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder	=HZ01.1	S	=H09	
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SECONDARY EQUIPMENT			+H09	Z8
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A		Sheet 8+ 11 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / Z / 8

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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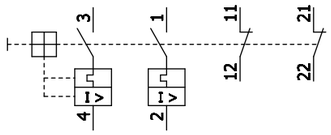
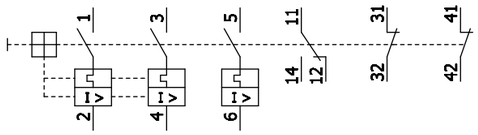
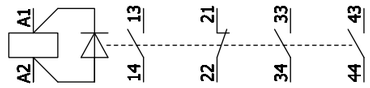


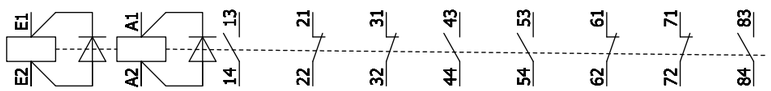
	5SY5204-7 +.B 2-pol, C 4A -F10 5ST3012 2NC CB. MOTOR DRIVE	/G1.2	/G1.2	/M7.7	/M8.2
	5SY5206-7 +.B 2-pol, C 6A -F20 5ST3012 2NC CONTROL/PROTECTION	/G1.5	/G1.5	/M10.6	
	5SY5202-7 +.B 2-pol, C 2A -F11 5ST3012 2NC TPS. MOTOR DRIVE	/G1.3	/G1.3	/M7.7	/M8.2



	3RV1611-1DG14 +.B 3RV2901-1C -F50 3A PROTECTION/METERING	/S3.2	/S3.2	/S3.3	/M5.4	/M7.8	/M8.3
	3RV1611-1DG14 +.B 3RV2901-1C -F51 3A PROTECTION/METERING	/S3.6	/S3.7	/S3.8	/M5.3	/M7.8	/M8.3
	3RV1611-1AG14 +.B 3RV2901-1C -F151 1,6A PROTECTION/METERING	/S4.2	/S4.3	/S4.3	/M5.5	/M7.9	/M8.3



	3RH2131-1BG40 +.B 3RT2916-1DG00 -K1 125V DC CB. OFF EXTERNAL	/M6.5	/M1.6			
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K2 125V DC CB. ON EXTERNAL	/M6.6	/M1.6		/M1.7	
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K50 125V DC MCB. TRIP	/M8.2	/M10.5		/M13.7	/M5.2
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K51 125V DC VT MCB. TRIP	/M8.3	/M10.5		/M13.7	/M5.2
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K52 125V DC LIVE STATUS CONTACTS	/M8.4	/M10.7		/M13.7	
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K53 125V DC SF6-GAS ALARM "LOW"	/M8.5	/M13.8		/M11.2	/M5.3
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K1A 125V DC	/M6.6	/M3.3			
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K1E 125V DC	/M6.7	/M3.3			
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K5A 125V DC	/M6.8	/M3.4			
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K5E 125V DC	/M6.8	/M3.5			
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K303 125V DC TRIP FROM DOWNST. TRAFO	/M9.6	/M9.2		/M13.6	
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K302 125V DC TRIP TO DOWNST. TRAFO	/M9.4	/M9.6	/M9.6		/M9.6



	3RH2422-1BG40 +.B 3RH2911-1FA22 -K40 2 x 3RT2916-1DG00 125V DC CB. STATUS "OFF/ON"	/M7.2	/M7.2	/M14.3	/M14.3	/M14.4	/M14.4	/M14.5	/M14.5	/M14.5	/M14.6

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H09 / S / Z / 10
Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2
Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:
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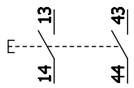
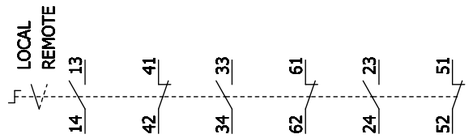


	3SU1000-0AB20-0AA0	/M1.4	/M1.6
+.T	RED		
-S0E	3SU1500-0AA10-0AA0		
	3SU1400-1AA10-1DA0		
	3SU1900-0AN10-0AA0		
	PRINT-3SU-27-12-01-04		
	3SU1000-0AB40-0AA0	/M1.5	
+.T	GREEN		
-S0A	3SU1500-0AA10-0AA0		
	3SU1400-1AA10-1DA0		
	3SU1900-0AN10-0AA0		
	PRINT-3SU-27-12-01-04		

CB ON
12,5x27mm

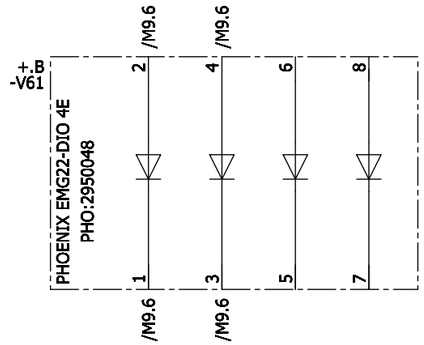
CB OFF
12,5x27mm

	3SU1001-6AA40-0AA0	/M7.3	CB. OFF
+.T	ILLUMINATION green		
-H0A	3SU1401-1BH40-1AA0		
	3SU1900-0AG10-0AA0		
	3SU1500-0AA10-0AA0		
	PRINT-3SU-27-12-01-04		
	3SU1001-6AA20-0AA0	/M7.3	CB. ON
+.T	ILLUMINATION red		
-H0E	3SU1401-1BH20-1AA0		
	3SU1900-0AG10-0AA0		
	3SU1500-0AA10-0AA0		
	PRINT-3SU-27-12-01-04		
	3SU1001-6AA60-0AA0	/M7.4	PROTECTION TRIP
+.T	ILLUMINATION white		
-H30	3SU1401-1BH60-1AA0		
	3SU1900-0AG10-0AA0		
	3SU1500-0AA10-0AA0		
	PRINT-3SU-27-12-01-04		
	3SU1001-6AA30-0AA0	/M7.7	DC. MCB TRIP
+.T	ILLUMINATION yellow		
-H40	3SU1401-1BH30-1AA0		
	3SU1900-0AG10-0AA0		
	3SU1500-0AA10-0AA0		
	PRINT-3SU-27-12-01-04		
	3SU1001-6AA30-0AA0	/M7.8	PT. MCB TRIP
+.T	ILLUMINATION yellow		
-H50	3SU1401-1BH30-1AA0		
	3SU1900-0AG10-0AA0		
	3SU1500-0AA10-0AA0		
	PRINT-3SU-27-12-01-04		
	3SU1001-6AA60-0AA0	/M7.6	UNDER/OVER VOLTAGE
+.T	ILLUMINATION white		
-H60	3SU1401-1BH60-1AA0		
	3SU1900-0AG10-0AA0		
	3SU1500-0AA10-0AA0		
	PRINT-3SU-27-12-01-04		



CONTROL SW.
LOC. REM.

	3SU1002-2BF60-0AA0	/M1.6	/M1.4	/M1.6	/M3.2	/M3.1
+.T	3 x 3SU1400-1AA10-1FA0					
-S20	3SU1900-0AG10-0AA0					
	3SU1500-0AA10-0AA0					
	PRINT-3SU-27-12-01-04					



				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV			=HZ01.1	S	=H09
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder					+H09
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SECONDARY EQUIPMENT					Z10
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A			Sheet 10+ 11 Sh.

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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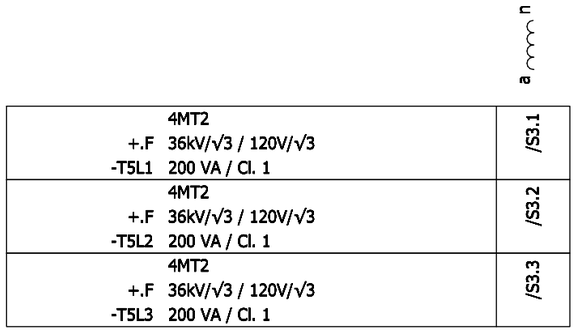

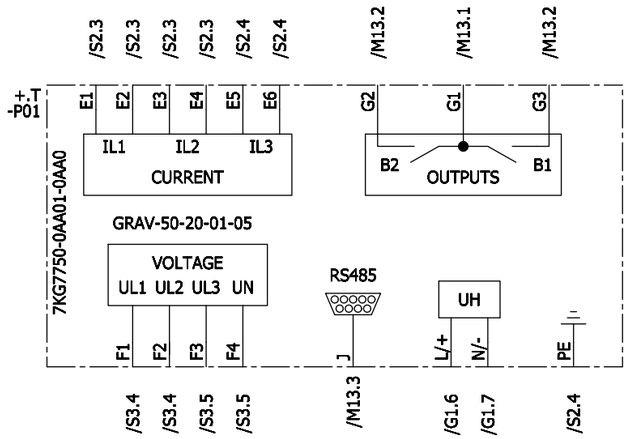

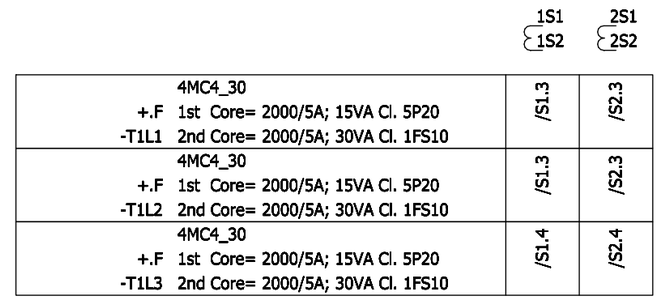

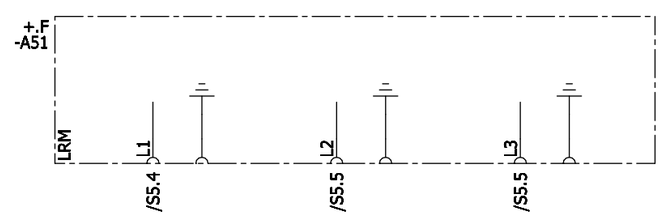

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ01.1	S	=H09
				Drawn	Herrmann	Siemens Limited (Taipei)		Incoming Feeder				+H09
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SECONDARY EQUIPMENT				
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S095-A		

Z11
Sheet 11-
11 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBKLP2-13
Archive: =H09 / V / / / 1

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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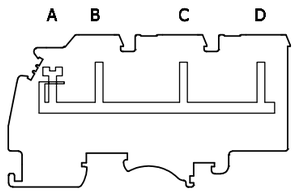
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				

1	2	3	4	5	6	7	8	9	10	11	12	13	14



Cable connection to termination

A B C D

Terminal	Terminal block type	Wire type
11-46	UPCV3K	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 24

Termination A Destination Item designation	Terminal strip Link	Term.-no.	Cross-ref.	Termination B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XR2					
		11	=H00/G2.3	=H08 +.B -XR2 :11 D	-F10 :3	=H10 +.B -XR2 :11 B
		12	=H00/G2.3	=H08 +.B -XR2 :12 D	-F10 :1	=H10 +.B -XR2 :12 B
		13	=H00/G2.3	=H08 +.B -XR2 :13 D	-F20 :3	=H10 +.B -XR2 :13 B
		14	=H00/G2.3	=H08 +.B -XR2 :14 D	-F20 :1	=H10 +.B -XR2 :14 B
		15	=H00/G2.3	=H08 +.B -XR2 :15 D	-XC30 :389 D	=H10 +.B -XR2 :15 B
		16	=H00/G2.3	=H08 +.B -XR2 :16 D	-XC30 :390 D	=H10 +.B -XR2 :16 B
		21	=H00/G2.3	=H08 +.B -XR2 :21 D	-F151 :1	=H10 +.B -XR2 :21 B
		22	=H00/G2.3	=H08 +.B -XR2 :22 D		=H10 +.B -XR2 :22 B
		23	=H00/G2.3	=H08 +.B -XR2 :23 D	-F151 :5	=H10 +.B -XR2 :23 B
		24	=H00/G2.3	=H08 +.B -XR2 :24 D		=H10 +.B -XR2 :24 B
		25	=H00/G2.3	=H08 +.B -XR2 :25 D	-F11 :3	=H10 +.B -XR2 :25 B
		26	=H00/G2.3	=H08 +.B -XR2 :26 D	-F11 :1	=H10 +.B -XR2 :26 B
		31	=H00/G2.3	=H08 +.B -XR2 :31 D	-XC30 :360 D	=H10 +.B -XR2 :31 B
		32	=H00/G2.3	=H08 +.B -XR2 :32 D	-XC30 :367 D	=H10 +.B -XR2 :32 B
		33	=H00/G2.3	=H08 +.B -XR2 :33 D	-XC30 :381 D	=H10 +.B -XR2 :33 B
		34	=H00/G2.3	=H08 +.B -XR2 :34 D	-XC30 :384 D	=H10 +.B -XR2 :34 B
		35	=H00/G2.3	=H08 +.B -XR2 :35 D	-XC30 :387 D	=H10 +.B -XR2 :35 B
		36	=H00/G2.3	=H08 +.B -XR2 :36 D	-XC30 :388 D	=H10 +.B -XR2 :36 B
		41	=H00/G8.3	=H08 +.B -XR2 :41 D		=H10 +.B -XR1 :41 B
		42	=H00/G8.3	=H08 +.B -XR2 :42 D		=H10 +.B -XR1 :42 B
		43	=H00/G8.3	=H08 +.B -XR2 :43 D		=H12 +.B -XR1 :43 B
		44	=H00/G8.3	=H08 +.B -XR2 :45 D	-XQ1 :131 D	
		45	=H00/G8.3		-XQ1 :132 D	=H10 +.B -XR1 :44 B
		46	=H00/G8.3	=H08 +.B -XR2 :46 D		=H10 +.B -XR1 :46 B

Screen bus	A Cable clamp	Cover
N-bus	B Screen bus	Insulation plate
PE-PEN-bus	C Screwed cable gland	Higher level insulation plate
Used cores total	D Plug housing	Test socket
Continued on sheet	E Insulated	Disconnector

Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	
				Drawn	Herrmann	
				Appr.	Jacobi	
				Norm		

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XR2
Connection table

=HZ01.1 V =H09 +.B /1

998574-000501 (3) W92210-L1965-S098-A

Sheet 1+ 18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-11_I
Archive: =H09 / V / / / 2

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Hermann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				

1 2 3 2 1

1) Test socket
2) Jumper
3) Disconnecting link

Cable connection to termination A B

Terminal	Terminal block type	Wire type
111-262	URTK/SP	
110PE,210PE	URTKD/SP	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 20

1	2	3	4	5	6	7	8	9	10	11	12	13	14

Termination A Destination Item designation			Terminal strip -XT1 Link				Term.-no.	Cross-ref.	Termination B Destination Item designation		
	-XPE	:2 B					110PE	/S1.4			
+.F	-T1L1	:1S2					111	/S1.3	+.T	-F31-1	:A7
+.F	-T1L1	:1S1					112	/S1.3	+.T	-F31-1	:A1
+.F	-T1L2	:1S2					121	/S1.3			
+.F	-T1L2	:1S1					122	/S1.3	+.T	-F31-1	:A3
+.F	-T1L3	:1S2					131	/S1.4			
+.F	-T1L3	:1S1					132	/S1.4	+.T	-F31-1	:A5
	-XPE	:3 B	XX				210PE	/S2.5			
+.F	-T1L1	:2S2					211	/S2.3		-XT1	:241 A
+.F	-T1L1	:2S1					212	/S2.3	+.T	-P01	:E1
+.F	-T1L2	:2S2					221	/S2.3			
+.F	-T1L2	:2S1					222	/S2.3	+.T	-P01	:E3
+.F	-T1L3	:2S2					231	/S2.4			
+.F	-T1L3	:2S1					232	/S2.4	+.T	-P01	:E5
	-XT1	:211 B	XX				241	/S2.3			
+.T	-P01	:E2					242	/S2.3			
							251	/S2.3			
+.T	-P01	:E4					252	/S2.3			
							261	/S2.4			
+.T	-P01	:E6	XX				262	/S2.4			

Screen bus	A Cable clamp	Cover
N-bus	B Screen bus	Insulation plate
PE-PEN-bus	C Screwed cable gland	Higher level insulation plate
Used cores total	D Plug housing	Test socket
Continued on sheet	E Insulated	Disconnector

Revision	Modification	Date	Name			
				Date	07.04.2021	Vena new energy company / TW
				Drawn	Herrmann	Siemens Limited (Taipei)
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION
				Norm		Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XT1
Connection table

=HZ01.1 V =H09 +.B /2

998574-000501 (3) W92210-L1965-S098-A

Sheet 2+ 18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H09 / V / / / 3

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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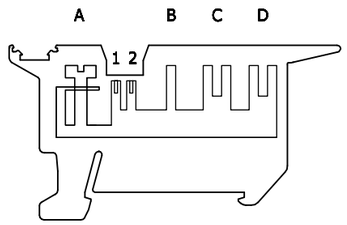
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
301-583	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 184

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination — Item designation

Terminal strip -XC30

Termination A Destination (Item designation)	Link	Term.-no.	Cross-ref.	Slot B Destination (Item designation)	Termination C Destination (Item designation)	Termination D Destination (Item designation)
-AQ1-X1.2 :9	1 2 JUMPER	301	/G1.5		+.T -F31-2 :L1	-F20 :4
		302	/G1.5			+.T -S20 :41
		303	/G1.5		+.T -P01 :L/+	+.T -F31-1 :D2
		304	/G1.5			+.T -F31-1 :B7
=XX +XX -XX :XX		305	/G1.5		+.T -S20 :23	
		306	/G1.5		-XQ1 :133 D	-XQ0 :51 A
=PAS +Panel -XX :XX		307	/G1.5		-K50 :43	-XQ0 :61 D
		308	/G1.5		+.T -F31-2 :L3	
		309	/G1.5		+.T -K30 :15	
		310	/G1.5		-F10 :11	+.T -K32 :15
		311	/G1.5		-F10 :21	-F50 :31
		312	/M8.4		-XQ1 :890 C	+.T -F31-2 :L7
		313	/M5.5		-XC30 :582 D	-XQ1 :533 C
=XX +XX -XX :XX		314	/M5.5		-F151 :12	
		315	/M7.5		-K303 :13	+.T -K33 :15
		316	/M9.3		+.T -K32 :11	
		317	/M9.4		+.T -K33 :11	
		318	/M9.6		-K302 :13	
		319	/M7.6		+.T -F31-2 :L8	+.T -K34 :15
-AQ1-X1.2 :8		321	/G1.5		+.T -F31-2 :L2	-F20 :2
		322	/G1.5			+.T -S0E :44
		323	/G1.5		+.T -P01 :N/-	-K2 :34
		324	/G1.5		-XQ0 :14 D	-XC30 :353 Y
		325	/G1.5		+.T -F31-2 :L11	-AQ1-X1.4 :15
+.T -F31-1 :D14		326	/G1.5		+.T -K30 :D2	+.T -F31-3 :N11
		327	/G1.5		-K1 :A2	+.T -K33 :D2
+.T -K32 :D2		328	/G1.5			-K1A :A2
		329	/G1.5		-K40 :A2	
		330	/G1.5		+.T -H0A :X2	-K40 :E2
		331	/M7.3		+.T -H30 :X2	+.T -H0E :X2
		332	/M7.6		+.T -H50 :X2	+.T -H60 :X2
		333	/M8.2		-K51 :A2	-K50 :A2
		334	/M8.4			-K52 :A2
		335	/M7.7		-K53 :A2	+.T -H40 :X2
		336	/M8.7		-XQ0 :12 D	+.T -K34 :D2
		337	/M9.4		-K302 :A2	-K302 :44
		339	/M1.8		+.T -F31-1 :D5	
		340	/M1.4		+.T -S0E :13	+.T -S20 :42
		341	/M1.5		+.T -S0A :13	
		342	/M1.6		+.T -S20 :14	-K2 :13

Screen bus	A Cable clamp — Cover
N-bus	B Screen bus — Insulation plate
PE-PEN-bus	C Screwed cable gland — Higher level insulation plate
Used cores total	D Plug housing — Test socket
Continued on sheet	E Insulated — Disconnector

Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	
				Drawn	Herrmann	
				Appr.	Jacobi	
				Norm		

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XC30
Connection table

=HZ01.1 V =H09 +.B /3

998574-000501 (3) W92210-L1965-S098-A

Sheet 3+ 18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H09 / V / / / 4

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
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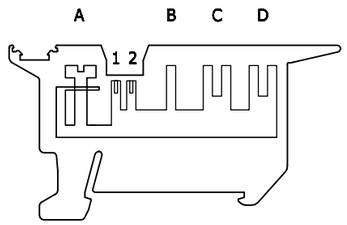
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
301-583	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 184

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation				Terminal strip Link	1	2		Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation			Termination D Destination Item designation		
				-XC30												
					1	2	JUMPER									
					■	□	●	343	/M1.6		+.T	-F31-2	:L12		-K1	:13
					■	□	●	344	/M1.4			-XQ1	:522 D	+.T	-S0E	:14
					■	□	●	345	/M1.6		+.T	-F31-1	:D1		-K2	:14
					■	□	●	347	/M1.6		+.T	-S0A	:14		-K1	:14
	+.T	-F31-1	:D3		■	□	●	348	/M1.8		+.T	-F31-1	:B8		-XQ0	:20 D
					■	□	●	349	/M2.3		+.T	-K32	:10	+.T	-K30	:10
	+.T	-F31-1	:D6		■	□	●	350	/M2.6		+.T	-K33	:10	+.T	-K34	:10
=XX	+XX	-XX	:XX		■	□	●	351	/M1.1					+.T	-K30	:2
=XX	+XX	-XX	:XX		■	□	●	352	/M1.1						-XQ1	:814 C
					□	□	●	353	/M1.7		+.T	-S20	:34		-K2	:33
					□	□	●	355	/M1.6		+.T	-S20	:33		-XQ0	:18 D
					□	□	●	356	/M3.3		+.T	-S20	:24		-K1A	:13
					□	□	●	357	/M6.1		+.T	-F31-2	:L4	+.T	-K30	:D1
=XX	+XX	-XX	:XX		□	□	●	358	/M6.2					+.T	-K33	:D1
=XX	+XX	-XX	:XX		□	□	●	359	/M6.3		+.T	-F31-1	:B10	+.T	-K32	:D1
					■	□	●	360	/M10.2		+.T	-K30	:19		-XR2	:31 C
					■	□	●	361	/M10.3					+.T	-K32	:19
					■	□	●	362	/M10.3					+.T	-K33	:19
					■	□	●	363	/M10.4					+.T	-K34	:19
					□	■	●	364	/M10.2					+.T	-K30	:20
					□	■	●	365	/M10.3		+.T	-K32	:20			
					□	■	●	366	/M10.3		+.T	-K33	:20			
					□	■	●	367	/M10.4		+.T	-K34	:20		-XR2	:32 C
					□	□	●	368	/M8.2			-K50	:A1		-F10	:22
					□	□	●	369	/M8.3			-K51	:A1		-F50	:42
					□	□	●	370	/M8.4		+.T	-F31-2	:L10		-K52	:A1
		-K1A	:14		□	□	●	371	/M3.2		+.T	-F31-3	:M2		-AQ1-X1.3	:11
		-K1E	:14		□	□	●	372	/M3.3		+.T	-F31-3	:M3		-AQ1-X1.3	:10
		-K5A	:14		□	□	●	373	/M3.4		+.T	-F31-3	:M4		-AQ1-X1.3	:13
		-K5E	:14		□	□	●	374	/M3.4		+.T	-F31-3	:M5		-AQ1-X1.3	:12
					□	□	●	375	/M5.4			-F50	:11	+.T	-F31-1	:D10
					□	□	●	376	/M5.2			-K50	:44	+.T	-F31-1	:D7
					□	□	●	377	/M5.2			-K51	:44	+.T	-F31-1	:D8
					□	□	●	378	/M5.3			-K53	:44	+.T	-F31-1	:D9
					□	□	●	379	/M5.6			-F151	:11	+.T	-F31-1	:D12
					□	□	●	380	/M5.6					+.T	-F31-1	:D13
					■	□	●	381	/M10.5			-K50	:13		-XR2	:33 C
					■	□	●	382	/M10.5			-F20	:11		-K51	:13
					■	□	●	384	/M10.5			-K50	:14		-XR2	:34 C
					■	□	●	385	/M10.5			-F20	:12		-K51	:14

Screen bus	A Cable clamp	Cover
N-bus	B Screen bus	Insulation plate
PE-PEN-bus	C Screwed cable gland	Higher level insulation plate
Used cores total	D Plug housing	Test socket
Continued on sheet	E Insulated	Disconnector

Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW
				Drawn	Herrmann	Siemens Limited (Taipei)
				Appr.	Jacobi	33KV MAIN SUBSTATION
				Norm		Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XC30
Connection table

=HZ01.1 V =H09 +.B /4

998574-000501 (3) W92210-L1965-S098-A

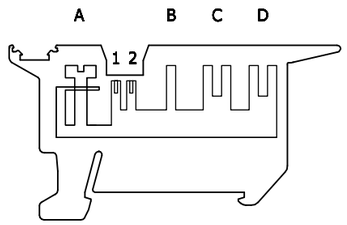
Sheet 4+ 18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H09 / V / / / 5

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
301-583	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 184

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip Link	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XC30					
	1 2 JUMPER					
		387	/M10.7		-K52 :13	-XR2 :35 C
		388	/M10.7		-K52 :14	-XR2 :36 C
		389	/M11.2		-K53 :33	-XR2 :15 C
		390	/M11.2		-K53 :34	-XR2 :16 C
		391	/M12.3		+.T -K32 :13	-XQ0 :82 C
		392	/M12.4		+.T -K33 :13	
		393	/M12.4		+.T -K34 :13	
		394	/M12.2			+.T -K30 :14
		395	/M12.3		+.T -K32 :14	
		396	/M12.4		+.T -K33 :14	
		397	/M2.8		+.T -K34 :14	+.T -F31-3 :N3
		399	/M5.7			
		400	/M16.2			+.T -K30 :3
		401	/M16.2			+.T -K30 :5
		402	/M16.2			+.T -K30 :21
		403	/M16.2			+.T -K30 :23
		404	/M16.3			+.T -K32 :3
		405	/M16.4			+.T -K32 :5
		406	/M16.4			+.T -K32 :25
		407	/M16.4			+.T -K32 :23
		408	/M16.5			+.T -K33 :3
		409	/M16.5			+.T -K33 :5
		410	/M16.6			+.T -K33 :21
		411	/M16.6			+.T -K33 :23
		412	/M16.7			+.T -K34 :3
		413	/M16.7			+.T -K34 :5
		414	/M16.7			+.T -K34 :21
		415	/M16.7			+.T -K34 :23
		420	/M16.2			+.T -K30 :4
		421	/M16.2			+.T -K30 :6
		422	/M16.2			+.T -K30 :22
		423	/M16.2			+.T -K30 :24
		424	/M16.3			+.T -K32 :4
		425	/M16.4			+.T -K32 :6
		426	/M16.4			+.T -K32 :26
		427	/M16.4			+.T -K32 :24
		428	/M16.5			+.T -K33 :4
		429	/M16.5			+.T -K33 :6
		430	/M16.6			+.T -K33 :22
		431	/M16.6			+.T -K33 :24

Screen bus
N-bus
PE-PEN-bus
Used cores total
Continued on sheet

A Cable clamp — Cover
B Screen bus — Insulation plate
C Screwed cable gland — Higher level insulation plate
D Plug housing — Test socket
E Insulated — Disconnector

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Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	
				Drawn	Herrmann	
				Appr.	Jacobi	
				Norm		

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XC30
Connection table

=HZ01.1 V =H09
+.B /5

998574-000501 (3) W92210-L1965-S098-A

Sheet 5+
18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H09 / V / / / 6

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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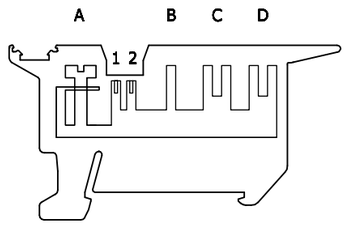
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
301-583	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 184

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation				Terminal strip Link	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
				-XC30					
				1 2 JUMPER					
					432	/M16.7			+.T -K34 :4
					433	/M16.7			+.T -K34 :6
					434	/M16.7			+.T -K34 :22
					435	/M16.7			+.T -K34 :24
					452	/M14.3			-K40 :13
					453	/M14.3			-K40 :21
					454	/M14.4			-K40 :31
					455	/M14.4			-K40 :43
					456	/M14.5			-K40 :53
					457	/M14.5			-K40 :61
					458	/M14.5			-K40 :71
					459	/M14.6			-K40 :83
					460	/M14.3			-K40 :14
					461	/M14.3			-K40 :22
					462	/M14.4			-K40 :32
					463	/M14.4			-K40 :44
					464	/M14.5			-K40 :54
					465	/M14.5			-K40 :62
					466	/M14.5			-K40 :72
					467	/M14.6			-K40 :84
=PAS	+Panel	-XX	:XX		468	/M6.5			-K1 :A1
=PAS	+Panel	-XX	:XX		469	/M6.6			-K2 :A1
					470	/M13.1			+.T -P01 :G1
					471	/M13.2			+.T -P01 :G2
					472	/M13.2			+.T -P01 :G3
					473	/M13.3			
					474	/M13.4			+.T -F31-3 :M7
					475	/M13.4			+.T -F31-3 :M8
					476	/M13.4			+.T -F31-3 :M9
					477	/M13.5			+.T -F31-3 :M10
					478	/M13.5			+.T -F31-1 :B12
					479	/M13.5			+.T -F31-1 :B13
					480	/M13.5			+.T -F31-1 :B14
					481	/M13.6			-K303 :34
					482	/M13.6			-K303 :33
					483	/M13.7			-K50 :34
					484	/M13.7			-K50 :33
					485	/M13.7			-K51 :34
					486	/M13.7			-K51 :33
					487	/M13.7			-K52 :34

Screen bus	A Cable clamp — Cover
N-bus	B Screen bus — Insulation plate
PE-PEN-bus	C Screwed cable gland — Higher level insulation plate
Used cores total	D Plug housing — Test socket
Continued on sheet	E Insulated — Disconnector

Revision	Modification	Date	Name			
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				Drawn	Herrmann	
				Appr.	Jacobi	
				Norm		

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XC30
Connection table

=HZ01.1 V =H09 +.B /6

998574-000501 (3) W92210-L1965-S098-A

Sheet 6+ 18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H09 / V / / / 7

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Hermann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
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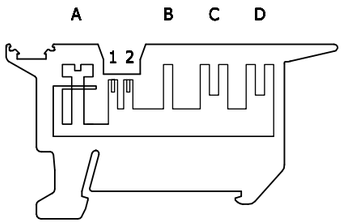

1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
301-583	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 184

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation				Terminal strip Link	1	2	JUMPER	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation			Termination D Destination Item designation		
				-XC30												
								488	/M13.7					-K52		:33
								489	/M13.8					-K53		:14
								490	/M13.8					-K53		:13
=PAS	+Panel	-XX	:XX					491	/M6.6					-K1A		:A1
=PAS	+Panel	-XX	:XX					492	/M6.7					-K1E		:A1
=PAS	+Panel	-XX	:XX					493	/M6.8					-K5A		:A1
=PAS	+Panel	-XX	:XX					494	/M6.8					-K5E		:A1
=XX	+XX	-XX	:XX					495	/M6.4					+.T -K32		:21
=XX	+XX	-XX	:XX					496	/M6.4					+.T -K32		:22
					■			500	/M7.4		+.T -H30		:X1	+.T -K30		:16
					■			502	/M7.5					+.T -K32		:16
					■			504	/M7.5					+.T -K33		:16
					■			505	/M7.6		+.T -K34		:16			
								506	/M7.6		+.T -F31-2		:L5	+.T -H60		:X1
								507	/M7.7		-F10		:12	+.T -H40		:X1
								508	/M7.8		-F50		:32	+.T -H50		:X1
					■			510	/M9.4					+.T -K32		:12
					■			512	/M9.4		-K302		:A1	+.T -K33		:12
=XX	+XX	-XX	:XX					520	/M9.6		-K302		:21	-V61		:1
=XX	+XX	-XX	:XX					521	/M9.6		-V61		:4	-K303		:A2
								560	/M12.8					-XQ0		:33 C
								561	/M12.8					-XQ0		:34 C
=H05	+.B	-XC30	:560 A					582	=H00/G13.4		-F50		:12	-XC30		:313 C
=H05	+.B	-XC30	:561 A					583	=H00/G13.4					+.T -F31-1		:D11

Screen bus	A Cable clamp	Cover
N-bus	B Screen bus	Insulation plate
PE-PEN-bus	C Screwed cable gland	Higher level insulation plate
Used cores total	D Plug housing	Test socket
Continued on sheet	E Insulated	Disconnector

Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW
				Drawn	Herrmann	Siemens Limited (Taipei)
				Appr.	Jacobi	33KV MAIN SUBSTATION
				Norm		Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XC30
Connection table

=HZ01.1 V =H09
+.B /7
998574-000501 (3) W92210-L1965-S098-A
Sheet 7+ 18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H09 / V / / / 8

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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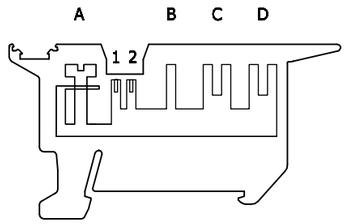
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
11-124	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 60

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip Link	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XQ0					
	1 2 JUMPER					
		11	/M8.7	+.L -Q0-X09 :1		-XQ1 :534 D
		12	/M8.7	+.L -Q0-X09 :0		-XC30 :336 C
		13	/M2.2	+.L -Q0-X10 :3		-XQ0 :21 D
		14	/M2.2	+.L -Q0-X10 :2		-XC30 :324 C
		15	/Z1.4	+.L -Q0-X10 :1		
		16	/Z1.4	+.L -Q0-X10 :0		
		17	/M1.5	+.L -Q0-X11 :9		-XQ1 :531 D
		18	/M1.5	+.L -Q0-X11 :8	+.T -S0E :43	-XC30 :355 D
		19	/Z1.2	+.L -Q0-X11 :7		
		20	/M2.2	+.L -Q0-X11 :6	+.T -F31-3 :N2	-XC30 :348 D
		21	/M2.2	+.L -Q0-X11 :5		-XQ0 :13 D
		22	/M2.3	+.L -Q0-X11 :4		-XQ0 :93 C
		23	/M4.8	+.L -Q0-X11 :3	-XQ1 :811 D	
		24	/M4.8	+.L -Q0-X11 :2		+.T -F31-3 :N15
		25	/Z1.5	+.L -Q0-X11 :1		
		26	/Z1.5	+.L -Q0-X11 :0		
		27	/G1.2	+.L -Q0-X12 :9		-F10 :4
		28	/G1.2	+.L -Q0-X12 :8		-F10 :2
		29	/M15.6	+.L -Q0-X12 :7		
		30	/M15.6	+.L -Q0-X12 :6		
		31	/M3.8	+.L -Q0-X12 :5		-XQ1 :818 D
		32	/M3.8	+.L -Q0-X12 :4		-AQ1-X1.4 :14
		33	/M12.8	+.L -Q0-X12 :3	-XC30 :560 D	
		34	/M12.8	+.L -Q0-X12 :2	-XC30 :561 D	
		41	/M7.3	+.L -Q0-X12 :1		-XQ0 :61 C
		42	/M7.3	+.L -Q0-X12 :0		+.T -H0A :X1
		43	/M7.3	+.L -Q0-X13 :9		
		44	/M7.3	+.L -Q0-X13 :8		+.T -H0E :X1
		45	/Z1.3	+.L -Q0-X13 :7		
		46	/Z1.4	+.L -Q0-X13 :6		
-XC30 :306 D		51	/M4.4	+.L -Q0-X13 :5	+.T -K34 :17	-XQ1 :111 C
		52	/M4.4	+.L -Q0-X13 :4		+.T -F31-3 :N7
		54	/M4.5	+.L -Q0-X13 :3		+.T -F31-3 :N8
		61	/M7.2	+.L -Q0-X13 :2	-XQ0 :41 D	-XC30 :307 D
		62	/M7.2	+.L -Q0-X13 :1		-K40 :E1
		64	/M7.2	+.L -Q0-X13 :0		-K40 :A1
		71	/M12.1	+.L -Q0-X14 :9		
		72	/M12.1	+.L -Q0-X14 :8		
		73	/M12.2	+.L -Q0-X14 :7		
		74	/M12.2	+.L -Q0-X14 :6		

Screen bus
N-bus
PE-PEN-bus
Used cores total
Continued on sheet

A Cable clamp — Cover
B Screen bus — Insulation plate
C Screwed cable gland — Higher level insulation plate
D Plug housing — Test socket
E Insulated — Disconnector

Revision	Modification	Date	Name				
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW	
				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XQ0
Connection table

=HZ01.1 V =H09
+.B /8
998574-000501 (3) W92210-L1965-S098-A
Sheet 8+
18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H09 / V / / / 9

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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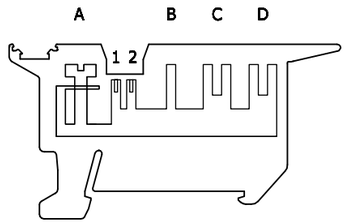
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
11-124	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 60

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip Link	1	2	JUMPER	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XQ0								
					81	/M12.2	+.L -Q0-X14 :5		
					82	/M12.2	+.L -Q0-X14 :4	-XC30 :391 D	+.T -K30 :13
					83	/M9.2	+.L -Q0-X14 :3		-K303 :14
					84	/M9.2	+.L -Q0-X14 :2		+.T -K34 :D1
					91	/Z1.7	+.L -Q0-X14 :1		
					92	/M2.3	+.L -Q0-X14 :0		+.T -F31-3 :N1
					93	/M2.3	+.L -Q0-X15 :9	-XQ0 :22 D	
					94	/M15.3	+.L -Q0-X15 :8		
					101	/M15.4	+.L -Q0-X15 :7		
					102	/M15.4	+.L -Q0-X15 :6		
					103	/M15.4	+.L -Q0-X15 :5		
					104	/M15.4	+.L -Q0-X15 :4		
					111	/M15.4	+.L -Q0-X15 :3		
					112	/M15.4	+.L -Q0-X15 :2		
					113	/M15.5	+.L -Q0-X15 :1		
					114	/M15.5	+.L -Q0-X15 :0		
					121	/M15.5	+.L -Q0-X16 :1		
					122	/M15.5	+.L -Q0-X16 :0		
					123	/M15.5	+.L -Q0-X17 :1		
					124	/M15.5	+.L -Q0-X17 :0		

Screen bus	A Cable clamp — Cover
N-bus	B Screen bus — Insulation plate
PE-PEN-bus	C Screwed cable gland — Higher level insulation plate
Used cores total	D Plug housing — Test socket
Continued on sheet	E Insulated — Disconnector

Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	
				Drawn	Herrmann	
				Appr.	Jacobi	
				Norm		

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

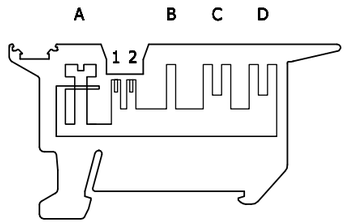
Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XQ0
Connection table

=HZ01.1 V =H09
+.B /9
998574-000501 (3) W92210-L1965-S098-A
Sheet 9+ 18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H09 / V / / / 10

	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
101-893	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 66

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip Link 1	2	JUMPER	Term.-no.	Cross-ref. (-XQ1)	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
				101	/G1.3	+.D -Q1-X1 :1		-AQ1-X1.1 :4
				102	/G1.3	+.D -Q1-X1 :0		-AQ1-X1.1 :3
				111	/M4.5	+.D -Q1-X11 :9	-XQ0 :51 D	-XQ1 :511 D
				112	/M4.5	+.D -Q1-X11 :8		+.T -F31-3 :N9
				114	/M4.6	+.D -Q1-X11 :7		+.T -F31-3 :N10
				121	/M1.2	+.D -Q1-X11 :6		+.T -K32 :1
				122	/M1.2	+.D -Q1-X11 :5	-XQ1 :124 D	-XQ1 :521 D
				124	/M1.3	+.D -Q1-X11 :4		-XQ1 :122 C
				131	/M11.6	+.D -Q1-X11 :3		-XR2 :44 C
				132	/M11.6	+.D -Q1-X11 :2		-XR2 :45 C
				133	/M3.5	+.D -Q1-X11 :1	-XQ1 :541 D	-XC30 :306 C
				134	/M3.5	+.D -Q1-X11 :0		-AQ1-X1.2 :6
				141	/M3.6	+.D -Q1-X12 :3		-XQ1 :542 D
				142	/M3.6	+.D -Q1-X12 :2		-AQ1-X1.2 :5
				143	/M17.2	+.D -Q1-X12 :1		
				144	/M17.2	+.D -Q1-X12 :0		
				151	/M12.5	+.D -Q1-X13 :3		
				152	/M12.5	+.D -Q1-X13 :2		
				153	/M12.6	+.D -Q1-X13 :1		
				154	/M12.6	+.D -Q1-X13 :0		
				161	/M17.2	+.D -Q1-X14 :3		
				162	/M17.2	+.D -Q1-X14 :2		
				163	/M17.2	+.D -Q1-X14 :1		
				164	/M17.3	+.D -Q1-X14 :0		
				171	/M17.3	+.D -Q1-X15 :3		
				172	/M17.3	+.D -Q1-X15 :2		
				173	/M17.3	+.D -Q1-X15 :1		
				174	/M17.3	+.D -Q1-X15 :0		
				511	/M4.7	+.D -Q1-X51 :9	-XQ1 :811 C	-XQ1 :111 D
				512	/M4.7	+.D -Q1-X51 :8		+.T -F31-3 :N12
				514	/M4.7	+.D -Q1-X51 :7		+.T -F31-3 :N13
				521	/M1.2	+.D -Q1-X51 :6		-XQ1 :122 D
				522	/M1.2	+.D -Q1-X51 :5	-XQ1 :524 D	-XC30 :344 C
				524	/M1.3	+.D -Q1-X51 :4		-XQ1 :522 C
				531	/M1.4	+.D -Q1-X51 :3		-XQ0 :17 D
				532	/M1.4	+.D -Q1-X51 :2		-AQ1-X1.4 :17
				533	/M8.7	+.D -Q1-X51 :1	-XC30 :313 D	+.D -Q1-X51 :1
				534	/M8.7	+.D -Q1-X51 :0		-XQ0 :11 D
				541	/M3.6	+.D -Q1-X52 :3		-XQ1 :133 C
				542	/M3.6	+.D -Q1-X52 :2		-XQ1 :141 D

Screen bus
N-bus
PE-PEN-bus
Used cores total
Continued on sheet

A Cable clamp — Cover
B Screen bus — Insulation plate
C Screwed cable gland — Higher level insulation plate
D Plug housing — Test socket
E Insulated — Disconnector

Revision	Modification	Date	Name				
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW	
				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XQ1
Connection table

=HZ01.1 V =H09 +.B /10

998574-000501 (3) W92210-L1965-S098-A

Sheet 10+ 18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H09 / V / / / 11

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Hermann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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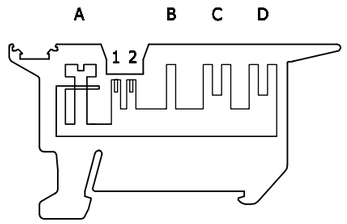
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
101-893	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 66

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip -XQ1 Link 1	2	JUMPER	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	■	□	●	543	/M3.7	+.D -Q1-X52 :1		-XQ1 :817 D
	□	□	●	544	/M3.7	+.D -Q1-X52 :0		-AQ1-X1.2 :7
	□	□	●	551	/M12.6	+.D -Q1-X53 :3		
	□	□	●	552	/M12.6	+.D -Q1-X53 :2		
	□	□	●	553	/M12.7	+.D -Q1-X53 :1		
	□	□	●	554	/M12.7	+.D -Q1-X53 :0		
	□	□	●	561	/M17.6	+.D -Q1-X54 :3		
	□	□	●	562	/M17.6	+.D -Q1-X54 :2		
	□	□	●	563	/M17.6	+.D -Q1-X54 :1		
	□	□	●	564	/M17.6	+.D -Q1-X54 :0		
	□	□	●	571	/M17.6	+.D -Q1-X55 :3		
	□	□	●	572	/M17.6	+.D -Q1-X55 :2		
	□	□	●	573	/M17.7	+.D -Q1-X55 :1		
	□	□	●	574	/M17.7	+.D -Q1-X55 :0		
	□	□	●	811	/M4.8	+.D -Q1-X81 :3	-XQ1 :511 C	-XQ0 :23 C
	□	□	●	812	/M4.8	+.D -Q1-X81 :2		+.T -F31-3 :N14
	□	□	●	813	/M1.2	+.D -Q1-X81 :1		-AQ1-X1.4 :16
	□	□	●	814	/M1.2	+.D -Q1-X81 :0	-XC30 :352 D	
	□	□	●	815	/Z2.6	+.D -Q1-X82 :3		
	□	□	●	816	/Z2.6	+.D -Q1-X82 :2		
	□	□	●	817	/M3.8	+.D -Q1-X82 :1		-XQ1 :543 D
	□	□	●	818	/M3.8	+.D -Q1-X82 :0		-XQ0 :31 D
	□	□	●	890	/M8.5	+.D -B0-X88 :3	-XC30 :312 C	
	□	□	●	891	/M8.5	+.D -B0-X88 :2	-XQ1 :892 C	-K53 :A1
	□	□	●	892	/M8.5	+.D -B0-X88 :1	-XQ1 :891 C	
	□	□	●	893	/Z4.3	+.D -B0-X88 :0		

Screen bus	A Cable clamp	Cover
N-bus	B Screen bus	Insulation plate
PE-PEN-bus	C Screwed cable gland	Higher level insulation plate
Used cores total	D Plug housing	Test socket
Continued on sheet	E Insulated	Disconnector

Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW
				Drawn	Herrmann	Siemens Limited (Taipei)
				Appr.	Jacobi	33KV MAIN SUBSTATION
				Norm		Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XQ1
Connection table

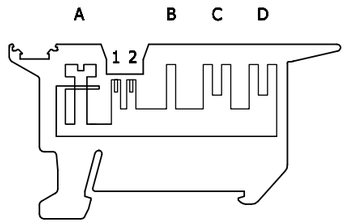
=HZ01.1 V =H09 +.B /11

998574-000501 (3) W92210-L1965-S098-A

Sheet 11+ 18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H09 / V / / / 12

	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
111-818	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 56

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Hermann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip Link	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XQ61					
	1 2 JUMPER					
		111	/M5.2	+.F -Q61-X11 :0	-XC30 :307 C	-XQ61 :511 D
		112	/M5.2	+.F -Q61-X11 :1		+.T -F31-1 :D4
		114	/M5.2	+.F -Q61-X11 :2		+.T -F31-1 :D7
		121	/M18.6	+.F -Q61-X11 :3		
		122	/M18.6	+.F -Q61-X11 :4		
		124	/M18.6	+.F -Q61-X11 :5		
		131	/M18.2	+.F -Q61-X11 :6		
		132	/M18.2	+.F -Q61-X11 :7		
		133	/M18.2	+.F -Q61-X11 :8		
		134	/M18.2	+.F -Q61-X11 :9		
		141	/M18.3	+.F -Q61-X12 :0		
		142	/M18.3	+.F -Q61-X12 :1		
		143	/M18.3	+.F -Q61-X12 :2		
		144	/M18.3	+.F -Q61-X12 :3		
		151	/M18.4	+.F -Q61-X13 :0		
		152	/M18.4	+.F -Q61-X13 :1		
		153	/M18.4	+.F -Q61-X13 :2		
		154	/M18.4	+.F -Q61-X13 :3		
		161	/M18.4	+.F -Q61-X14 :0		
		162	/M18.4	+.F -Q61-X14 :1		
		163	/M18.5	+.F -Q61-X14 :2		
		164	/M18.5	+.F -Q61-X14 :3		
		171	/M18.5	+.F -Q61-X15 :0		
		172	/M18.5	+.F -Q61-X15 :1		
		173	/M18.6	+.F -Q61-X15 :2		
		174	/M18.6	+.F -Q61-X15 :3		
		511	/M5.3	+.F -Q61-X51 :0	-XQ61 :815 D	-XQ61 :111 D
		512	/M5.3	+.F -Q61-X51 :1		+.T -F31-1 :D8
		514	/M5.4	+.F -Q61-X51 :2		+.T -F31-1 :D9
		521	/M17.6	+.F -Q61-X51 :3		
		522	/M17.6	+.F -Q61-X51 :4		
		524	/M17.6	+.F -Q61-X51 :5		
		531	/M17.2	+.F -Q61-X51 :6		
		532	/M17.2	+.F -Q61-X51 :7		
		533	/M17.2	+.F -Q61-X51 :8		
		534	/M17.2	+.F -Q61-X51 :9		
		541	/M17.3	+.F -Q61-X52 :0		
		542	/M17.3	+.F -Q61-X52 :1		
		543	/M17.3	+.F -Q61-X52 :2		
		544	/M17.3	+.F -Q61-X52 :3		

Screen bus
N-bus
PE-PEN-bus
Used cores total
Continued on sheet

A Cable clamp — Cover
B Screen bus — Insulation plate
C Screwed cable gland — Higher level insulation plate
D Plug housing — Test socket
E Insulated — Disconnector

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Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW
				Drawn	Herrmann	Siemens Limited (Taipei)
				Appr.	Jacobi	33KV MAIN SUBSTATION
				Norm		Orig./Prep.for/Prep.by

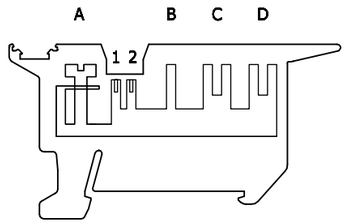
Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XQ61
Connection table

=HZ01.1 V =H09 +.B /12
998574-000501 (3) W92210-L1965-S098-A
Sheet 12+ 18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H09 / V / / / 13

	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
111-818	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 56

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip Link	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XQ61					
	1 2 JUMPER					
		551	/M17.4	+.F -Q61-X53 :0		
		552	/M17.4	+.F -Q61-X53 :1		
		553	/M17.4	+.F -Q61-X53 :2		
		554	/M17.4	+.F -Q61-X53 :3		
		561	/M17.4	+.F -Q61-X54 :0		
		562	/M17.4	+.F -Q61-X54 :1		
		563	/M17.5	+.F -Q61-X54 :2		
		564	/M17.5	+.F -Q61-X54 :3		
		571	/M17.5	+.F -Q61-X55 :0		
		572	/M17.5	+.F -Q61-X55 :1		
		573	/M17.6	+.F -Q61-X55 :2		
		574	/M17.6	+.F -Q61-X55 :3		
		815	/M5.4	+.F -Q61-X82 :0		-XQ61 :511 C
		816	/M5.4	+.F -Q61-X82 :1		+.T -F31-1 :D10
		817	/M18.7	+.F -Q61-X82 :2		
		818	/M18.7	+.F -Q61-X82 :3		

Screen bus	A Cable clamp	Cover
N-bus	B Screen bus	Insulation plate
PE-PEN-bus	C Screwed cable gland	Higher level insulation plate
Used cores total	D Plug housing	Test socket
Continued on sheet	E Insulated	Disconnector

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW
				Drawn	Herrmann	Siemens Limited (Taipei)
				Appr.	Jacobi	33KV MAIN SUBSTATION
				Norm		Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XQ61
Connection table

=HZ01.1 V =H09 +.B /13

998574-000501 (3) W92210-L1965-S098-A

Sheet 13+ 18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBKLP2-11
Archive: =H09 / V / / / 14

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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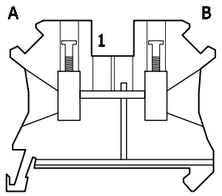
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15



1 = Slot 1

Cable connection to termination
A
B

Terminal	Terminal block type	Wire type
2-8	UT4-PE	
1	UT6-PE	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 8

Termination A Destination Item designation		Terminal strip Link		Term.-no.	Cross-ref.	Termination B Destination Item designation	
		-XPE					
		1 2	JUMPER				
=H09	+.BPE			1	/S5.8		
=H09	+.BPE			2	/S1.4	-XT1	:110PE A
				3	/S2.5	-XT1	:210PE A
				4	/S2.4	+.T -P01	:PE
				5	/S3.1	-XT5A	:503PE A
				6	/S5.8		
				7	/S5.8		
				8	/S5.8		

Screen bus	A Cable clamp	Cover
N-bus	B Screen bus	Insulation plate
PE-PEN-bus	C Screwed cable gland	Higher level insulation plate
Used cores total	D Plug housing	Test socket
Continued on sheet	E Insulated	Disconnector

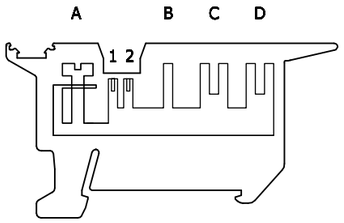
Revision	Modification	Date	Name				
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW	Siemens AG
				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XPE
Connection table

=HZ01.1 V =H09 +.B /14
998574-000501 (3) W92210-L1965-S098-A
Sheet 14+ 18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H09 / V / / / 15

	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
550-553	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 4

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip Link	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XT15					
	1 2 JUMPER					
-F151 :2		550	/S4.2			
-F151 :3		551	/S4.2			
-F151 :4		552	/S4.3			-XT :104 B
-F151 :6		553	/S4.3			-XT :105 B

Screen bus	A Cable clamp	Cover
N-bus	B Screen bus	Insulation plate
PE-PEN-bus	C Screwed cable gland	Higher level insulation plate
Used cores total	D Plug housing	Test socket
Continued on sheet	E Insulated	Disconnector

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Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	
				Drawn	Herrmann	
				Appr.	Jacobi	
				Norm		

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XT15
Connection table

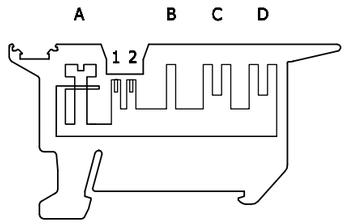
=HZ01.1 V =H09 +.B /15

998574-000501 (3) W92210-L1965-S098-A

Sheet 15+ 18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H09 / V / / / 16

	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
501-520	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 11

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation				Terminal strip Link	Term.-no.	Cross-ref.	Slot B Destination Item designation		Termination C Destination Item designation		Termination D Destination Item designation	
				-XT5								
				1 2 JUMPER								
		-F50	:1		501	/S3.2	-XT5A	:501 A	-F51	:1		
		-F50	:3		504	/S3.2	-XT5A	:504 A	-F51	:3		
		-F50	:5		507	/S3.3	-XT5A	:507 A	-F51	:5		
		-F50	:2		511	/S3.2			-XT	:108 B	-XT	:100 B
=EXT	+EXT	-XX	:XX		512	/S3.6					-F51	:2
		-F50	:4		513	/S3.2			-XT	:109 B	-XT	:101 B
=EXT	+EXT	-XX	:XX		514	/S3.7					-F51	:4
		-F50	:6		515	/S3.3			-XT	:110 B	-XT	:102 B
=EXT	+EXT	-XX	:XX		516	/S3.8					-F51	:6
					519	/S3.3	-XT5A	:509PE A	-XT	:103 B		
=EXT	+EXT	-XX	:XX		520	/S3.5					-XT	:111 B

Screen bus	A Cable clamp — Cover
N-bus	B Screen bus — Insulation plate
PE-PEN-bus	C Screwed cable gland — Higher level insulation plate
Used cores total	D Plug housing — Test socket
Continued on sheet	E Insulated — Disconnector

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Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW
				Drawn	Herrmann	Siemens Limited (Taipei)
				Appr.	Jacobi	33KV MAIN SUBSTATION
				Norm		Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XT5
Connection table

=HZ01.1 V =H09 +.B /16

998574-000501 (3) W92210-L1965-S098-A

Sheet 16+ 18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-11-PT4
Archive: =H09 / V / / / 17

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				

1	2	3	4	5	6	7	8	9	10	11	12	13	14

1 2 3 2 1

1) Test socket
2) Jumper
3) Disconnecting link

Cable connection to termination

A B

Terminal	Terminal block type	Wire type
501 - 587	PT 4/1P	
503PE,506PE,509PE	PT 4/1P-PE	
533PE,536PE,539PE	PT 4/1P-PE	
580PE	PT 4/1P-PE	
590PE	PT 4-PE	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 20

Termination A Destination Item designation	Terminal strip Link	Term.-no.	Cross-ref.	Slot B Destination Item designation
	-XT5A			
	1 2 JUMPER			
-XT5 :501 B		501	/S3.2	-XL1A :1a
-XPE :5 B		503PE	/S3.2	-XL1A :1n
-XT5 :504 B		504	/S3.2	-XL2A :1a
		506PE	/S3.2	-XL2A :1n
-XT5 :507 B		507	/S3.3	-XL3A :1a
-XT5 :519 B		509PE	/S3.3	-XL3A :1n
		531	/S3.4	-XL1B :2a
		533PE	/S3.5	-XL1B :2n
		534	/S3.5	-XL2B :2a
		536PE	/S3.5	-XL2B :2n
		537	/S3.6	-XL3B :2a
		539PE	/S3.6	-XL3B :2n
		580	/S3.7	
		581	/S3.7	-XL1C :da
		583	/S3.7	-XL1C :dn
		584	/S3.7	-XL2C :da
		586	/S3.8	-XL2C :dn
		587	/S3.8	-XL3C :da
		589PE	/S3.8	-XL3C :dn
		590PE	/S3.8	

Screen bus
N-bus
PE-PEN-bus
Used cores total
Continued on sheet

A Cable clamp
B Screen bus
C Screwed cable gland
D Plug housing
E Insulated

Cover
Higher level insulation plate
Test socket

Plug-in bridge

Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	
				Drawn	Herrmann	
				Appr.	Jacobi	
				Norm		

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XT5A
Connection table

=HZ01.1 V =H09 +.B /17

998574-000501 (3) W92210-L1965-S098-A

Sheet 17+ 18 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBKLP2-11_I
Archive: =H09 / V / / / 18

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				

1 2 3 2 1

1) Test socket
2) Jumper
3) Disconnecting link

Cable connection to termination A B

Terminal: 100-111
Terminal block type: URTK/SP
Wire type:

FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 10

1	2	3	4	5	6	7	8	9	10	11	12	13	14

Termination A Destination Item designation	Terminal strip -XT Link	Term.-no.	Cross-ref.	Termination B Destination Item designation
+.T -F31-1 :B1		100	/S3.2	-XT5 :511 D
+.T -F31-1 :B3		101	/S3.2	-XT5 :513 D
+.T -F31-1 :B4		102	/S3.3	-XT5 :515 D
+.T -F31-1 :B2		103	/S3.3	-XT5 :519 C
+.T -F31-1 :B5		104	/S4.3	-XT15 :552 D
+.T -F31-1 :B6		105	/S4.3	-XT15 :553 D
+.T -P01 :F1		108	/S3.4	-XT5 :511 C
+.T -P01 :F2		109	/S3.4	-XT5 :513 C
+.T -P01 :F3		110	/S3.5	-XT5 :515 C
+.T -P01 :F4		111	/S3.5	-XT5 :520 D

Screen bus	A Cable clamp		Cover
N-bus	B Screen bus		Insulation plate
PE-PEN-bus	C Screwed cable gland		Higher level insulation plate
Used cores total	D Plug housing		Test socket
Continued on sheet	E Insulated		Disconnector

Revision	Modification	Date	Name				
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW	
				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
Incoming Feeder
=H09+.B-XT
Connection table

=HZ01.1 V =H09 +.B /18

998574-000501 (3) W92210-L1965-S098-A

Sheet 18-18 Sh.