

for

PurchaserVena new energy company / TW

UserSiemens Limited (Taipei)

Plant33KV MAIN SUBSTATION

Plant section8DA10 SWITCHGEAR 33,0 kV
BUS SECTION
OUTGOING FEEDER

Typical=HZ24.1

Project reference number

Date of issue29.04.21

Customer document number

A	change PCMI I2	29.04.21	HE
Revision	Modification	Date	Name

SIEMENS AG

Archive: =H10 / A / / 1Project: 998574-000501

Documentation identifierA / =H10 / / 1

Manufacturer document number(3) W92210-L1965-U101-A

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	Designation						Manufacturer document number Customer document number						Sheet	Sheets	Date	Description						Prepared by													
	A			=H10 +H10			/1			(3) W92210-L1965-U101						1-	1	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS SECTION Cover sheet						EM MS O GIS SWF PR OP SEN FFM										
	A			=H10 +H10			A1			(3) W92210-L1965-L102						1+	4	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS SECTION List of documents						EM MS O GIS SWF PR OP SEN FFM										
	A			=H10 +H10			A2			(3) W92210-L1965-L102						2+	4	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS SECTION List of documents						EM MS O GIS SWF PR OP SEN FFM										
	A			=H10 +H10			A3			(3) W92210-L1965-L102						3+	4	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS SECTION List of documents						EM MS O GIS SWF PR OP SEN FFM										
	A			=H10 +H10			A4			(3) W92210-L1965-L102						4-	4	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS SECTION List of documents						EM MS O GIS SWF PR OP SEN FFM										
	S			=H10 +H10			B1			(3) W92210-L1965-S104						1-	1	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS SECTION FEEDER OVERVIEW Circuit diagram						EM MS O GIS SWF PR OP SEN FFM										
	S			=H10 +H10			G1			(3) W92210-L1965-S105						1-	1	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS SECTION POWER SUPPLY Circuit diagram						EM MS O GIS SWF PR OP SEN FFM										
	S			=H10 +H10			M1			(3) W92210-L1965-S105						1+	16	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS SECTION CONTROL, CB. CLOSING/TRIPPING Circuit diagram						EM MS O GIS SWF PR OP SEN FFM										
B	A			=H10 +H10			A2			(3) W92210-L1965-L102						2+	16	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS SECTION CONTROL, CB. CLOSING/TRIPPING Circuit diagram						EM MS O GIS SWF PR OP SEN FFM										
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A			change PCMI I			29.04.21			HE			Appr.			Jacobi			33KV MAIN SUBSTATION									998574-000501			(3) W92210-L1965-L102-A			Sheet 1+		
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A		change PCMI I		29.04.21		HE		Appr.		Jacobi		33KV MAIN SUBSTATION						BUS SECTION			998574-000501		(3) W92210-L1965-L102-A																						
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	S	=H10 +H10	Z2	(3) W92210-L1965-S105				2+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS SECTION THREE POSITION SWITCH Circuit diagram				EM MS O GIS SWF PR OP SEN FFM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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	S	=H10 +H10	Z6	(3) W92210-L1965-S105				6+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS SECTION SECONDARY EQUIPMENT Circuit diagram				EM MS O GIS SWF PR OP SEN FFM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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	S	=H10 +H10	Z8	(3) W92210-L1965-S105				8+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS SECTION SECONDARY EQUIPMENT Circuit diagram				EM MS O GIS SWF PR OP SEN FFM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	S	=H10 +H10	Z9	(3) W92210-L1965-S105				9+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS SECTION SECONDARY EQUIPMENT Circuit diagram				EM MS O GIS SWF PR OP SEN FFM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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	V		=H10 +.B		/6		(3) W92210-L1965-S108				6+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS SECTION +.B-XC30 Connection table				EM MS O GIS SWF PR OP SEN FFM									
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	V		=H10 +.B		/15		(3) W92210-L1965-S108				15-	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS SECTION +.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				8DA10 SWITCHGEAR 33,0 kV						A		=H10					
						Drawn		Herrmann		Siemens AG				BUS SECTION						=HZ24.1		+H10		A4			
A		change PCMI II		29.04.21		HE		Appr.		Jacobi		33KV MAIN SUBSTATION								998574-000501		(3) W92210-L1965-L102-A				Sheet 4-	
Revision		Modification		Date		Name		Norm		Orig./Prep.for/Prep.by				List of documents												4 Sh.	
1				2		3		4		5		6		7		8											

ELCAD-Version: 7.7.1.SP2
Last used: 29.04.21
FBSTP2

Archive: =H10 / S / B / 1

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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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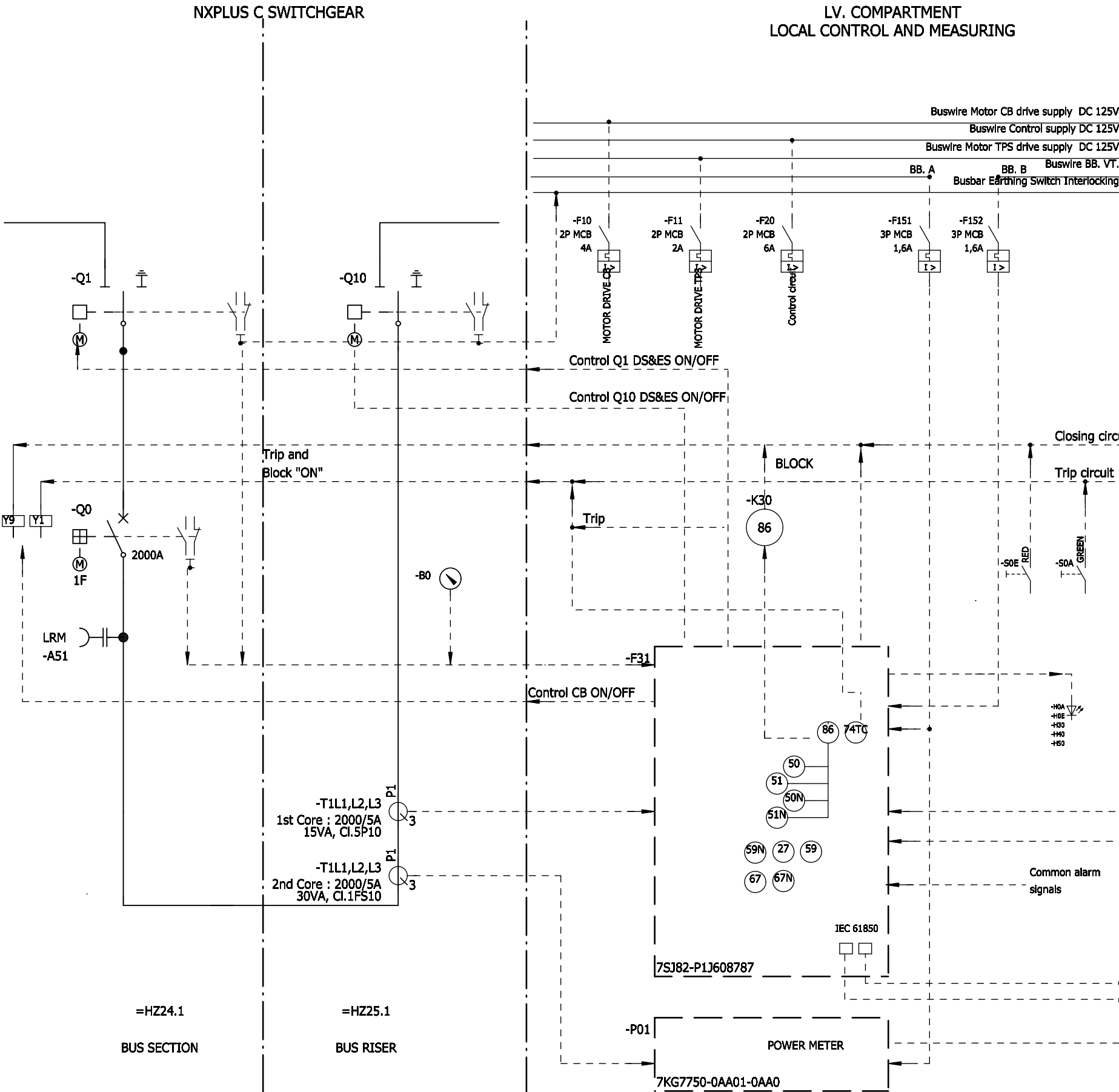
Remark :
Drawings will be applied for panel

- 1) H10 Bus sectionalizer
- 2) H28 Bus sectionalizer

Legend

- Q0 Motorized Circuit-Breaker
- Q10 Motorized Operated 3 Position Switch
- T1 Current Transformer
- 50 Instantaneous Overcurrent
- 50N Instantaneous Earth-fault Overcurrent
- 51 Time-Overcurrent, phase
- 51N Time-Overcurrent, earth
- 86 Lockout function

-A51 Voltage Indicator LRM



System/rated frequency 3~60 Hz

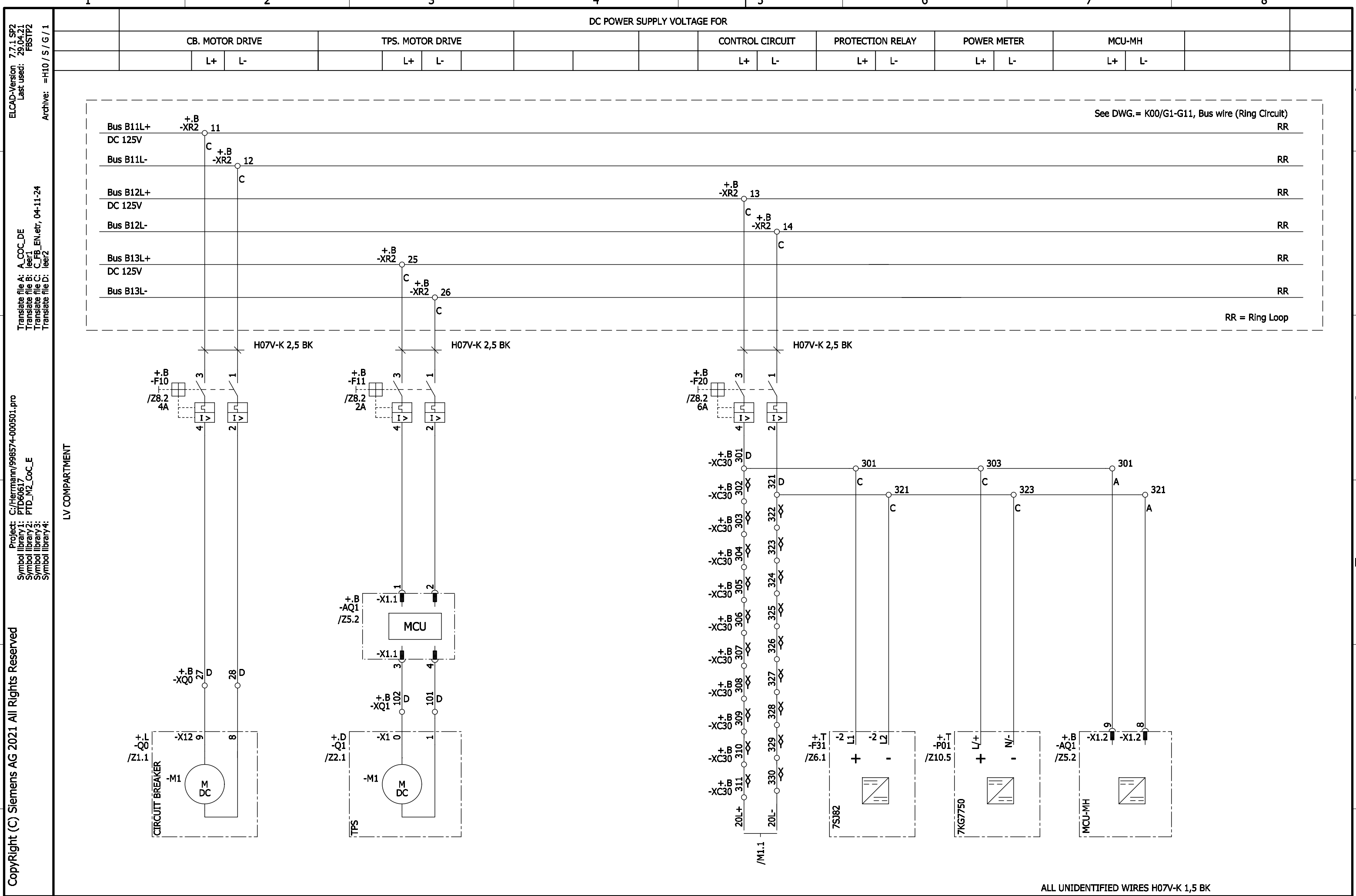
Operating voltage 33,0 kV

Rated voltage 36,0 kV

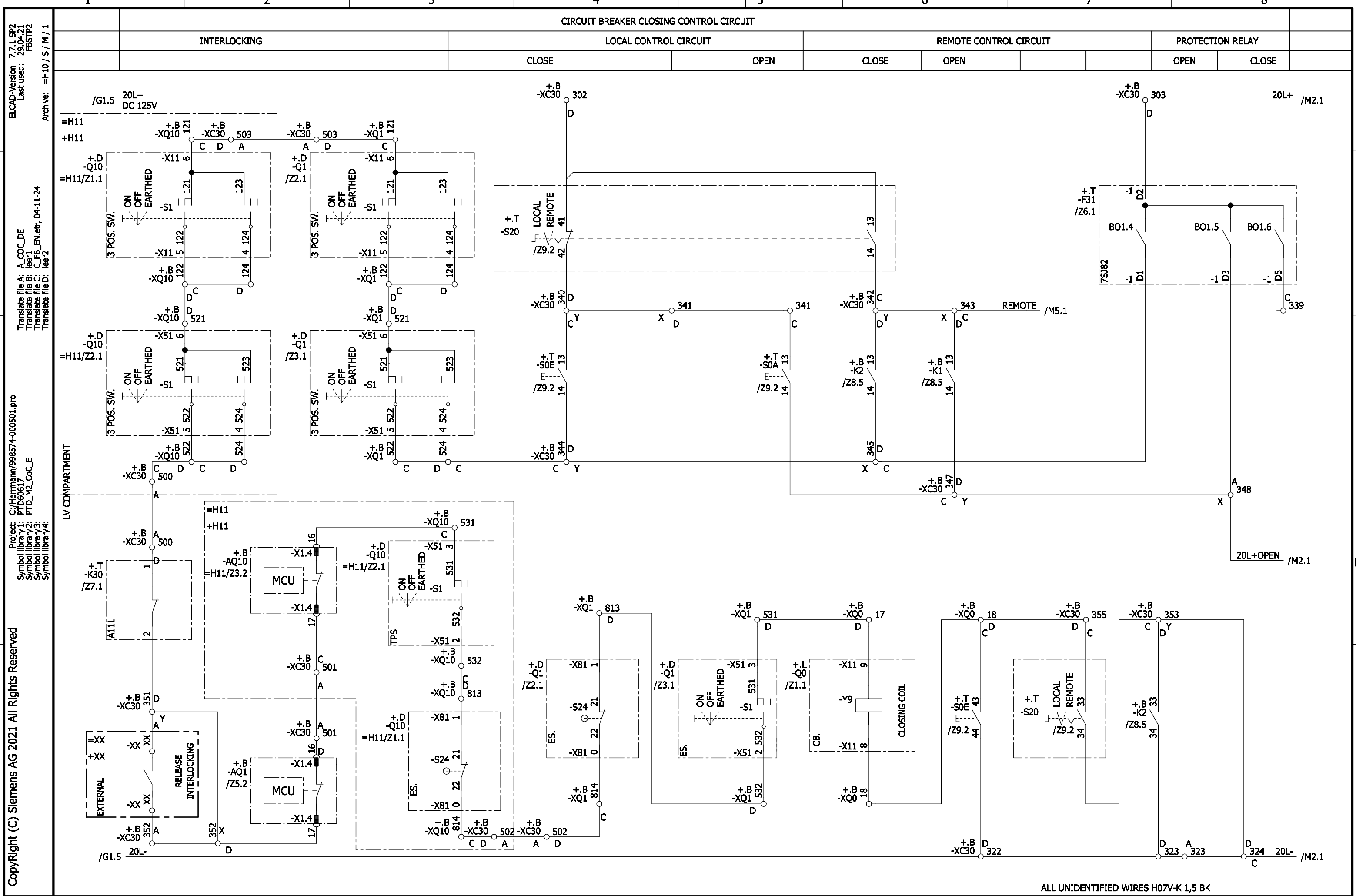
Rated short-time withst. curr. 25,0kA (3s)

Rated normal current 2000A

Date		07.04.2021		Vena new energy company / TW		Siemens AG		8DA10 SWITCHGEAR 33,0 kV		=HZ24.1 S =H10			
Drawn		Herrmann		Siemens Limited (Taipei)				BUS SECTION		+H10		B1	
HE		Appr.		Jacobi		33KV MAIN SUBSTATION		FEEDER OVERVIEW				Sheet 1-	
Revision		Modification		Date		Name		Norm		Orig./Prep.for/Prep.by		1 Sh.	



				Date	07.04.2021	Vena new energy company / TW Siemens Limited (Taipei) 33KV MAIN SUBSTATION	Siemens AG	8DA10 SWITCHGEAR 33,0 kV BUS SECTION POWER SUPPLY		=HZ24.1	S	=H10 +H10	
				Drawn	Herrmann								
A	change PCMI I	29.04.21	HE	Appr.	Jacobi								G1
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S105-A			Sheet 1- 1 Sh.



			Date	07.04.2021	Vena new energy company / TW Siemens Limited (Taipei) 33KV MAIN SUBSTATION	Siemens AG	8DA10 SWITCHGEAR 33,0 kV BUS SECTION CONTROL, CB. CLOSING/TRIPPING			=HZ24.1	S	=H10		
			Drawn	Herrmann								+H10		M1
A	change PCMI II	29.04.21	HE	Appr.				Jacobi						Sheet 1+
Revision	Modification	Date	Name	Norm	Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S105-A			17 Sh.		
1					2	3	4	5	6	7	8			

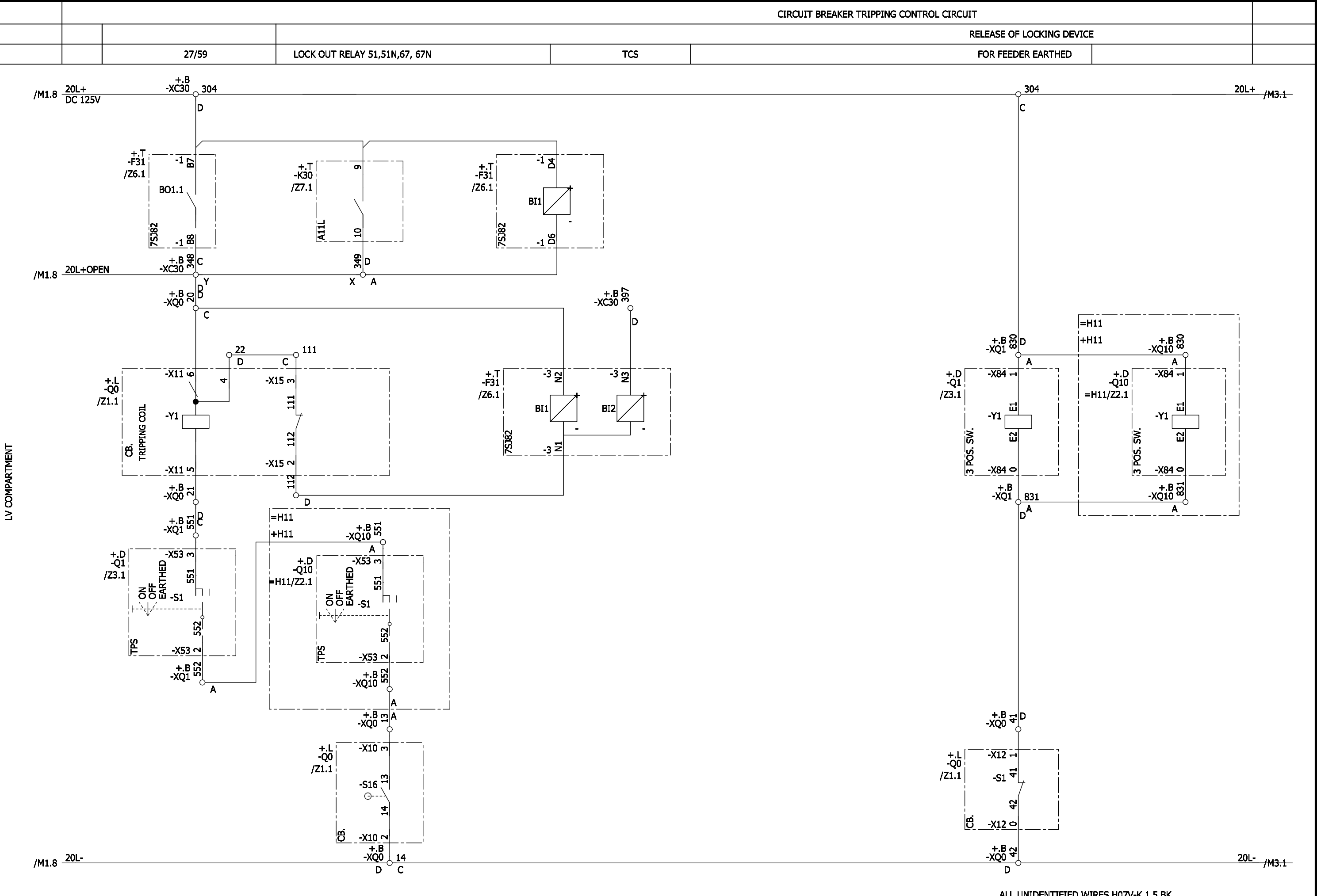
ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBSTP2

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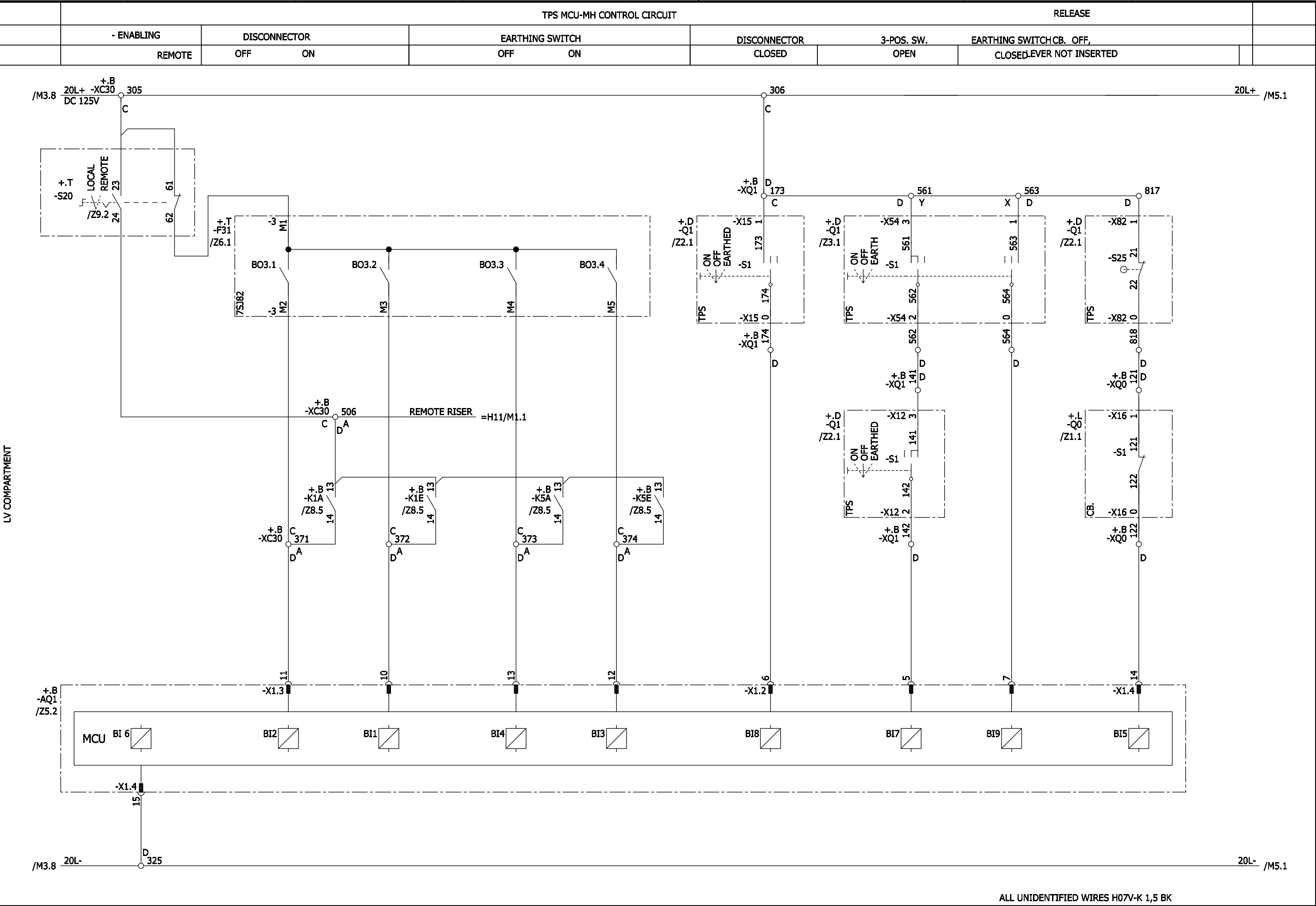
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A		change PCMI I	29.04.21	HE	Appr.	Jacobi	Vena new energy company / TW Siemens Limited (Taipei) 33KV MAIN SUBSTATION					
				Date	07.04.2021		Drawn Herrmann					
				Drawn	Herrmann							

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
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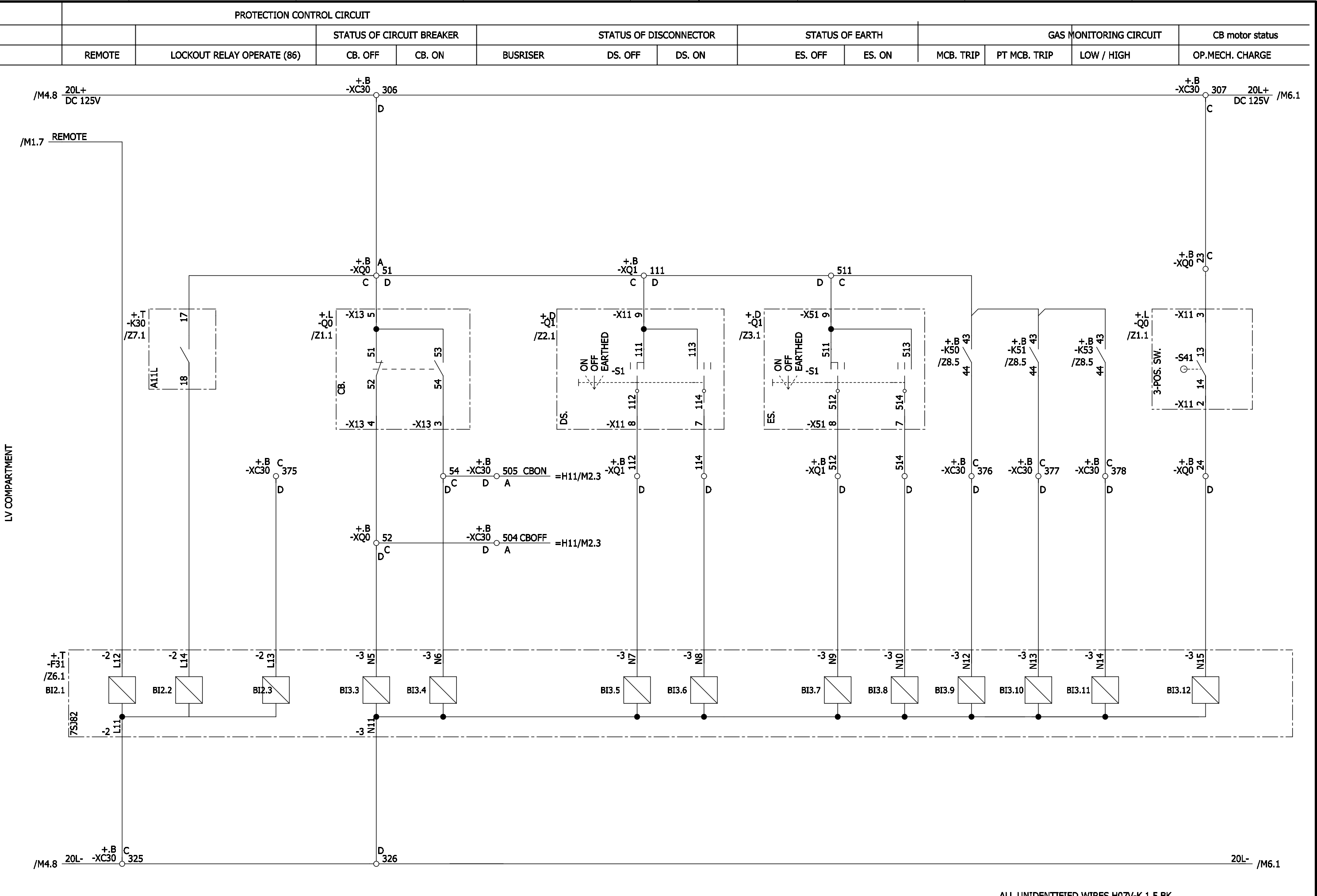
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A	change PCMI ID	29.04.21	HE	Appr.	Jacobi	Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S105-A			Sheet 4+
Revision	Modification	Date	Name	Norm									17 Sh.

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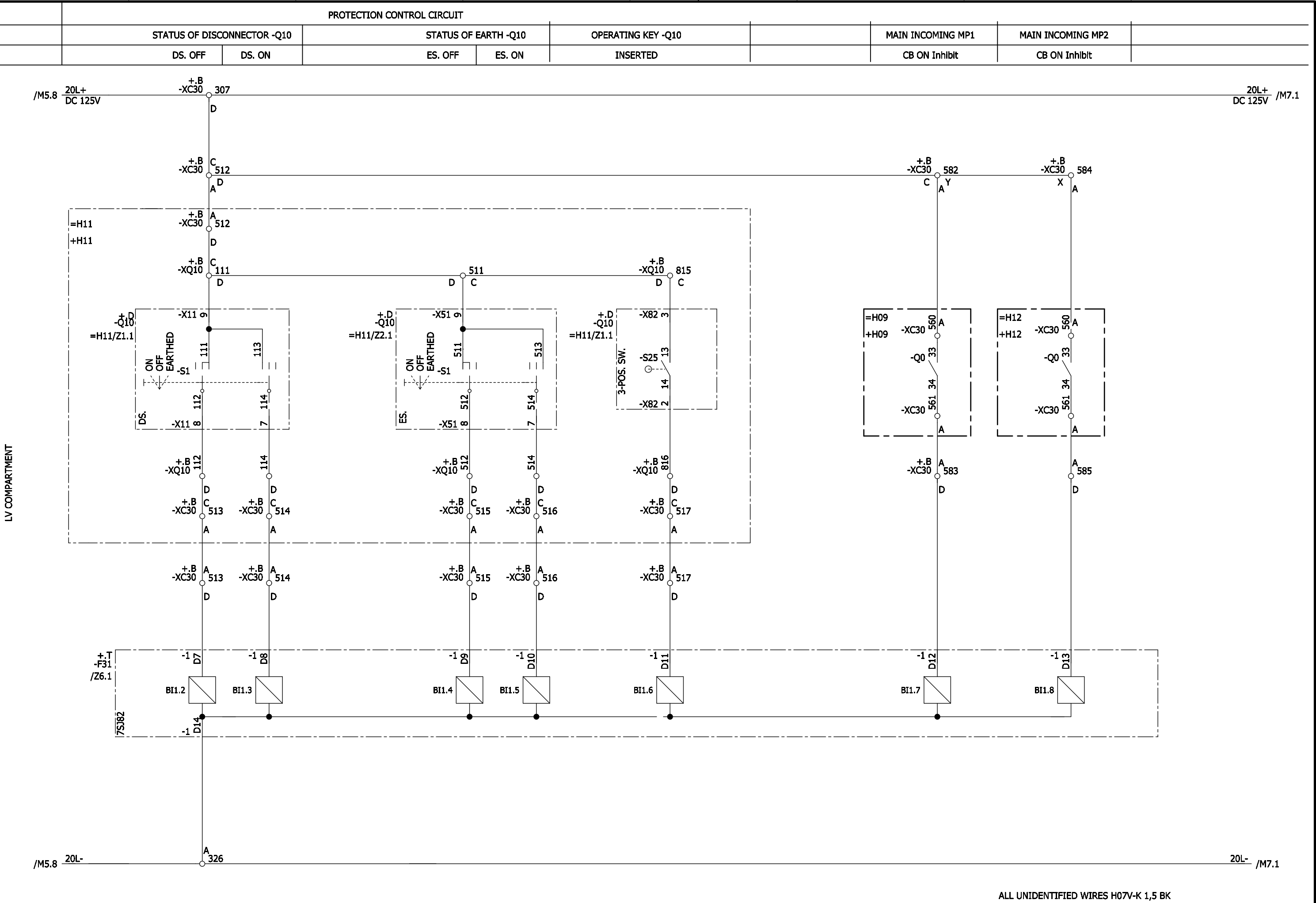
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				Drawn	Herrmann								+H10		M5
A	change PCMI I	29.04.21	HE	Appr.	Jacobi										Sheet 5+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by			998574-000501	(3) W92210-L1965-S105-A			17 Sh.		

ELCAD-Version 7.7.1 SP2
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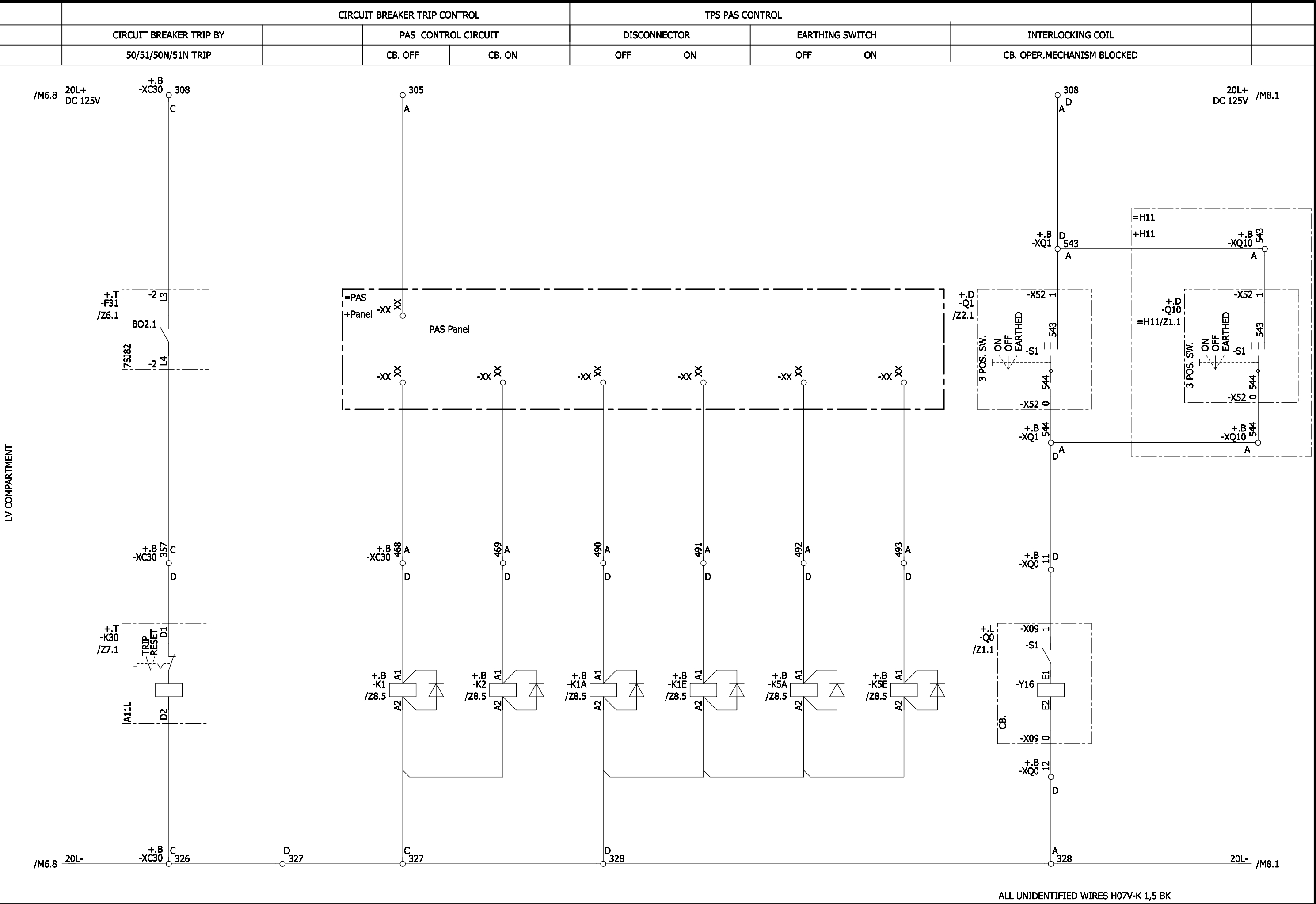
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				Drawn	Herrmann								+H10			M6
A	change PCMI I	29.04.21	HE	Appr.	Jacobi											Sheet 6+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by			998574-000501	(3) W92210-L1965-S105-A				17 Sh.		

ELCAD-Version 7.7.1 SP2
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				Date	07.04.2021	Vena new energy company / TW Siemens Limited (Taipei) 33KV MAIN SUBSTATION	Siemens AG	8DA10 SWITCHGEAR 33,0 kV BUS SECTION CONTROL CIRCUIT		=HZ24.1	S	=H10	
				Drawn	Herrmann							+H10	M7
A	change PCMI I	29.04.21	HE	Appr.	Jacobi								Sheet 7+
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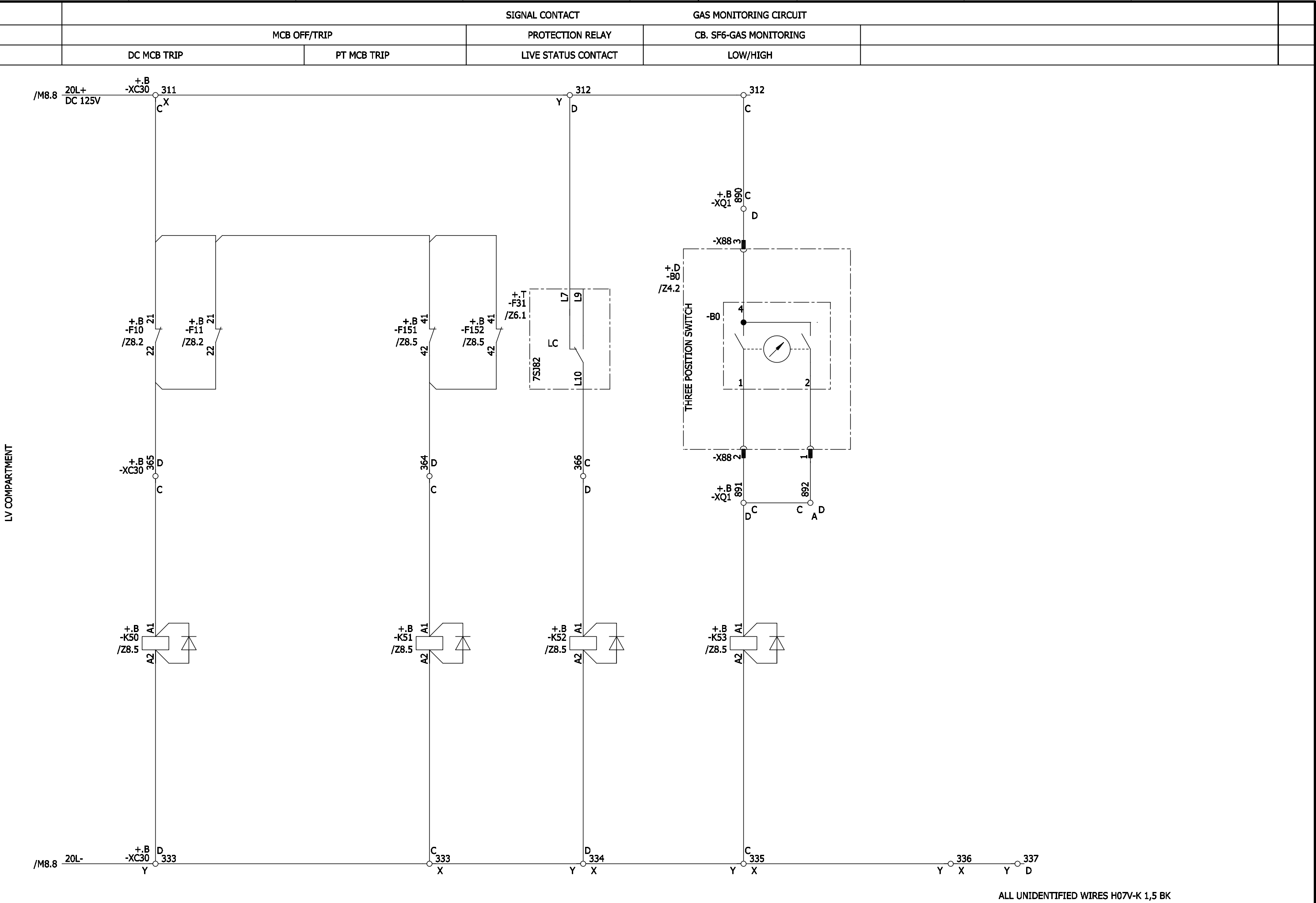
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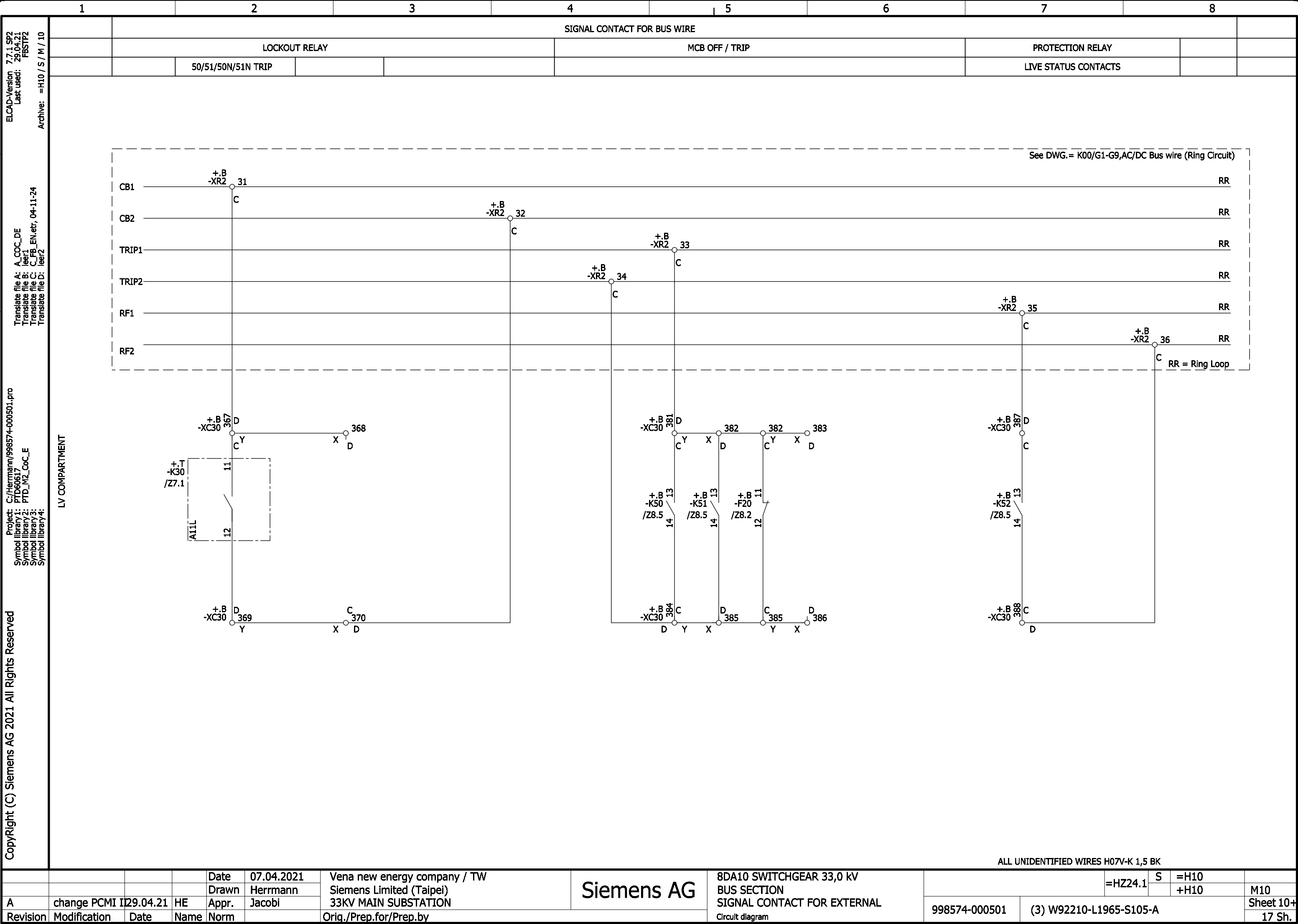
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				Drawn	Herrmann					+H10	M9		
A	change PCMI I	29.04.21	HE	Appr.	Jacobi					998574-000501	(3) W92210-L1965-S105-A		
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by							17 Sh.

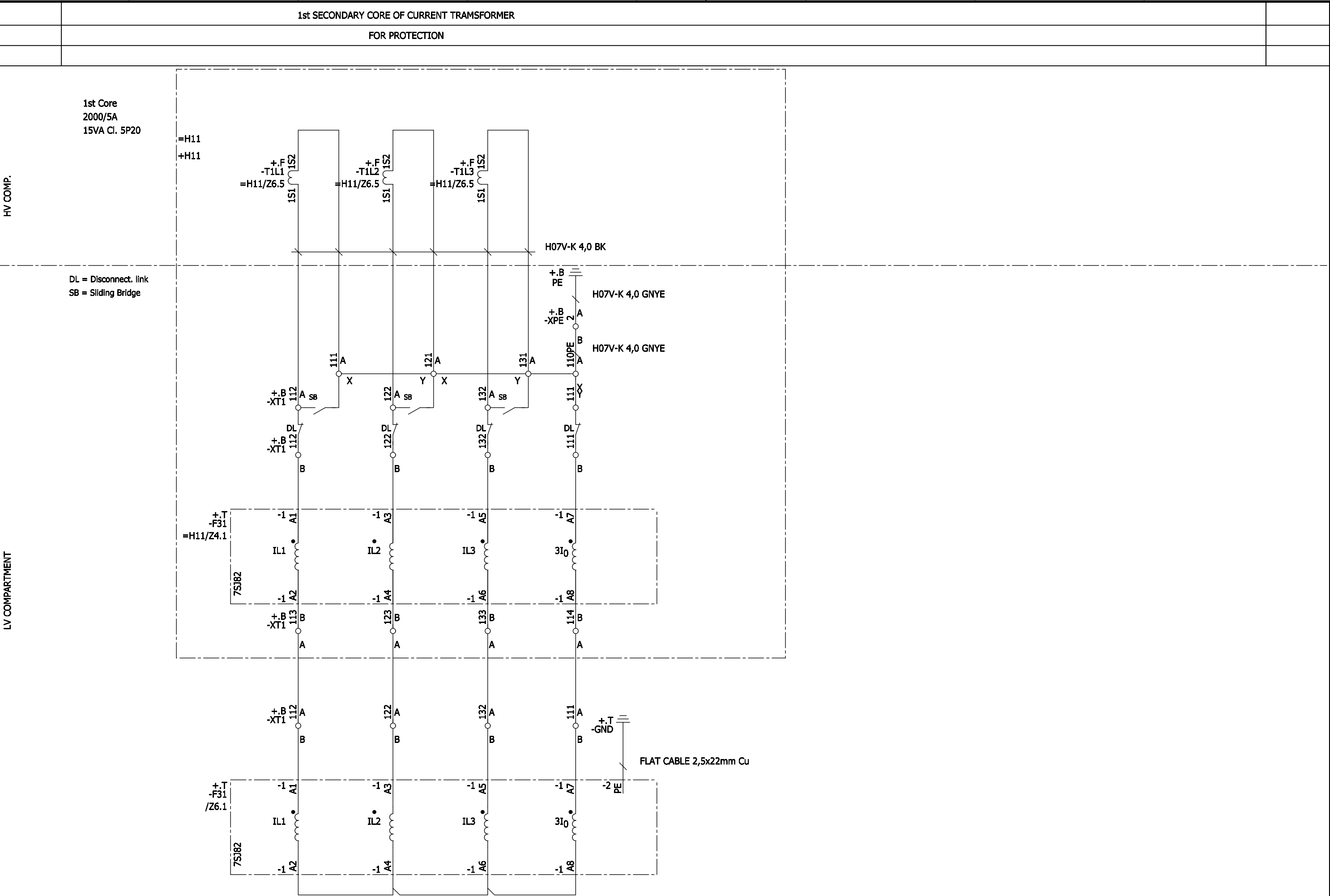


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Translate file D: lee2



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				Drawn	Herrmann	Siemens Limited (Taipei)			BUS SECTION				=HZ24.1		+H10	S1
A	change PCMI I	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION			TRANSFORMER CIRCUITS							Sheet 1+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by			Circuit diagram		998574-000501		(3) W92210-L1965-S105-A		4 Sh.	

ELCAD-Version 7.7.1 SP2
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Archive: =H10 / S / S / 2

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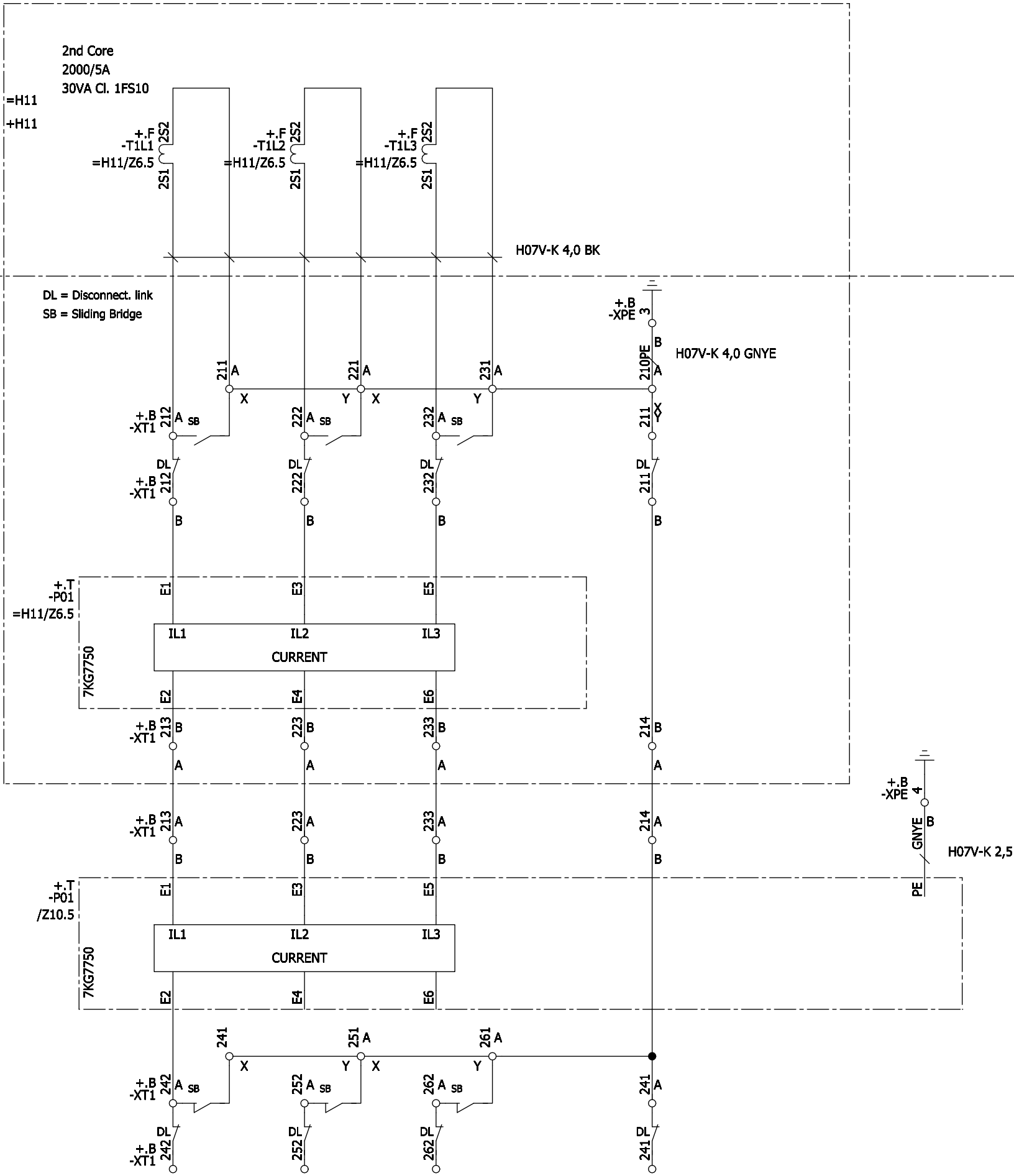
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Revision	Modification	Date	Name	Norm	

2nd SECONDARY CORE OF CURRENT TRANSFORMER

FOR METERING

HV COMP.

LV COMPARTMENT



ALL UNIDENTIFIED WIRES H07V-K 2,5 BK

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				Drawn	Herrmann	Siemens Limited (Taipei)						+H10			S2
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Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S105-A				4 Sh.	

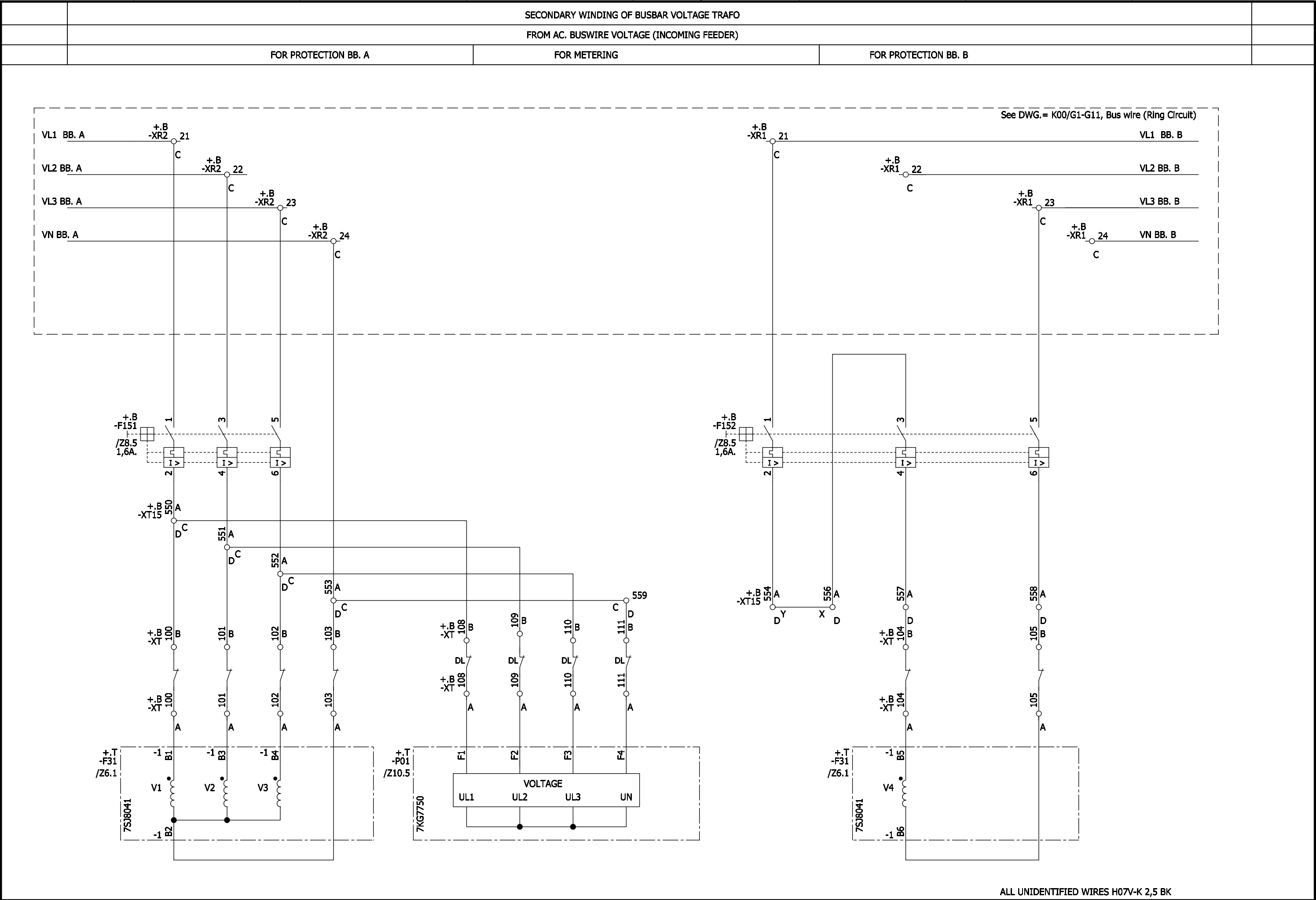
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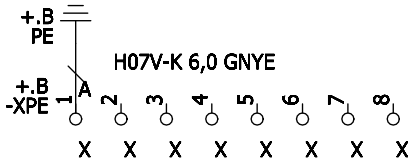
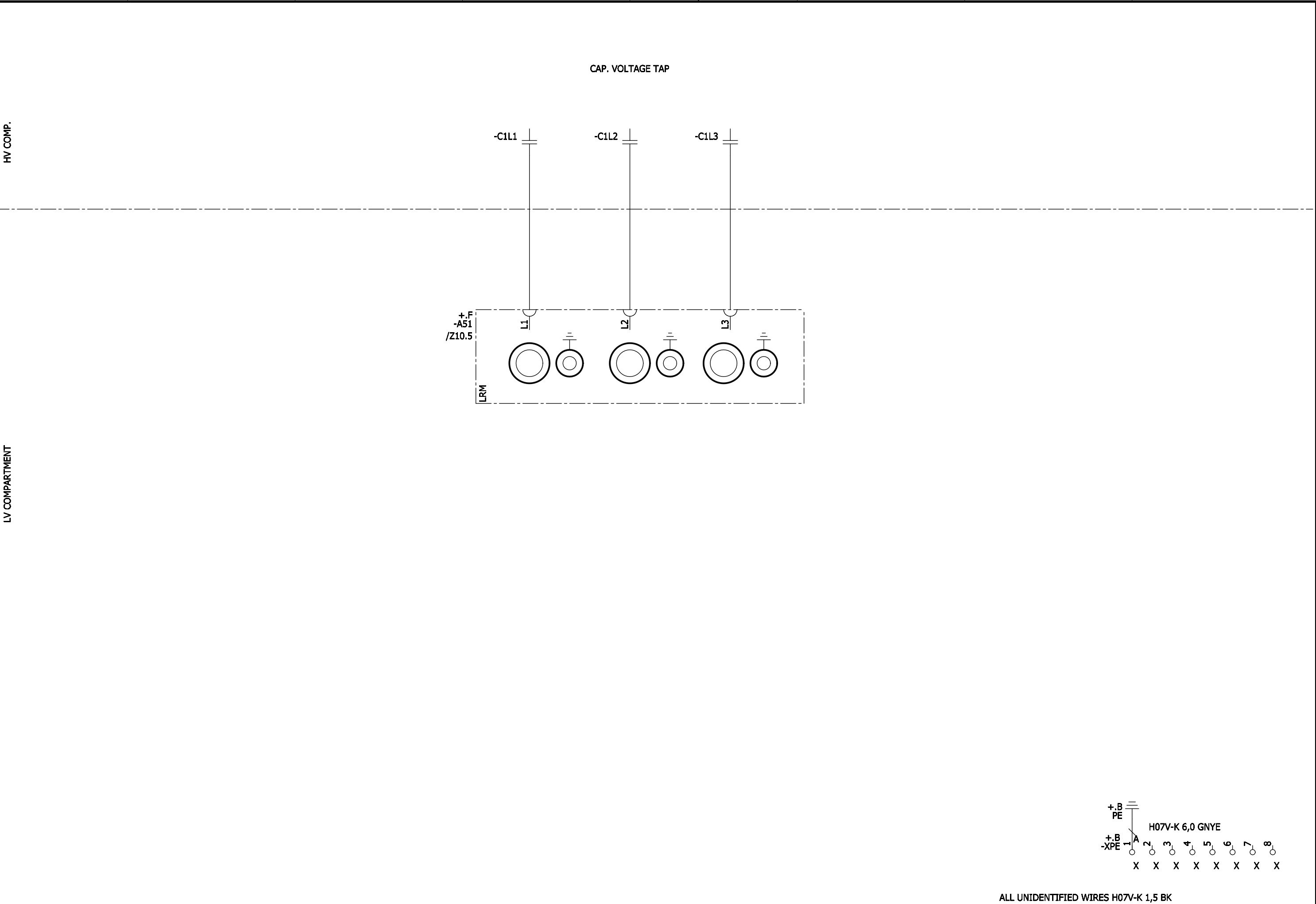
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				Drawn	Herrmann	Siemens Limited (Taipei)						+H10	S3
A	change PCMI I	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION						Sheet 3+	
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S105-A			4 Sh.

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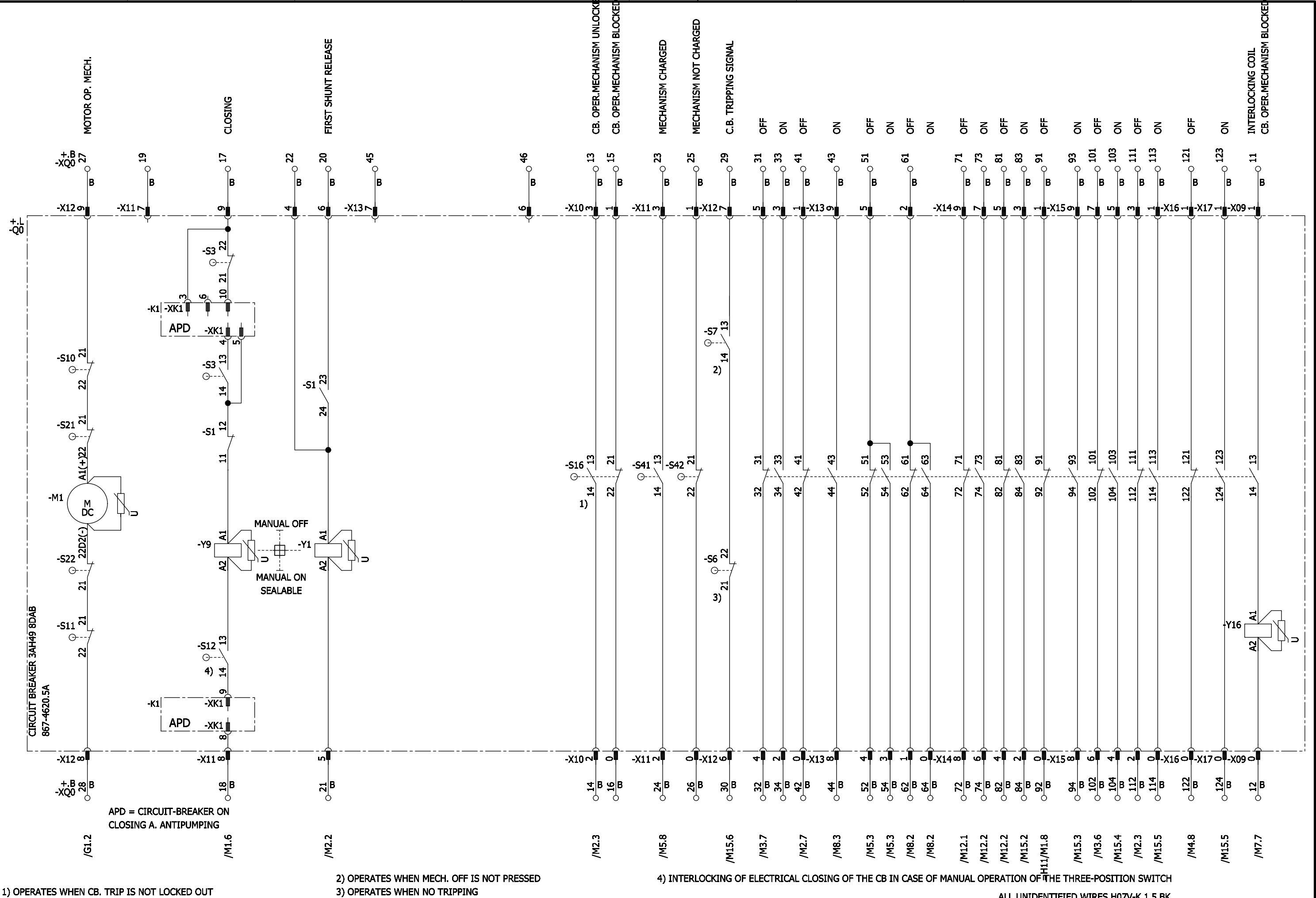
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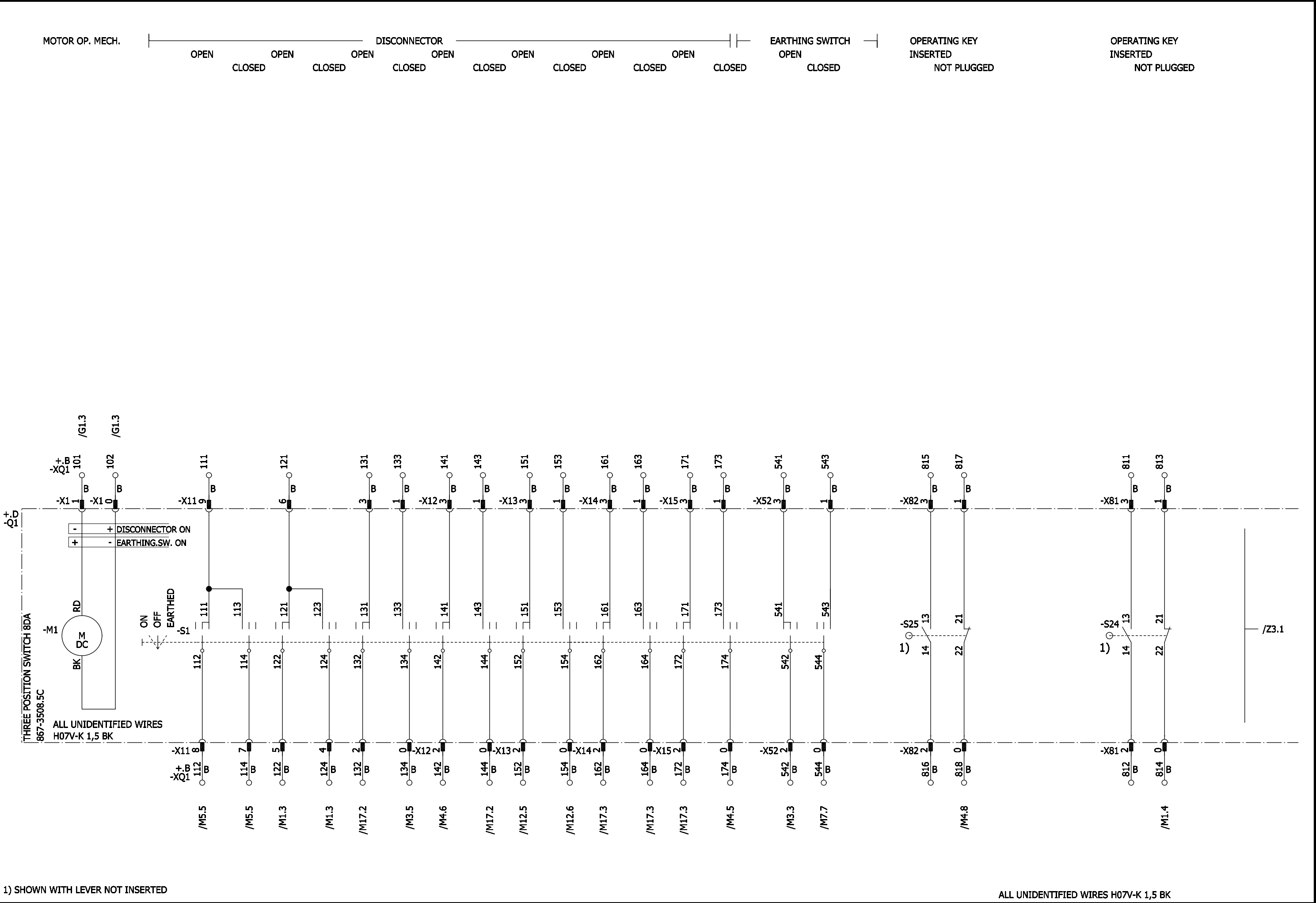


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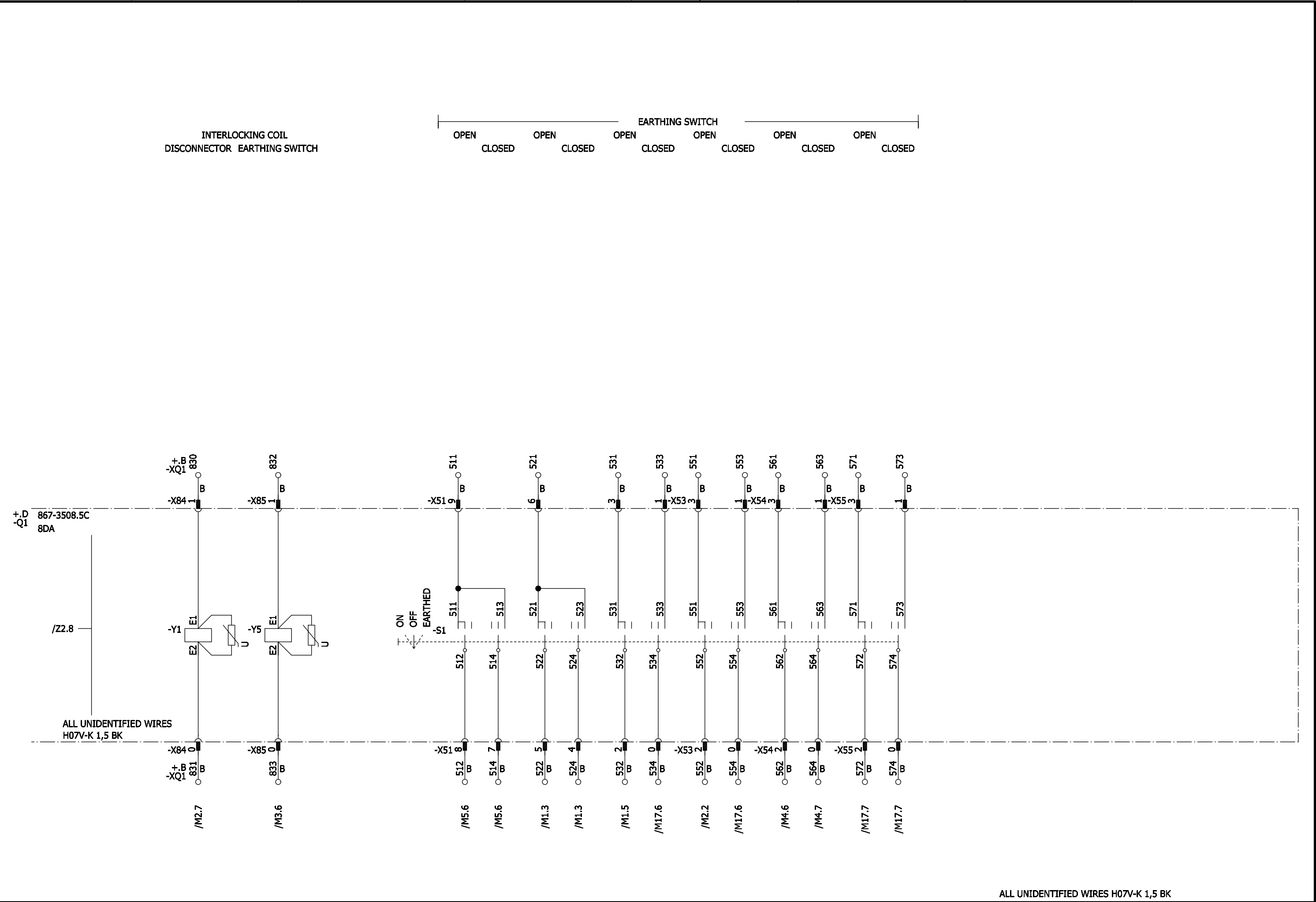
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A	change PCMI I	29.04.21	HE	Appr.	Jacobi							+H10	S4	
Revision	Modification	Date	Name	Norm					Orig./Prep.for/Prep.by		998574-000501	(3) W92210-L1965-S105-A		Sheet 4-
														4 Sh.



				Date	07.04.2021	Vena new energy company / TW Siemens Limited (Taipei) 33KV MAIN SUBSTATION	Siemens AG	8DA10 SWITCHGEAR 33,0 kV BUS SECTION CIRCUIT BREAKER		=HZ24.1	S	=H10	
				Drawn	Herrmann							+H10	Z1
A	change PCMI I	29.04.21	HE	Appr.	Jacobi								Sheet 1+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S105-A			10 Sh.

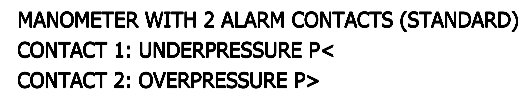


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				Drawn	Herrmann							+H10	Z2
A	change PCMI I	29.04.21	HE	Appr.	Jacobi								
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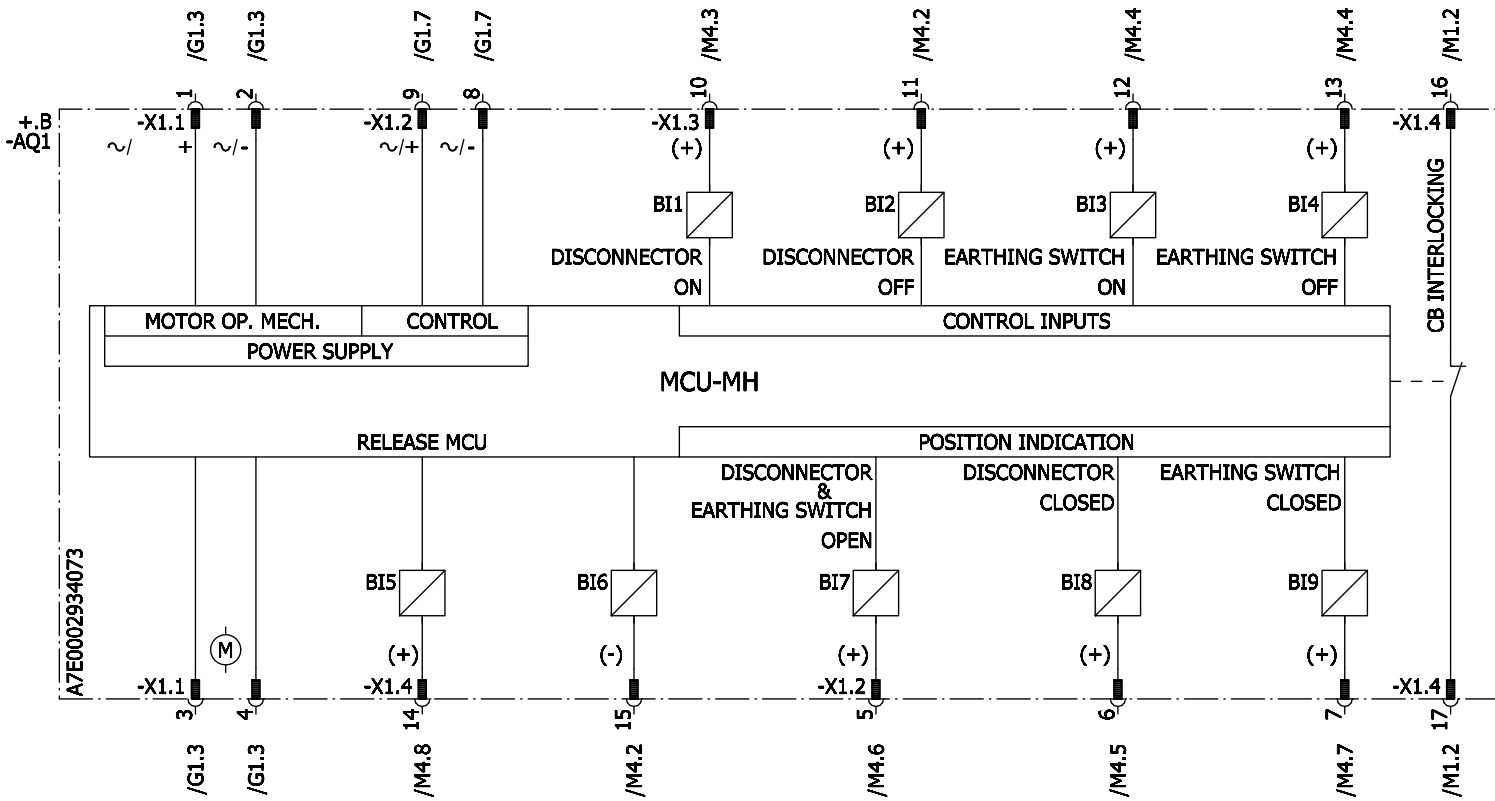


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				Drawn	Herrmann							+H10	Z3
A	change PCMI I	29.04.21	HE	Appr.	Jacobi	Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S105-A			Sheet 3+
Revision	Modification	Date	Name	Norm									10 Sh.

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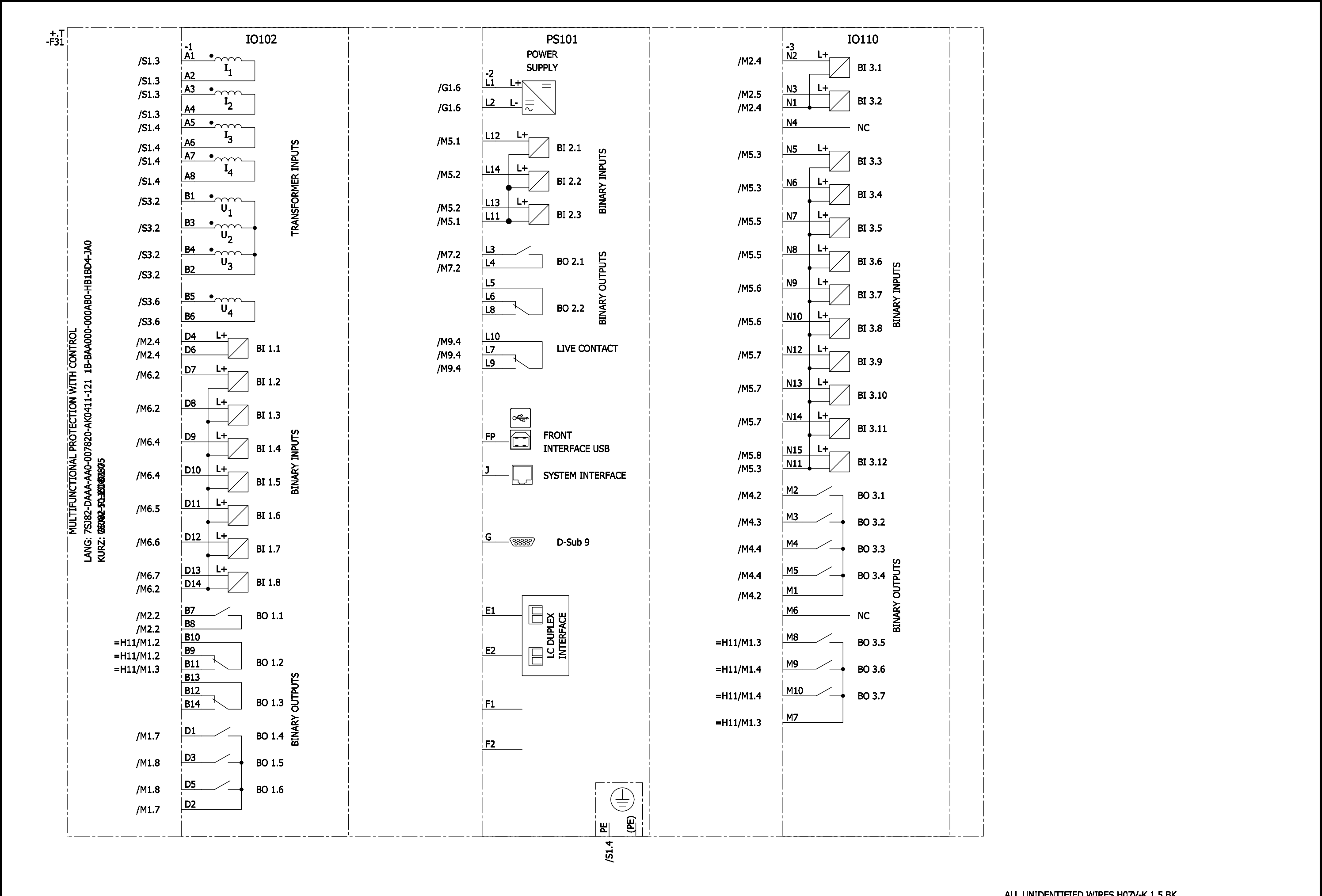


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L1965-S105-A			Sheet 4+
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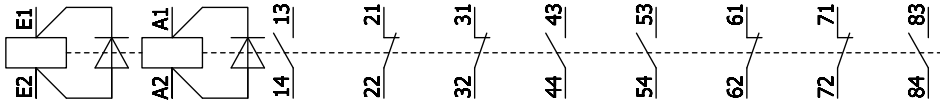
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Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S105-A			Sheet 5+	
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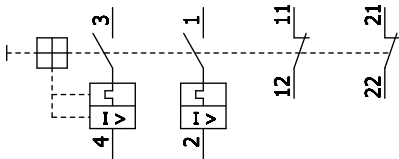


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				Drawn	Herrmann	Siemens Limited (Taipei)						+H10		Z6
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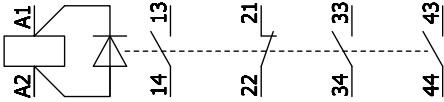
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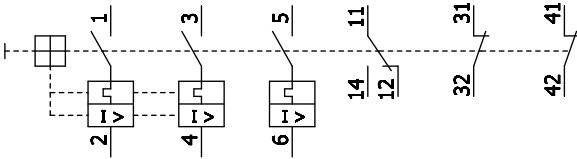
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-F10 5ST3012				
2NC CB. MOTOR DRIVE				
5SY5206-7	/G1.5	/G1.5	/M10.5	
+B 2-pol, C 6A				
-F20 5ST3012				
2NC CONTROL/PROTECTION				
5SY5202-7	/G1.3	/G1.3	/M8.6	/M9.2
+B 2-pol, C 2A				
-F11 5ST3012				
2NC TPS. MOTOR DRIVE				



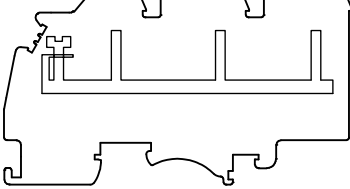
3RH2131-1BG40	/M7.3	/M1.6			
+B 3RT2916-1DG00					
-K1 125V DC CB. OFF EXTERNAL					
3RH2131-1BG40	/M7.4	/M1.6		/M1.7	
+B 3RT2916-1DG00					
-K2 125V DC CB. ON EXTERNAL					
3RH2131-1BG40	/M9.2	/M10.5			/M5.7
+B 3RT2916-1DG00					
-K50 125V DC MCB. TRIP					
3RH2131-1BG40	/M9.3	/M10.5			/M5.7
+B 3RT2916-1DG00					
-K51 125V DC VT MCB. TRIP					
3RH2131-1BG40	/M9.4	/M10.7			
+B 3RT2916-1DG00					
-K52 125V DC LIVE STATUS CONTACTS					
3RH2131-1BG40	/M9.5		/M11.2		/M5.7
+B 3RT2916-1DG00					
-K53 125V DC SF6-GAS ALARM "LOW"					
3RH2131-1BG40	/M7.4	/M4.3			
+B 3RT2916-1DG00					
-K1A 125V DC SF6-GAS ALARM "LOW"					
3RH2131-1BG40	/M7.5	/M4.3			
+B 3RT2916-1DG00					
-K1E 125V DC SF6-GAS ALARM "LOW"					
3RH2131-1BG40	/M7.6	/M4.4			
+B 3RT2916-1DG00					
-K5A 125V DC SF6-GAS ALARM "LOW"					
3RH2131-1BG40	/M7.6	/M4.5			
+B 3RT2916-1DG00					
-K5E 125V DC SF6-GAS ALARM "LOW"					



3RV1611-1AG14	/S3.2	/S3.2	/S3.2		/M8.8	/M9.3
+B 3RV2901-1C						
-F151 1,6A PROTECTION/METERING						
3RV1611-1AG14	/S3.5	/S3.6	/S3.7		/M8.8	/M9.4
+B 3RV2901-1C						
-F152 1,6A PROTECTION/METERING						



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<div>ELCAD-Version 7.7.1.SP2 Last used: 29.04.21 FBKLP2-13-VBSTB4 Archive: =H10 / V / / / 11</div> <div>Translate file A: A_COC_DE Translate file B: leet1 Translate file C: C_FB_EN.etr, 04-11-24 Translate file D: leet2</div> <div>Project: C:/Herrmann/998574-000501.pro Symbol library 1: PTD60617 Symbol library 2: PTD_M2_Coc_E Symbol library 3: Symbol library 4:</div> <div>Copyright (C) Siemens AG 2021 All Rights Reserved</div>				Cable designation				Type, no.of cores, cross sec.				Destination, equipment code				Level				<div><div>A</div><div>B</div><div>C</div><div>D</div></div> <div><div>1 2</div></div> <div>1 = Slot 1 2 = Slot 2</div>				Terminal 101-893				Terminal block type VBSTB 4-FS				Wire type							
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Cable connection to termination												Termination A Destination				Terminal strip				Slot B Destination				Termination C Destination				Termination D Destination											
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																				⊖ □ □ • — — 143 /M18.2				+D -Q1-X12 :1															
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												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				⊖○				Disconnecter											
				Date 07.04.2021				Vena new energy company / TW				Siemens AG				8DA10 SWITCHGEAR 33,0 kV								=HZ24.1 V				=H10											
A				change PCMI I29.04.21				HE								Drawn Herrmann				BUS SECTION								+.B											
Revision				Modification				Date				Name				Norm				Orig./Prep.for/Prep.by				Connection table				998574-000501				(3) W92210-L1965-S108-A				/11 Sheet 11+			
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<div>ELCAD-Version 7.7.1.SP2 Last used: 29.04.21 FBKLP2-13-VBSTB4 Archive: =H10 / V / / / 12</div>				Cable designation				Type, no.of cores, cross sec.				Destination, equipment code				Level				<div><div>A</div><div>B</div><div>C</div><div>D</div><div><div>1</div><div>2</div></div></div> <div>1 = Slot 1 2 = Slot 2</div>				Terminal 101-893				Terminal block type VBSTB 4-FS				Wire type			
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<div>Cable connection to termination</div> <div>A <div></div> B <div></div> C <div></div> D <div></div></div>												Termination A Destination Item designation				Terminal strip <div>LinkTerm.-no.Cross-ref.</div> <div>-XQ1</div> <div>1 2 JUMPER</div>				Slot B Destination Item designation				Termination C Destination Item designation				Termination D Destination Item designation							
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[illegible]