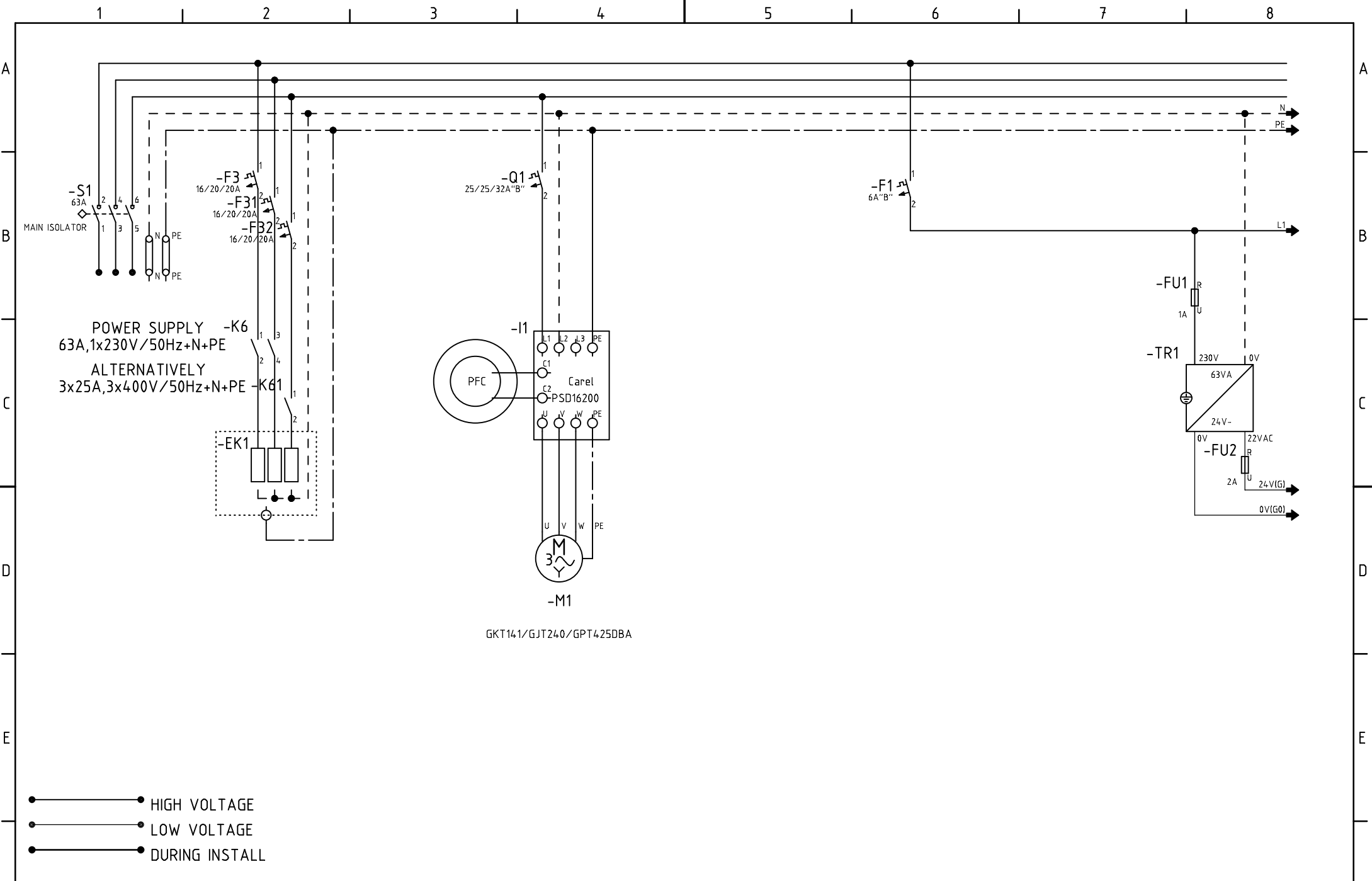


Electrical Wiring Diagram

Typ	4602 AquaMaster AQ22/30/45I	Serial No.	Technik Elektro:	Checked	Date:	Checked by:
Marking	Function	Code	Size	Producer	Standard/Option	Serial
-CO1	reversing valve		230V	Wilspec	Option	
-I1	DC drive	PSD16200	1x230V	Carel/It	Yes	
-pCO5	controller	PCO5		Carel/It	Yes	
-PGD1	semigraphical display			Carel/It	Yes	
-pAD1..pAD11..pAD12	room terminal			Carel/It	Option	
-EK1	el. heater 4.5/6/6kW		3x230V	Baker/CZ	Option	
-ExV	EEV 18/18/24kW			Carel/It	Yes	
-EVO	EEV driver	EVDEvo	24V	Carel/It	Yes	
-F1	circuit breaker control		6A	Hager	Yes	
-F3, 31, 32	circuit breaker heater		20A	Hager	Yes	
-FU1	transformer fuse		1A		Yes	
-FU2	transformer fuse		2A		Yes	
-K3	compressor run relay		4xSPDT, 230V	Finder	Yes	
-K5	heater contactor		3x400V/25A, 40	AB	Yes	
-K51	heater contactor	ER120	2x230V/20A, 20	Hager	Yes	
-K6	heater contactor		3x400V/25A, 40	AB	Yes	
-K61	heater contactor	ER120	2x230V/20A, 20	Hager	Yes	
-K62	heater safety thermostat relay		4xSPDT, 230V	Finder	Yes	
-M1	compressor GKT141/GJT240/GPT425DBA		3x230V/BLDC	LG	Yes	
-M2	pump heating	HUPA/HEP	1x230V/50Hz	HALM	Yes	
-M3	pump brine	HUPA/KGPA	1x230V/50Hz	HALM	Yes	
-M10	SHW pump / 3 way valve		1x230V/1A		No	
-M11	pump heating circuit 1		1x230V/1A		No	
-M12	pump heating circuit 2		1x230V/1A		No	
-M111	mixing valve servo HC1		24VAC/0-10VDC		No	
-M121	mixing valve servo HC2		24VAC/0-10VDC		No	
-TC1	triac module	MCHRTF04C0	1x230V/4A	Carel/It	Yes	
-PB1	SHW probe		NTC10K	Carel/It	Yes	
-PB2	heating water probe		NTC10K	Carel/It	Yes	
-PB3	outdoor probe		NTC10K	Carel/It	Yes	
-PB4	water probe HC1		NTC10K	Carel/It	Yes	
-PB5	water probe HC2		NTC10K	Carel/It	Yes	
-PS1	SGT probe		NTC10K	Carel/It	Yes	
-PS2	DGT probe		NTC50K	Carel/It	Yes	
-PT1/LP	pressure transducer		SPKT33R0	Carel/It	Yes	
-PT2/HP	pressure transducer		SPKT00B6R0	Carel/It	Yes	
-Q1	drive circuit breaker		1x230V/25/25/32A"B"	Hager	Yes	
-S1	main switch		3x400V/63A		Yes	
-S3	high pressure switch		42bar	Danfoss	Yes	
-S4	flow switch		24VAC/1A	Sika	Option	
-T2	heater safety thermostat		70 °C	TG	Option	
-TR1	transformer		230VAC/22VAC/63VA		Yes	
-FB	fieldbus card	PCO100FD00		Carel/It	Yes	
-BMS	bms card	PCOS004850		Carel/It	Yes	
-ET1	internet module	NeoBOX		Neoware	Option	
N, PE	terminals 2x6mm ²				Yes	
L1..N..PE..1..96	terminals 2.5mm ²			Wago	Yes	



ECN No.	Date	Name

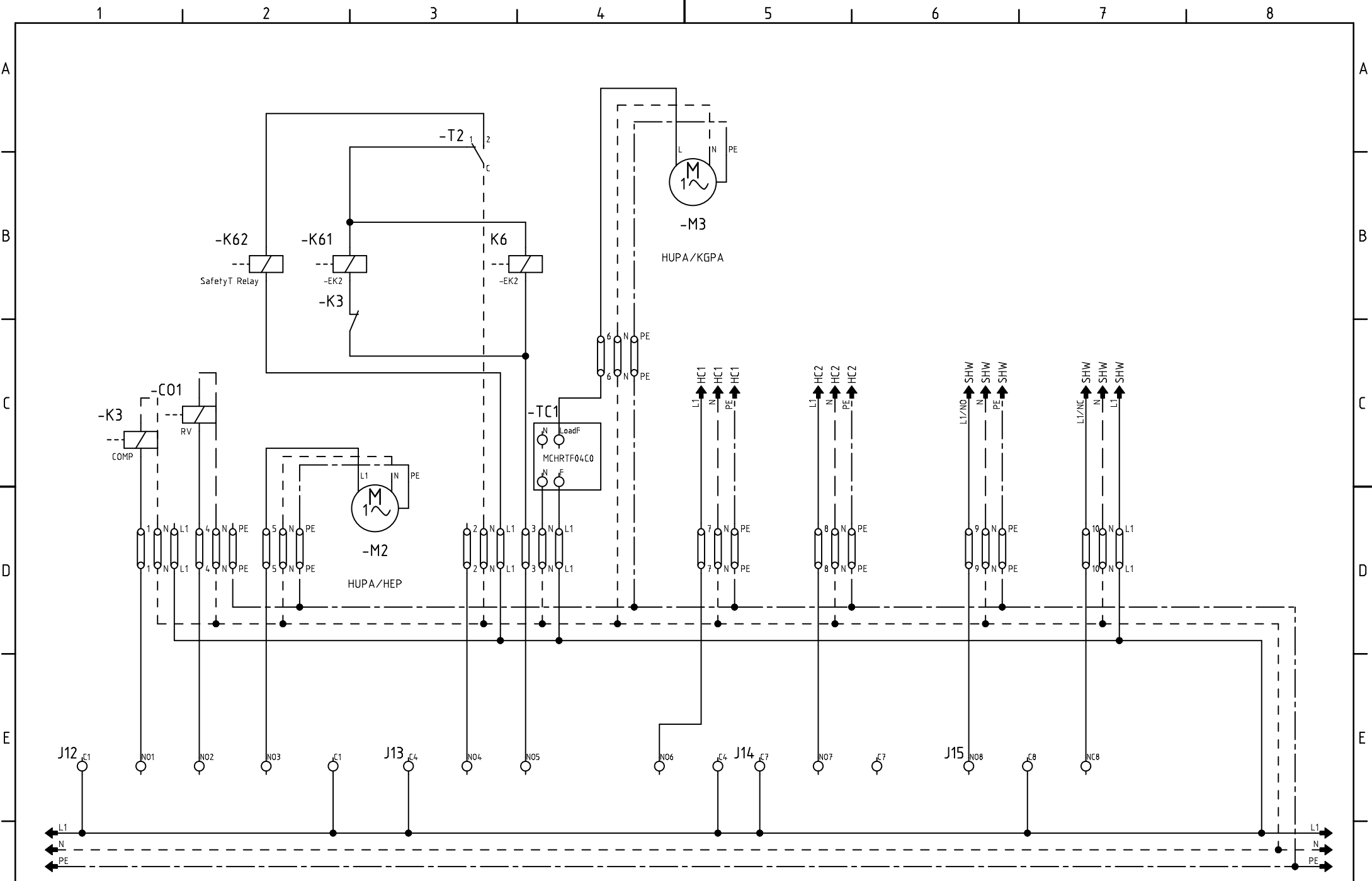
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A4
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Drawn by Ing. Jirka Jiranek
Date 19.05.2012
Checked
Date

TITLE
 AquaMaster AQ22/30/45I

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Project AquaMaster	Print Date 21.05.2012	
CUSTOMERS DRAWING No 4602	-	
Dwg No. 4602/1	Sheet 1 of	Rev 00



ECN No.	Date	Name

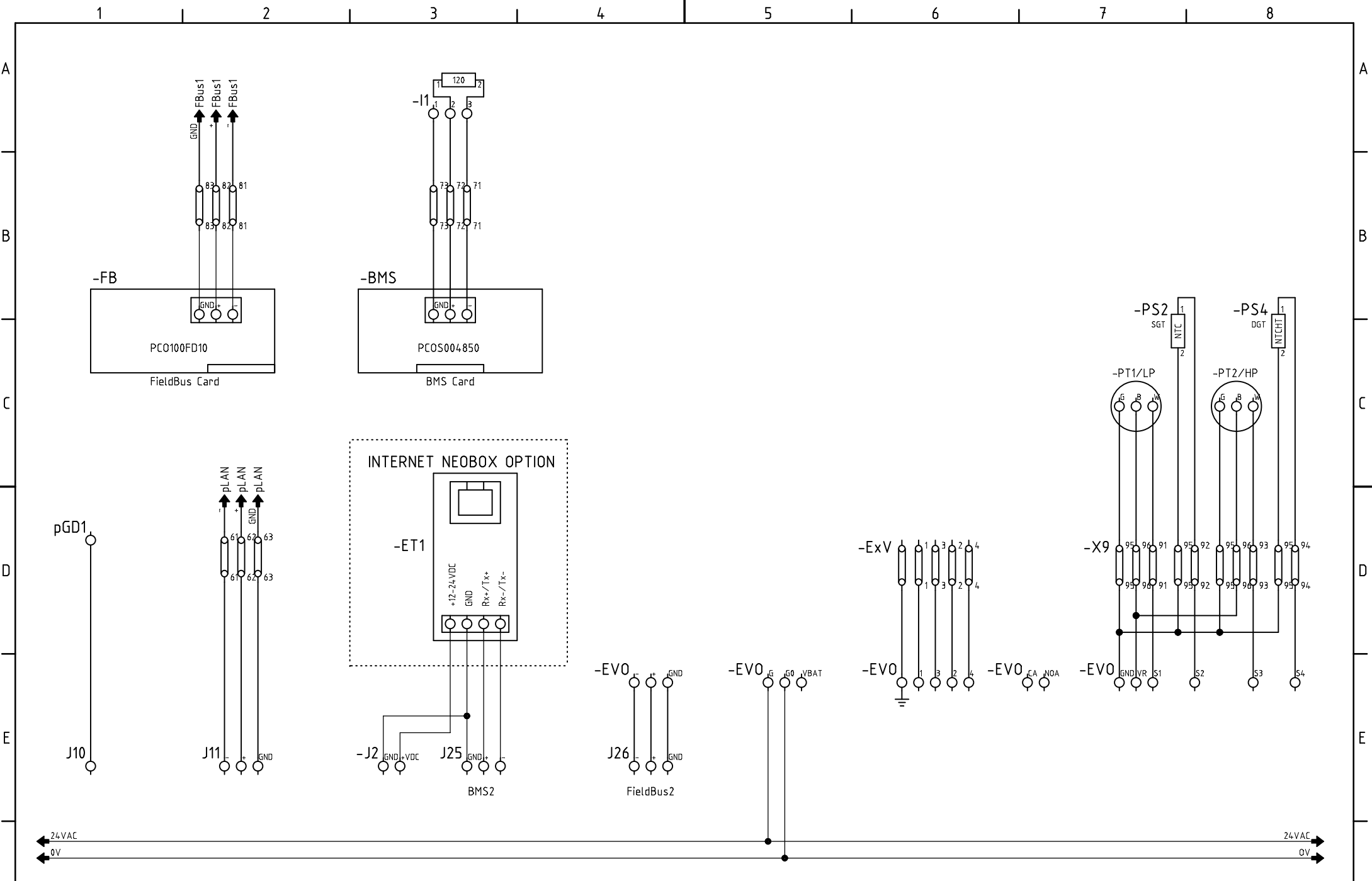
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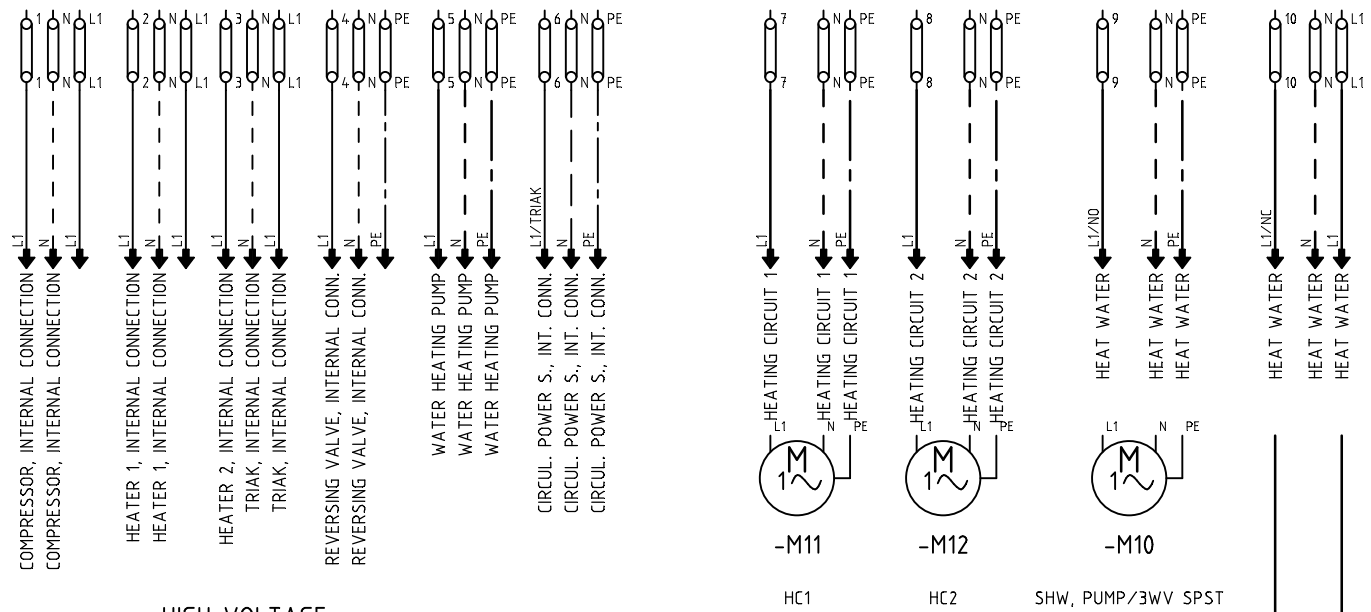
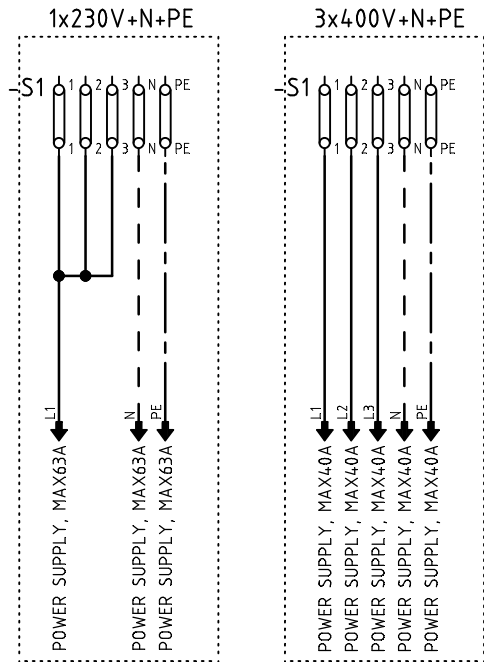
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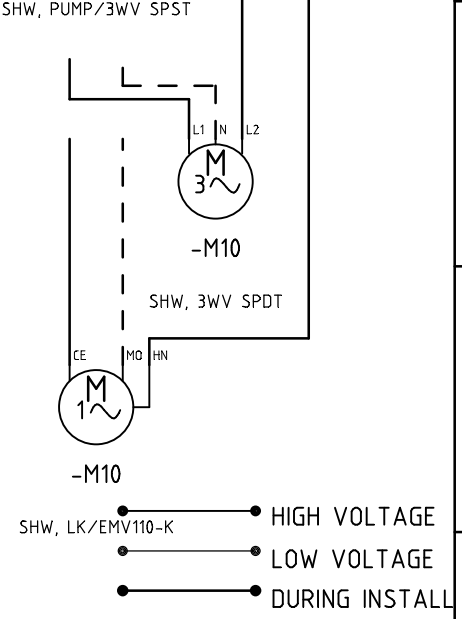
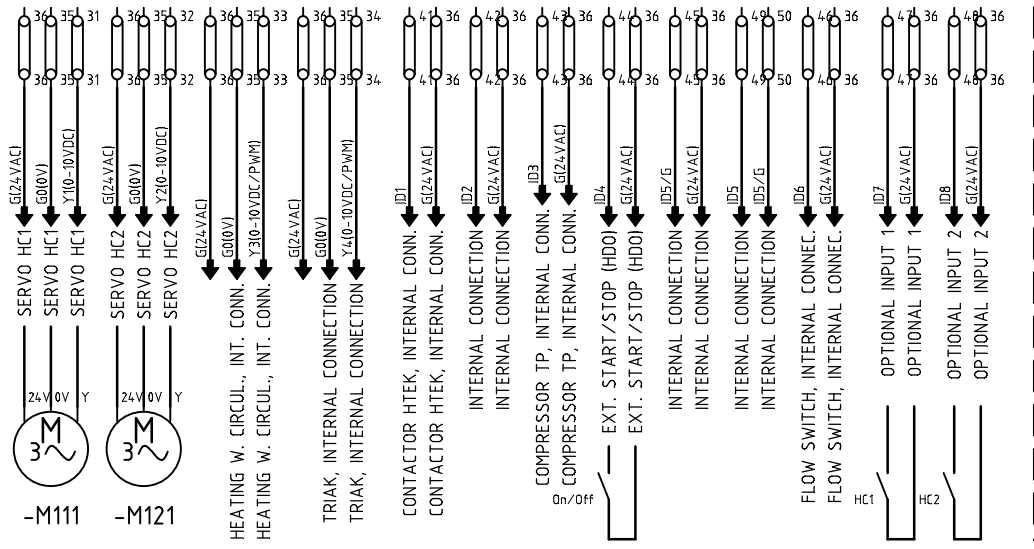
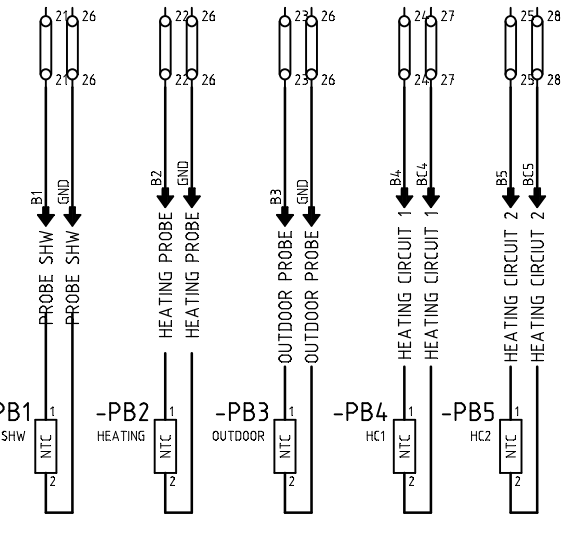
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POWER SUPPLY



HIGH VOLTAGE

LOW VOLTAGE



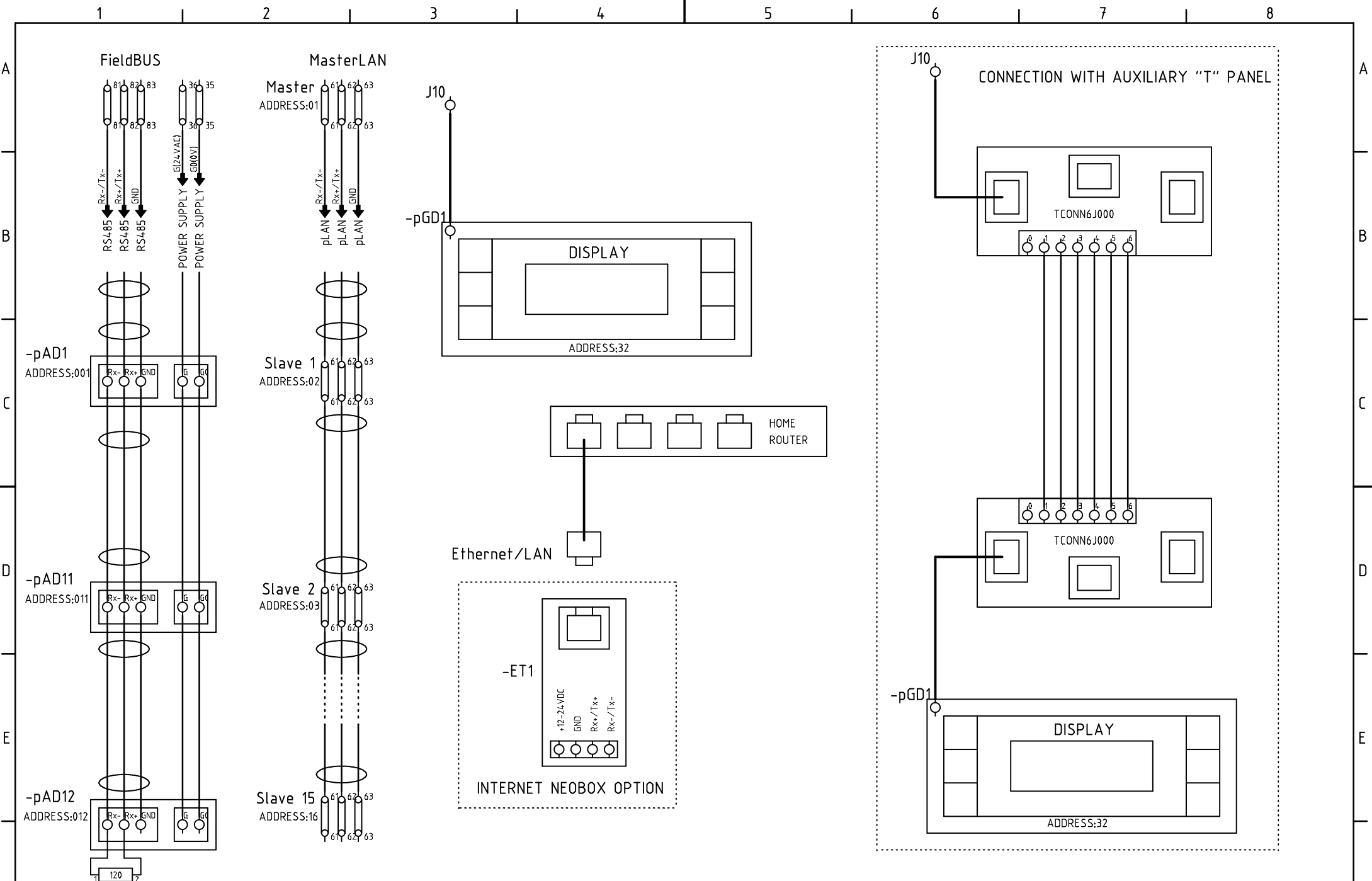
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