

END USER

JOB ORDER

SWITCHBOARD

Kuadri Kryesor Spitali

SWITCHBOARD CHARACTERISICS

UPSTREAM PLANT
[PE-K]

VOLTAGE [V]

400

FREQ. [Hz]

50

SWITCHBOARD RATED CURRENT [A]

SWITCHBOARD PERSPECTIVE CURRENT [kA]

29,8

NEUTRAL SYSTEM

TNS

BUSBAR SIZE

In [A]

Isc [kA]

STRUCTURE

INSULATION CLASS

IP

REFERENCE STANDARD

MOULDED CASE CIRCUIT BREAKERS

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— IEC EN 60947-2

MINIATURE CIRCUIT BREAKERS

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— IEC EN 60947-2

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— IEC EN 60898

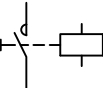
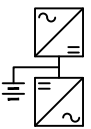
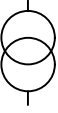
STRUCTURE

☒

— IEC EN 61439-1

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SYMBOLS

 CIRCUIT BREAKER	 DISCONNECTOR	 SWITCH-DISCONNECTOR	 THERMAL PROTECTION	 MAGNETIC PROTECTION	 RESIDUAL CURRENT PROTECTION	 OVERLOAD CUT OUT	 FUSE	 TOROID	 MANUAL CONTROL
 AUTOMATIC CONTROL	 TRIP FREE	 ROTARY HANDLE	 INTERLOCK	 REMOVABLE/WITHDRAWAL EQUIPMENT	 KEYLOCK OFF POSITION	 KEYLOCK ON POSITION	 AUXILIARY CONTAC	 UNDERVOLTAGE RELEASE	 SHUNT RELEASE
 CHANGE OVER SWITCH (FOR MEASUREMENT)	 AMMETER	 VOLTMETER	 FREQUENCY METER	 METER	 NO CONTACTS CONTACTOR	 MANUAL CONTROL CONTACTOR	 NC CONTACTS CONTACTOR	 IMPULSE RELAY	 CLOCK
 TWILIGHT SWITCH	 ASTRONOMIC CLOCK	 UNINTERRUPTED POWER SYSTEM (UPS)	 SOCKET	 INTERLOCKED SOCKET WITH FUSES	 SOFT STARTER	 VARIABLE SPEED DRIVE	 STAR DELTA STARTER	 TRANSFORMER	 SURGE PROTECTIVE DEVICE

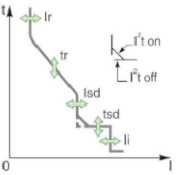
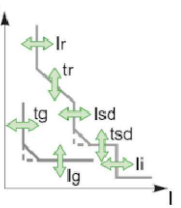
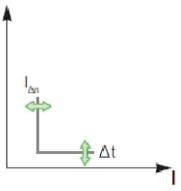
BASE NOTE



- A complete reading of all the project drawings is necessary for the correct interpretation of the drawings and plants.
- The technical characteristics indicated on the drawing are the minimum required.
- The voltage drops shown are the overall ones from the LV side of the transformers or the incoming power line.
- The currents indicated for the UPS supply , take into account the batteries power consumption and the UPS efficiency.

MicroLogic, MicroLogic X and ETS Electronic Trip Unit identification and description:

EN

Legend of abbreviations		MicroLogic 6.3 E-M (ComPacT NSX)				MicroLogic 5.0 H (ComPacT NS)				MicroLogic 2.0 X (MasterPacT MTZ)				ETS 2.2 (EasyPacT CVS)			
C.B. Type (Y) 2 = ComPacT NSX / CVS up to 250A 3 = ComPacT NSX / CVS 400-630 A 0 = ComPacT NS / MasterPacT MTZ	Type of protection (W) 1 SI 2 LS _I 4 LS _I /R 5 LS _I 6 LSIG 7 LSIR	 (Y)=C.B. Type (Z)=Type of Measurement (K)=Application (W)=Type of protection				 (Y)=C.B. Type (Z)=Type of Measurement (W)=Type of protection				 (Y)=C.B. Type (J)=Type of Technology (W)=Type of protection				 (Y)=C.B. Type (W)=Type of protection			
	Type of Measurement (Z) A = Ammeter E = Energy P = Power H = Harmonics																
Type of Technology (J) X = Bluetooth / NFC																	
Application (K) Distribution G = Generator AB = Subscriber M = Motor AL = Alarm without trip for earth-leakage protection		Electronic Trip Unit Type															
		MicroLogic 1.3 M	SI	3	-	M	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic 2.2 G	LS _I /	2	-	G	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic 2.3	LS _I /	3	-	Distribution	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic 2.3 M	LS _I /	3	-	M	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic Vigi 4.2	LS _I /R	2	-	Distribution + earth Leakage	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic Vigi 4.3 AL	LS _I /	3	-	Distribution + earth Leakage	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic 5.2 A	LSI	2	A	Distribution	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic 5.3 E	LSI	3	E	Distribution	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic 6.3 E-M	LSIG	3	E	M	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic Vigi 7.2 E-AL	LSI	2	E	Distribution + earth Leakage	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic Vigi 7.3 E	LSIR	3	E	Distribution + earth Leakage	-	-	-	-	-	-	-	-	-	-	-
		MicroLogic 2.0	-	-	-	-	LI	0	-	-	-	-	-	-	-	-	-
		MicroLogic 5.0	-	-	-	-	LSI	0	-	-	-	-	-	-	-	-	-
		MicroLogic 2.0 A	-	-	-	-	LI	0	A	-	-	-	-	-	-	-	-
		MicroLogic 5.0 A	-	-	-	-	LSI	0	A	-	-	-	-	-	-	-	-
		MicroLogic 6.0 A	-	-	-	-	LSIG	0	A	-	-	-	-	-	-	-	-
		MicroLogic 7.0 A	-	-	-	-	LSIR	0	A	-	-	-	-	-	-	-	-
		MicroLogic 2.0 E	-	-	-	-	LI	0	E	-	-	-	-	-	-	-	-
		MicroLogic 5.0 E	-	-	-	-	LSI	0	E	-	-	-	-	-	-	-	-
		MicroLogic 6.0 E	-	-	-	-	LSIG	0	E	-	-	-	-	-	-	-	-
		MicroLogic 5.0 P	-	-	-	-	LSI	0	P	-	-	-	-	-	-	-	-
		MicroLogic 6.0 P	-	-	-	-	LSIG	0	P	-	-	-	-	-	-	-	-
		MicroLogic 7.0 P	-	-	-	-	LSIR	0	P	-	-	-	-	-	-	-	-
		MicroLogic 5.0 H	-	-	-	-	LSI	0	H	-	-	-	-	-	-	-	-
		MicroLogic 6.0 H	-	-	-	-	LSIG	0	H	-	-	-	-	-	-	-	-
		MicroLogic 7.0 H	-	-	-	-	LSIR	0	H	-	-	-	-	-	-	-	-
		MicroLogic 2.0 X	-	-	-	-	-	-	-	LI	0	X	-	-	-	-	-
		MicroLogic 5.0 X	-	-	-	-	-	-	-	LSI	0	X	-	-	-	-	-
		MicroLogic 6.0 X	-	-	-	-	-	-	-	LSIG	0	X	-	-	-	-	-
		MicroLogic 7.0 X	-	-	-	-	-	-	-	LSIR	0	X	-	-	-	-	-
		ETS 2.2	-	-	-	-	-	-	-	-	-	-	-	LS _I /	2	-	-
		ETS 2.3	-	-	-	-	-	-	-	-	-	-	-	LS _I /	3	-	-

CUSTOMER

PROJECT Panelet Shenkoll

FILE panelet [Q01] [KE-K-S].dwg

ARCHIVE

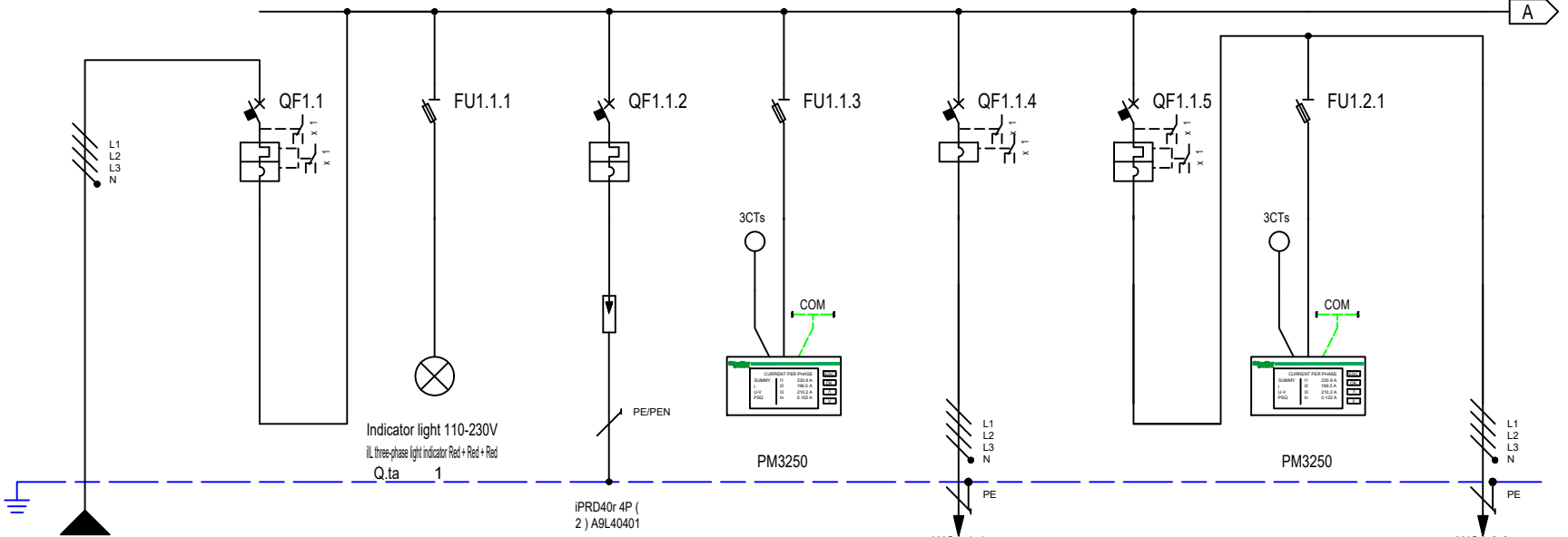
DATE 25/04/2026 REVISION R0.0

DESIGNER

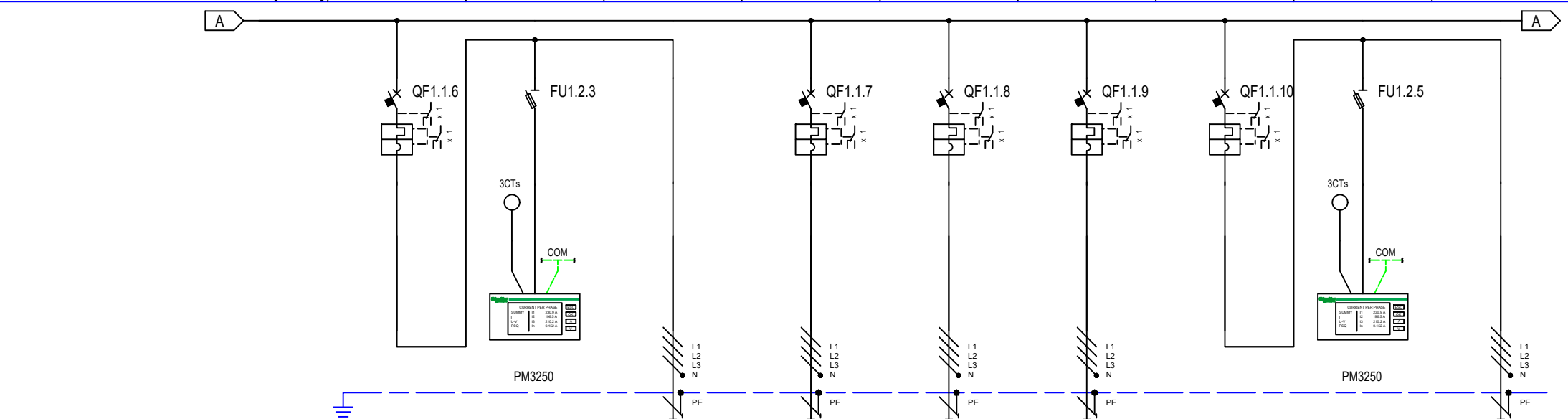
PAGE 2 NEXT

PLANT

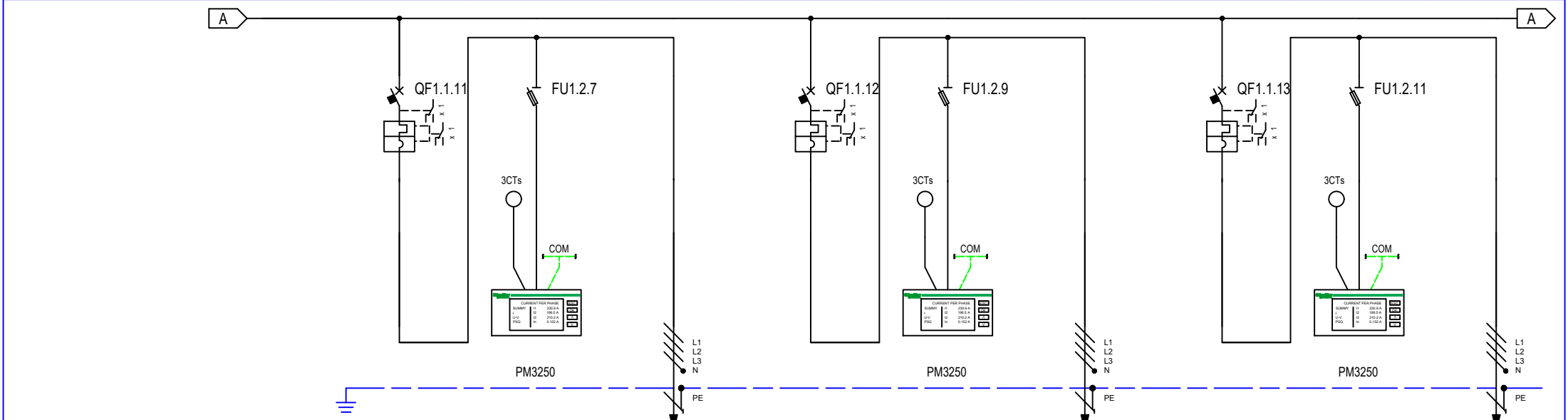
TABLE



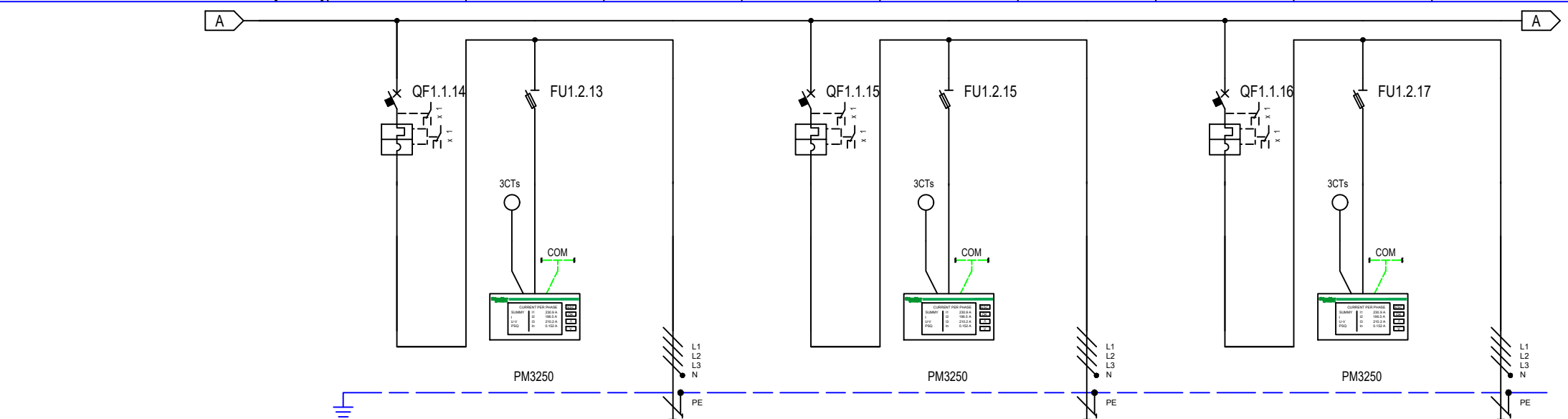
TERMINALS NUMBERING										WC1.1.4										WC1.2.2											
CIRCUIT NUMBERING				DISTRIBUTION			L1L2L3NPE	1		2	L1L2L3NPE	3	L1L2L3NPE	4	L1L2L3NPE	5	L1L2L3NPE	6	L1L2L3NPE	7	L1L2L3NPE	8	L1L2L3NPE								
CIRCUIT DESCRIPTION						Automatoi Kryesor		Automatoi Kryesor		Llamp Sinjali		SPD		Mates Energjie		KE-MKZ-S Pompa MKZ		KE-HVAC-S Paneli i HVAC		Mates Energjie		8									
EQUIPMENT								ComPacT NS1250 N		FUSE BASE		NG125 L		FUSE BASE		ComPacT NSX160 F		ComPacT NSX630 N		FUSE BASE											
CIRCUIT BREAKER DISCONNECTOR SWITCH	Icu [kA] / Icn [A]							50				50				36		50													
	N. POLES		In [A]					4P		1250		4P		63				4P		150		4P		630							
	CURVE/TRIPPING UNIT							Micrologic 2.0				C						MA >=100A		Micrologic 2.3											
	I _r [A]		tr [s]					1250				63								630											
	tsd [s]		Isd [xIn / A]					10x				630						14x		2100		10x									
li [xln]																															
GROUND FAULT PROTECTION		Ig [A]		tg [s]																											
RESIDUAL CURRENT DEVICE	N. POLES		In [A]		CLASS																										
	Idn [A]		tdn [ms]																												
	MODEL																														
CONTACTOR	TYPE		CLASS																												
IMPULSE RELAY	COIL		N. POLES		In [A]																										
THERMAL RELAY	TYPE		I _{rt} [A]																												
FUSE OR OTHER DEVICES	N. POLES		In [A]		Icu [kA]				3P+N		2		100		3P+N		2		100		3P+N		2		100						
	MODEL		SIZE							STI32		10x38				STI32		10x38				STI32		10x38							
CONDUCTORS	INSULATION		MATERIAL		INST.METHOD		XLPE		Copper		70 - D1				XLPE		Copper		2 - A2				XLPE		Copper		31 - E				
	CROSS SECTION PHASE-N-PE/PEN [mmq]					8x240		4x240		4x240						1x70		1x70		1x70				3x240		2x240		2x240			
	I _b [A]		P _n [kW]			1090		707,46				707,46						96,2		60		231				370,5		231			
	U _n [V]		I _z [A]			400		2202,2										400		164						400		1323,5			
BOTTOM OF THE LINE	I _{cc} min [kA]		I _{cc} max [kA]			13,5		29,8										3,2		12,8						10,7		26,8			
	LENGTH [m]		dV TOTAL [%]			163		1,3										50		2						30		1,5			
	CABLE DESIGNATION					FG16OM16-0,6/1 kV - Cca-s1b,d1,a1										FTG18OM16-0,6/1kV - B2ca-s1a,d1,a1					FG16OM16-0,6/1 kV - Cca-s1b,d1,a1										



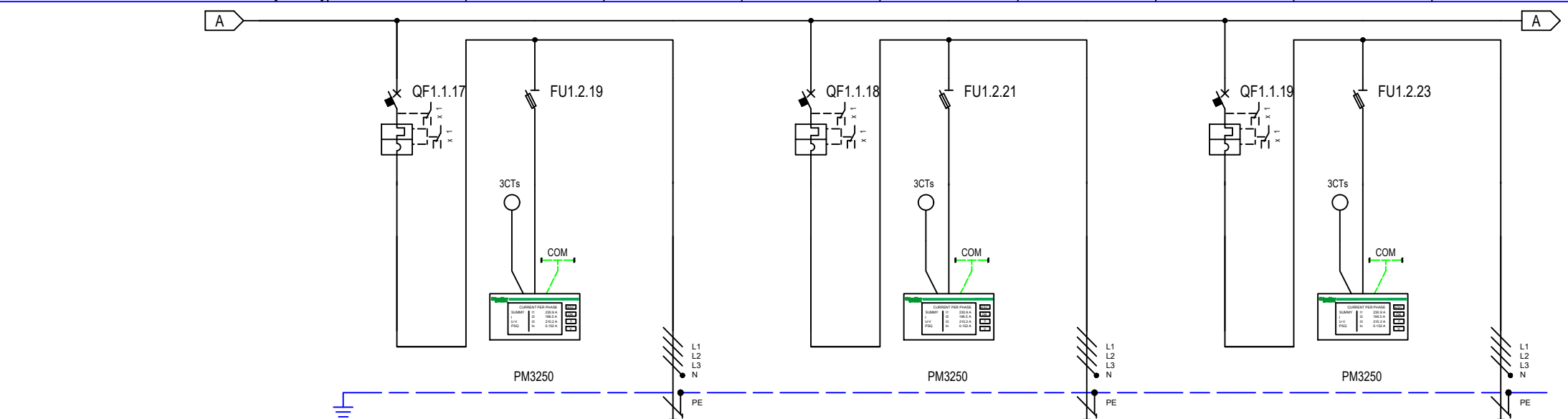
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CIRCUIT NUMBERING		DISTRIBUTION		9		L1L2L3NPE		10		L1L2L3NPE		11		L1L2L3NPE		12		L1L2L3NPE		13		L1L2L3NPE		14		L1L2L3NPE		15		L1L2L3NPE		16		L1L2L3NPE		17		L1L2L3NPE					
CIRCUIT DESCRIPTION				KE-HT-S Paneli Hidroteknik				Mates Energjie				11				Pompe Nxehtesie Kati 0				Njesi Ajri Salle Operacioni Femra				Njesi Ajri Salle Operacioni Meshkuj				KE-SR-S Server Room				Mates Energjie				17							
EQUIPMENT				NG125 H				FUSE BASE								ComPacT NSX250 F				NG125 H				NG125 H				NG125 H				NG125 H				FUSE BASE							
CIRCUIT BREAKER DISCONNECTOR SWITCH	Icu [kA] / Icn [A]			36										36				36				36				36				36													
	N. POLES		In [A]		4P		80								4P		250		4P		40		4P		40		4P		80														
	CURVE/TRIPPING UNIT			C										Micrologic 2.2				C				C				C																	
	Ir [A]		tr [s]		80										200				40				40				80																
	tsd [s]		Isd [xIn / A]		800										10x				400				400				800																
Ii [xIn]																																											
GROUND FAULT PROTECTION		Ig [A]		tg [s]																																							
RESIDUAL CURRENT DEVICE	N. POLES		In [A]		CLASS																																						
	Idn [A]		tdn [ms]																																								
	MODEL																																										
CONTACTOR	TYPE		CLASS																																								
IMPULSE RELAY	COIL		N. POLES		In [A]																																						
THERMAL RELAY	TYPE		Irth [A]																																								
FUSE OR OTHER DEVICES	N. POLES		In [A]		Icu [kA]				3P+N		2		100																		3P+N		2		100								
	MODEL		SIZE						SBI50		14x51																				STI32		10x38										
CONDUCTORS	INSULATION		MATERIAL		INST.METHOD								XLPE		Copper		2 - A2		XLPE		Copper		2 - A2		XLPE		Copper		2 - A2		XLPE		Copper		2 - A2								
	CROSS SECTION PHASE-N-PE/PEN [mmq]												1x35		1x16		1x16		1x120		1x70		1x70		1x16		1x16		1x16		1x16		1x16		1x16								
	Ib [A]			Pn [kW]			31,11						56,1		31,11		88,2		55		17,6		11		17,6		11		25,27						37,1		25,27						
	Un [V]			Iz [A]									400		109		400		227		400		68		400		68						400		92,7								
BOTTOM OF THE LINE	Icc min [kA]			Icc max [kA]									1,3		8,8		5		19,2		1,3		5,9		1,3		5,9						1,7		7,4								
	LENGTH [m]			dV TOTAL [%]									45		1,9		34		1,6		34		1,6		34		1,6						40		1,9								
	CABLE DESIGNATION								FG160M16-0,6/1 KV - Cca-s1b,d1,a1				FG160M16-0,6/1 KV - Cca-s1b,d1,a1				FG160M16-0,6/1 KV - Cca-s1b,d1,a1				FG160M16-0,6/1 KV - Cca-s1b,d1,a1				FG160M16-0,6/1 KV - Cca-s1b,d1,a1				FG160M16-0,6/1 KV - Cca-s1b,d1,a1				FG160M16-0,6/1 KV - Cca-s1b,d1,a1										



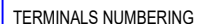
TERMINALS NUMBERING				WC1.2.8								WC1.2.10								WC1.2.12																			
CIRCUIT NUMBERING		DISTRIBUTION		18		L1L2L3NPE		19		L1L2L3NPE		20		L1L2L3NPE		21		L1L2L3NPE		22		L1L2L3NPE		23		L1L2L3NPE		24		L1L2L3NPE		25		L1L2L3NPE		26		L1L2L3NPE	
CIRCUIT DESCRIPTION				KE-(-1)-S Kati (-1)				Mates Energjie				20				KE-S/O-S Skaner Onkologji				Mates Energjie				23				KE-CT/S-S CT/Skaner				Mates Energjie				26			
EQUIPMENT				ComPacT NSX160 F				FUSE BASE								ComPacT NSX250 F				FUSE BASE								ComPacT NSX250 F				FUSE BASE							
CIRCUIT BREAKER DISCONNECTOR SWITCH	Icu [kA] / Icn [A]			36										36												36													
	N. POLES		In [A]	4P		160								4P		250										4P		250											
	CURVE/TRIPPING UNIT			Micrologic 2.2								Micrologic 2.2								Micrologic 2.2																			
	I _r [A]		tr [s]	112,5										200												250													
	tsd [s]		Isd [xIn / A]			10x										10x												10x											
	Ii [xIn]																																						
GROUND FAULT PROTECTION		Ig [A]		tg [s]																																			
RESIDUAL CURRENT DEVICE	N. POLES		In [A]	CLASS																																			
	Idn [A]		tdn [ms]																																				
	MODEL																																						
CONTACTOR	TYPE		CLASS																																				
IMPULSE RELAY	COIL		N. POLES	In [A]																																			
THERMAL RELAY	TYPE		I _r th [A]																																				
FUSE OR OTHER DEVICES	N. POLES		In [A]	Icu [kA]					3P+N	2	100							3P+N	2	100									3P+N	2	100								
	MODEL		SIZE						STI32	10x38								STI32	10x38										STI32	10x38									
CONDUCTORS	INSULATION	MATERIAL	INST.METHOD							XLPE	Copper	31 - E					XLPE	Copper	31 - E									XLPE	Copper	31 - E									
	CROSS SECTION PHASE-N-PE/PEN [mmq]									1x50	1x50	1x50					1x95	1x95	1x95									1x120	1x120	1x120									
BOTTOM OF THE LINE	I _b [A]		P _n [kW]		31,21				47,5		31,21		102,5				149,4		102,5		128,13						186,8		128,13										
	U _n [V]		I _z [A]						400		140,2						400		217,5								400		252,6										
	I _{cc} min [kA]		I _{cc} max [kA]						2,3		9,9						3,8		14								4,4		15,4										
	LENGTH [m]		dV TOTAL [%]						54		1,8						55		2,2								55		2,2										
	CABLE DESIGNATION							FG160M16-0,6/1 kV - Cca-s1b,d1,a1								FG160M16-0,6/1 kV - Cca-s1b,d1,a1								FG160M16-0,6/1 kV - Cca-s1b,d1,a1															



TERMINALS NUMBERING				WC1.2.14										WC1.2.16										WC1.2.18																	
CIRCUIT NUMBERING				DISTRIBUTION		27		L1L2L3NPE		28		L1L2L3NPE		29		L1L2L3NPE		30		L1L2L3NPE		31		L1L2L3NPE		32		L1L2L3NPE		33		L1L2L3NPE		34		L1L2L3NPE		35		L1L2L3NPE	
CIRCUIT DESCRIPTION				KE-XR-S XRAY				Mates Energjie				29				KE-O-S Sallat e Operacionit				Mates Energjie				32				KE-0/1-S Kati 0 Seksioni 1				Mates Energjie				35					
EQUIPMENT				ComPacT NSX160 F				FUSE BASE				NG125 H				FUSE BASE								ComPacT NSX160 F				FUSE BASE													
CIRCUIT BREAKER DISCONNECTOR SWITCH	Icu [kA] / Icn [A]			36												36												36													
	N. POLES		In [A]		4P		160						4P		63										4P		100														
	CURVE/TRIPPING UNIT			Micrologic 2.2												C												Micrologic 2.2													
	I _r [A]		tr [s]		125								63												100		10x														
	tsd [s]		Isd [xIn / A]				10x						630														10x														
Ii [xIn]																																									
GROUND FAULT PROTECTION		Ig [A]		tg [s]																																					
RESIDUAL CURRENT DEVICE	N. POLES		In [A]		CLASS																																				
	Idn [A]		tdn [ms]																																						
	MODEL																																								
CONTACTOR	TYPE		CLASS																																						
IMPULSE RELAY	COIL		N. POLES		In [A]																																				
THERMAL RELAY	TYPE		I _{rth} [A]																																						
FUSE OR OTHER DEVICES	N. POLES		In [A]		Icu [kA]				3P+N		2		100				3P+N		2		100								3P+N		2		100								
	MODEL		SIZE				STI32		10x38						STI32		10x38										STI32		10x38												
CONDUCTORS	INSULATION		MATERIAL		INST.METHOD						XLPE		Copper		31 - E				XLPE		Copper		31 - E						XLPE		Copper		31 - E								
	CROSS SECTION PHASE-N-PE/PEN [mmq]							1x50		1x50		1x50				1x25		1x25		1x25						1x50		1x35		1x35											
	I _b [A]		P _n [kW]		50,07				73		50,07		25,38				37		25,38		16,83						25,4		16,83												
	U _n [V]		I _z [A]				400		140,2						400		92,7						400		140,2																
	I _{cc} min [kA]		I _{cc} max [kA]				2,2		9,5						1,2		5,4						1,9		9,6																
BOTTOM OF THE LINE	LENGTH [m]		dV TOTAL [%]				57		2,1						58		2,2										56		1,6												
	CABLE DESIGNATION							FG160M16-0,6/1 kV - Cca-s1b,d1,a1								FG160M16-0,6/1 kV - Cca-s1b,d1,a1								FG160M16-0,6/1 kV - Cca-s1b,d1,a1																	

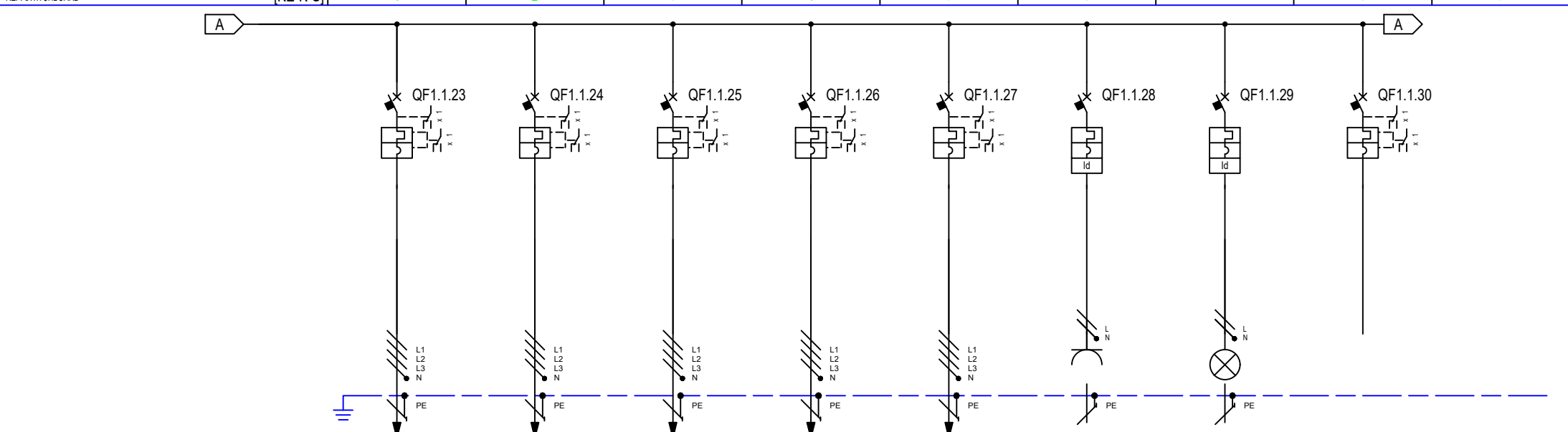


TERMINALS NUMBERING				WC1.2.20										WC1.2.22						WC1.2.24									
CIRCUIT NUMBERING		DISTRIBUTION		36	L1L2L3NPE	37	L1L2L3NPE	38	L1L2L3NPE	39	L1L2L3NPE	40	L1L2L3NPE	41	L1L2L3NPE	42	L1L2L3NPE	43	L1L2L3NPE	44	L1L2L3NPE								
CIRCUIT DESCRIPTION				KE-0/2-S Kati 0 Seksioni 2		Mates Energjie		38		KE-01-S Kati 1		Mates Energjie		41		KE-1-ICU/F-S Kati 1 ICU Femra		Mates Energjie		44									
EQUIPMENT				ComPacT NSX160 F		FUSE BASE				ComPacT NSX250 F		FUSE BASE				NG125 H		FUSE BASE											
CIRCUIT BREAKER DISCONNECTOR SWITCH	Icu [kA] / Icn [A]			36						36						36													
	N. POLES		In [A]	4P	100					4P	250					4P	40												
	CURVE/TRIPPING UNIT			Micrologic 2.2						Micrologic 2.2						C													
	Ir [A]		tr [s]	100							250					40													
	tsd [s]		Isd [xIn / A]	10x								10x					400												
li [xIn]																													
GROUND FAULT PROTECTION				Ig [A]		tg [s]																							
RESIDUAL CURRENT DEVICE	N. POLES		In [A]	CLASS																									
	Idn [A]		tdn [ms]																										
	MODEL																												
CONTACTOR		TYPE		CLASS																									
IMPULSE RELAY		COIL		N. POLES		In [A]																							
THERMAL RELAY		TYPE		Irth [A]																									
FUSE OR OTHER DEVICES	N. POLES		In [A]	Icu [kA]				3P+N	2	100			3P+N	2	100			3P+N	2	100									
	MODEL		SIZE				STI32		10x38				STI32		10x38				STI32		10x38								
CONDUCTORS	INSULATION		MATERIAL		INST.METHOD						XLPE	Copper	31 - E			XLPE	Copper	31 - E			XLPE	Copper	31 - E						
	CROSS SECTION PHASE-N-PE/PEN [mmq]										1x50	1x35	1x35			1x150	1x150	1x150			1x25	1x25	2x25						
	Ib [A]			Pn [kW]			16,83				25,4	16,83	48,33				72,8	48,33	14,05				20,8	14,05					
	Un [V]			Iz [A]							400	140,2					400	291,3					400	92,7					
BOTTOM OF THE LINE	Icc min [kA]			Icc max [kA]							2	10,1					4,9	16,3					0,8	3,9					
	LENGTH [m]			dV TOTAL [%]							52	1,6					56	1,6					83	2					
	CABLE DESIGNATION								FG16OM16-0,6/1 kV - Cca-s1b,d1,a1								FG16OM16-0,6/1 kV - Cca-s1b,d1,a1								FG16OM16-0,6/1 kV - Cca-s1b,d1,a1				

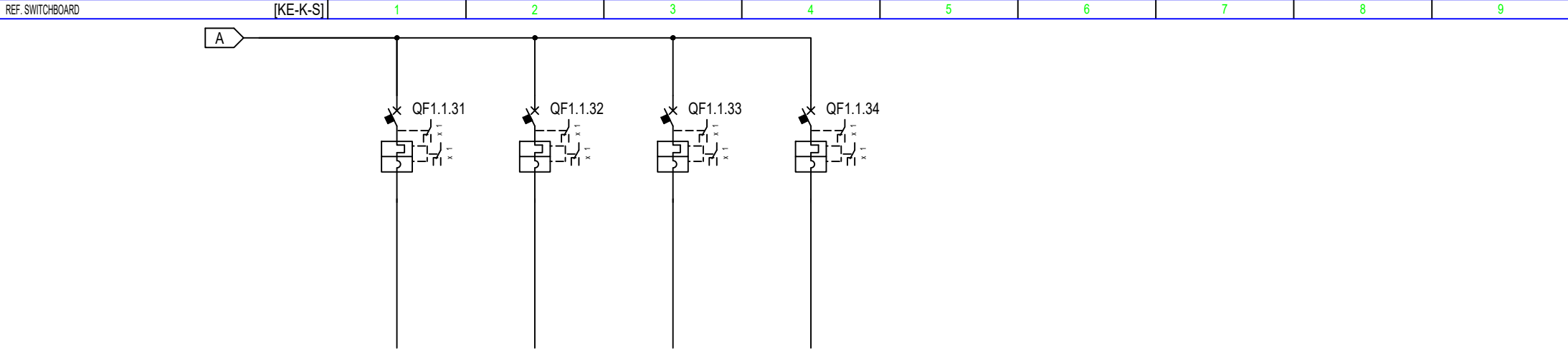


BOTTOM OF THE LINE

CUSTOMER	PROJECT	Panelet Shenkoll		FILE	panelet [Q01] [KE-K-S].dwg	
	ARCHIVE	-	DATE	25/04/2026	REVISION	R0.0
	DESIGNER	-	PAGE	8	NEXT	
PLANT				DRAWING		



TERMINALS NUMBERING				WC1.1.23			WC1.1.24			WC1.1.25			WC1.1.26			WC1.1.27			WC1.1.28			WC1.1.29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
CIRCUIT NUMBERING		DISTRIBUTION		54		L1L2L3NPE		55		L1L2L3NPE		56		L1L2L3NPE		57		L1L2L3NPE		58		L1L2L3NPE		59		L2NPE		60		L3NPE		61		L1L2L3NPE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
CIRCUIT DESCRIPTION				Paneli i Oksigjenit				Ashensor 1				Ashensor 2				Ashensor 3				Ashensor 4				Prize Ambienti Teknik				Ndricim Ambienti Teknik				Rezerve																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
EQUIPMENT				ComPacT NSX250 F				NG125 H				NG125 H				NG125 H				NG125 H				iC60 N				iC60 N				ComPacT NSX160 F																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
CIRCUIT BREAKER DISCONNECTOR SWITCH	Icu [kA] / Icn [A]			36				36				36				36				36				20				20				36																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	N. POLES		In [A]		4P		250		4P		25		4P		25		4P		25		4P		25		2P		16		2P		16		4P		160																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	CURVE/TRIPPING UNIT			Micrologic 2.2				C				C				C				C				C				C				Micrologic 2.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	I _r [A]		tr [s]		250				25				25				25				25				16				16				160																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	tsd [s]		lsd [xIn / A]				10x		250				250				250				250				160				160						10x																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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GROUND FAULT PROTECTION		Ig [A]		tg [s]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
RESIDUAL CURRENT DEVICE	N. POLES		In [A]		CLASS																				AC				AC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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CONTACTOR	TYPE		CLASS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
IMPULSE RELAY	COIL		N. POLES		In [A]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
THERMAL RELAY	TYPE		I _{rth} [A]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
FUSE OR OTHER DEVICES	N. POLES		In [A]		Icu [kA]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	MODEL			SIZE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
CONDUCTORS	INSULATION		MATERIAL		INST.METHOD		XLPE		Copper		2 - A2		XLPE		Copper		5 - B2		XLPE		Copper		5 - B2		XLPE		Copper		5 - B2		XLPE		Copper		5 - B2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	CROSS SECTION PHASE-N-PE/PEN [mmq]						1x185		1x185		1x185		1x6		1x6		1x6		1x6		1x6		1x6		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10		1x10



TERMINALS NUMBERING																																									
CIRCUIT NUMBERING				DISTRIBUTION		62		L1L2L3NPE		63		L1L2L3NPE		64		L1L2L3NPE		65		L1L2L3NPE																					
CIRCUIT DESCRIPTION						Rezerve				Rezerve				Rezerve				Rezerve																							
EQUIPMENT						ComPacT NSX160 F				NG125 L				NG125 L				NG125 L																							
CIRCUIT BREAKER DISCONNECTOR SWITCH	Icu [kA] / Icn [A]					36				50				50				50																							
	N. POLES		In [A]			4P		160		4P		63		4P		25		4P		25																					
	CURVE/TRIPPING UNIT					Micrologic 2.2				C				C				C																							
	I _r [A]		tr [s]			125				63				25				25																							
	tsd [s]		Isd [xIn / A]					10x		630				250				250																							
Ii [xIn]																																									
GROUND FAULT PROTECTION				I _g [A]		tg [s]																																			
RESIDUAL CURRENT DEVICE	N. POLES		In [A]		CLASS																																				
	Idn [A]		tdn [ms]																																						
	MODEL																																								
CONTACTOR	TYPE		CLASS																																						
IMPULSE RELAY	COIL		N. POLES		In [A]																																				
THERMAL RELAY	TYPE		I _{rth} [A]																																						
FUSE OR OTHER DEVICES	N. POLES		In [A]		Icu [kA]																																				
	MODEL		SIZE																																						
CONDUCTORS	INSULATION		MATERIAL		INST.METHOD																																				
	CROSS SECTION PHASE-N-PE/PEN [mmq]																																								
	I _b [A]		P _n [kW]																																						
	Un [V]		I _z [A]																																						
BOTTOM OF THE LINE	I _{cc} min [kA]		I _{cc} max [kA]																																						
	LENGTH [m]		dV TOTAL [%]																																						
	CABLE DESIGNATION																																								

				CUSTOMER				PROJECT Panelet Shenkoll				FILE panelet [Q01] [KE-K-S].dwg			
								ARCHIVE -				DATE 25/04/2026			
								DESIGNER -				PAGE 10			
				PLANT								DRAWING			