

END USER

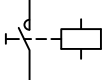
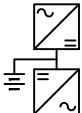
JOB ORDER

SWITCHBOARD
Sallat e Operacionit

SWITCHBOARD CHARACTERISICS

UPSTREAM PLANT [KE-K-S]	
VOLTAGE [V]	400
FREQ. [Hz]	50
SWITCHBOARD RATED CURRENT [A]	
SWITCHBOARD PERSPECTIVE CURRENT [kA]	5,4
NEUTRAL SYSTEM	
TNS	
BUSBAR SIZE	
In [A]	Isc [kA]
STRUCTURE	
INSULATION CLASS	IP

REFERENCE STANDARD	
MOULDED CASE CIRCUIT BREAKERS	☒ — IEC EN 60947-2
MINIATURE CIRCUIT BREAKERS	☒ — IEC EN 60947-2
	☐ — IEC EN 60898
STRUCTURE	☒ — IEC EN 61439-1
	☐

REF. SWITCHBOARD	[KE-O-S]	1	2	3	4	5	6	7	8	9
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 CONTACT	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	
			CUSTOMER			PROJECT Panelet Shenkoll	FILE panelet [Q20] [KE-O-S].dwg			
						ARCHIVE	- DATE 25/04/2026	REVISION	R0.0	
						DESIGNER	- PAGE 1a	NEXT		
			PLANT			DRAWING				

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				Type of protection (W) I = Instantaneous L = Long-time S ₀ = Short-time (time delay cannot be adjusted) S = Short-time G = Ground-fault R = Earth-leakage (residual)				Type of protection (W) I = Instantaneous L = Long-time S ₀ = Short-time (time delay cannot be adjusted) S = Short-time G = Ground-fault R = Earth-leakage (residual)				Type of protection (W) I = Instantaneous L = Long-time S ₀ = Short-time (time delay cannot be adjusted) S = Short-time G = Ground-fault R = Earth-leakage (residual)			
Type of Measurement (Z) A = Ammeter E = Energy P = Power H = Harmonics		Type of Technology (J) X = Bluetooth / NFC				Type of Technology (J) X = Bluetooth / NFC				Type of Technology (J) X = Bluetooth / NFC				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				Electronic Trip Unit Type				Electronic Trip Unit Type				Electronic Trip Unit Type			
LSI		MicroLogic 1.3 M				MicroLogic 1.3 M				MicroLogic 1.3 M				MicroLogic 1.3 M			
LSIG		MicroLogic 2.2 G				MicroLogic 2.2 G				MicroLogic 2.2 G				MicroLogic 2.2 G			
LSIR		MicroLogic 2.3				MicroLogic 2.3				MicroLogic 2.3				MicroLogic 2.3			
LSI		MicroLogic 2.3 M				MicroLogic 2.3 M				MicroLogic 2.3 M				MicroLogic 2.3 M			
LSIG		MicroLogic Vigi 4.2				MicroLogic Vigi 4.2				MicroLogic Vigi 4.2				MicroLogic Vigi 4.2			
LSIR		MicroLogic Vigi 4.3 AL				MicroLogic Vigi 4.3 AL				MicroLogic Vigi 4.3 AL				MicroLogic Vigi 4.3 AL			
LSI		MicroLogic 5.2 A				MicroLogic 5.2 A				MicroLogic 5.2 A				MicroLogic 5.2 A			
LSIG		MicroLogic 5.3 E				MicroLogic 5.3 E				MicroLogic 5.3 E				MicroLogic 5.3 E			
LSIR		MicroLogic 6.3 E-M				MicroLogic 6.3 E-M				MicroLogic 6.3 E-M				MicroLogic 6.3 E-M			
LSI		MicroLogic Vigi 7.2 E-AL				MicroLogic Vigi 7.2 E-AL				MicroLogic Vigi 7.2 E-AL				MicroLogic Vigi 7.2 E-AL			
LSIG		MicroLogic Vigi 7.3 E				MicroLogic Vigi 7.3 E				MicroLogic Vigi 7.3 E				MicroLogic Vigi 7.3 E			
LSIR		MicroLogic 2.0				MicroLogic 2.0				MicroLogic 2.0				MicroLogic 2.0			
LSI		MicroLogic 5.0				MicroLogic 5.0				MicroLogic 5.0				MicroLogic 5.0			
LSIG		MicroLogic 2.0 A				MicroLogic 2.0 A				MicroLogic 2.0 A				MicroLogic 2.0 A			
LSIR		MicroLogic 5.0 A				MicroLogic 5.0 A				MicroLogic 5.0 A				MicroLogic 5.0 A			
LSI		MicroLogic 6.0 A				MicroLogic 6.0 A				MicroLogic 6.0 A				MicroLogic 6.0 A			
LSIG		MicroLogic 7.0 A				MicroLogic 7.0 A				MicroLogic 7.0 A				MicroLogic 7.0 A			
LSIR		MicroLogic 2.0 E				MicroLogic 2.0 E				MicroLogic 2.0 E				MicroLogic 2.0 E			
LSI		MicroLogic 5.0 E				MicroLogic 5.0 E				MicroLogic 5.0 E				MicroLogic 5.0 E			
LSIG		MicroLogic 6.0 E				MicroLogic 6.0 E				MicroLogic 6.0 E				MicroLogic 6.0 E			
LSIR		MicroLogic 5.0 P				MicroLogic 5.0 P				MicroLogic 5.0 P				MicroLogic 5.0 P			
LSI		MicroLogic 6.0 P				MicroLogic 6.0 P				MicroLogic 6.0 P				MicroLogic 6.0 P			
LSIG		MicroLogic 7.0 P				MicroLogic 7.0 P				MicroLogic 7.0 P				MicroLogic 7.0 P			
LSIR		MicroLogic 5.0 H				MicroLogic 5.0 H				MicroLogic 5.0 H				MicroLogic 5.0 H			
LSI		MicroLogic 6.0 H				MicroLogic 6.0 H				MicroLogic 6.0 H				MicroLogic 6.0 H			
LSIG		MicroLogic 7.0 H				MicroLogic 7.0 H				MicroLogic 7.0 H				MicroLogic 7.0 H			
LSIR		MicroLogic 2.0 X				MicroLogic 2.0 X				MicroLogic 2.0 X				MicroLogic 2.0 X			
LSI		MicroLogic 5.0 X				MicroLogic 5.0 X				MicroLogic 5.0 X				MicroLogic 5.0 X			
LSIG		MicroLogic 6.0 X				MicroLogic 6.0 X				MicroLogic 6.0 X				MicroLogic 6.0 X			
LSIR		MicroLogic 7.0 X				MicroLogic 7.0 X				MicroLogic 7.0 X				MicroLogic 7.0 X			
LSI		ETS 2.2				ETS 2.2				ETS 2.2				ETS 2.2			
LSIG		ETS 2.3				ETS 2.3				ETS 2.3				ETS 2.3			

CUSTOMER

PROJECT Panelet Shenkoll

FILE panelet [Q20] [KE-O-S].dwg

ARCHIVE

DATE 25/04/2026

REVISION R0.0

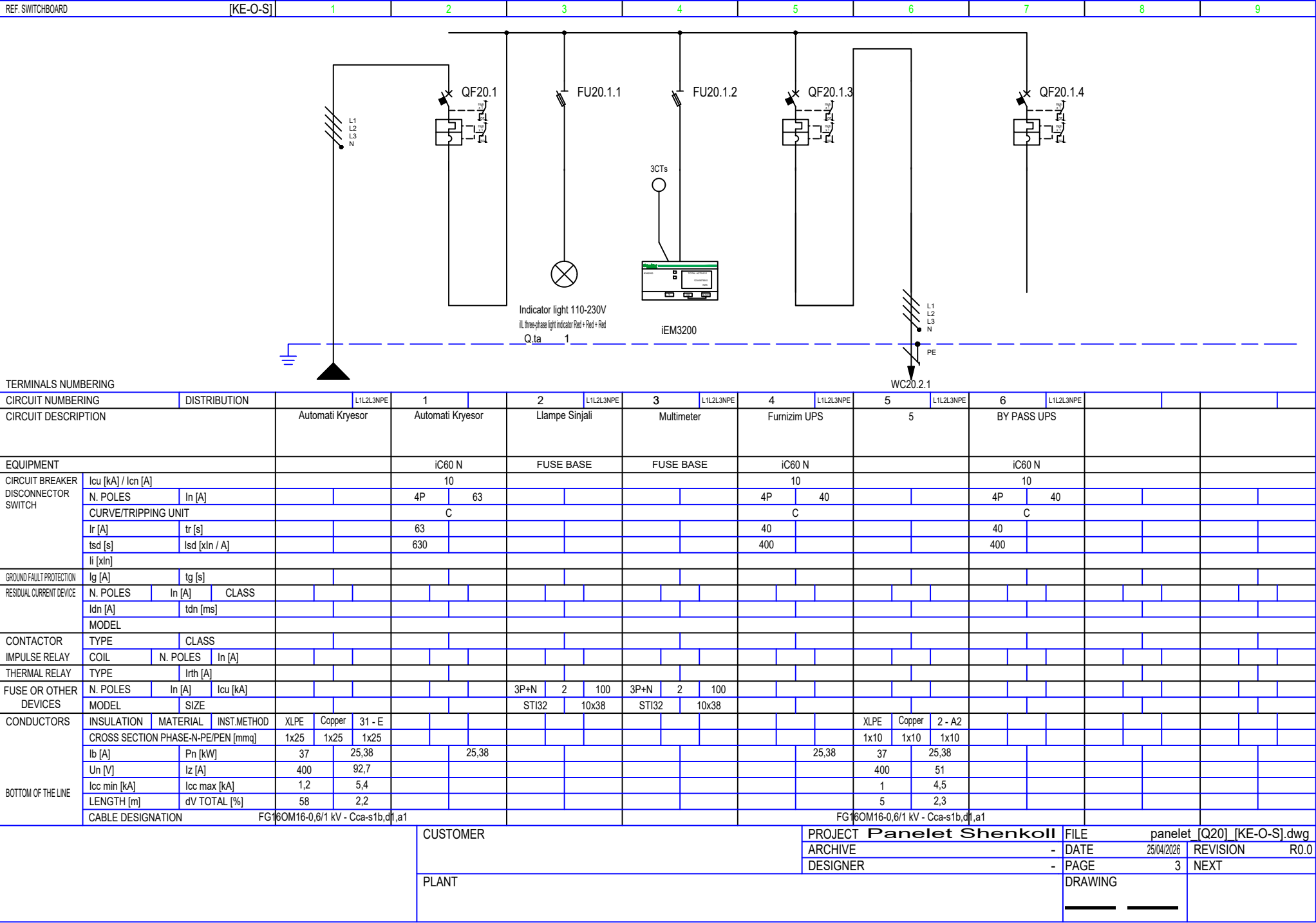
DESIGNER

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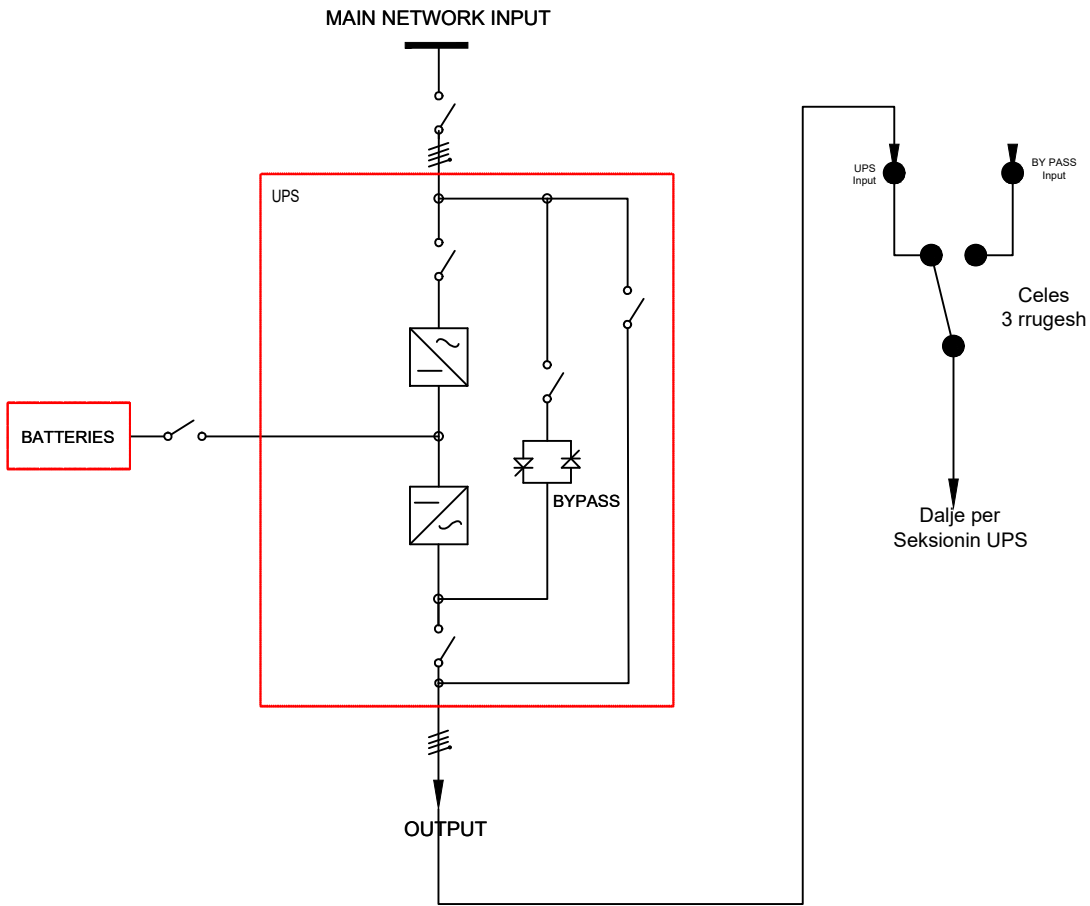
PLANT

TABLE



MODEL	Easy UPS 3S
RATED POWER An [kVA]	20
RATED POWER Pn [kW]	20
BATTERY TYPE	Hermetic Lead long life
BATTERY LIFE [min]	60
THDI [%]	4
TYPE OF TECHNOLOGY	on-line
VOLTAGE IN [V]	400
VOLTAGE OUT [V]	400
EFFICIENCY	0,96
EFFICIENCY EConversion	N/A
NETWORK CARD	Yes
AUX CONTACTS CARD	Yes

CONFIGURATION WITH SINGLE
ELECTRIC NETWORK



	CLIENT	PROJECT	Panelet Shenkoll		FILE	panelet [Q21] [UPS Salla e Operacionit].dwg	
		ARCHIVE	-	DATE	25/04/2026	REVISION	R0.0
	PLANT	DESIGNER	-	PAGE	9	NEXT	10
		DRAWING					

END USER

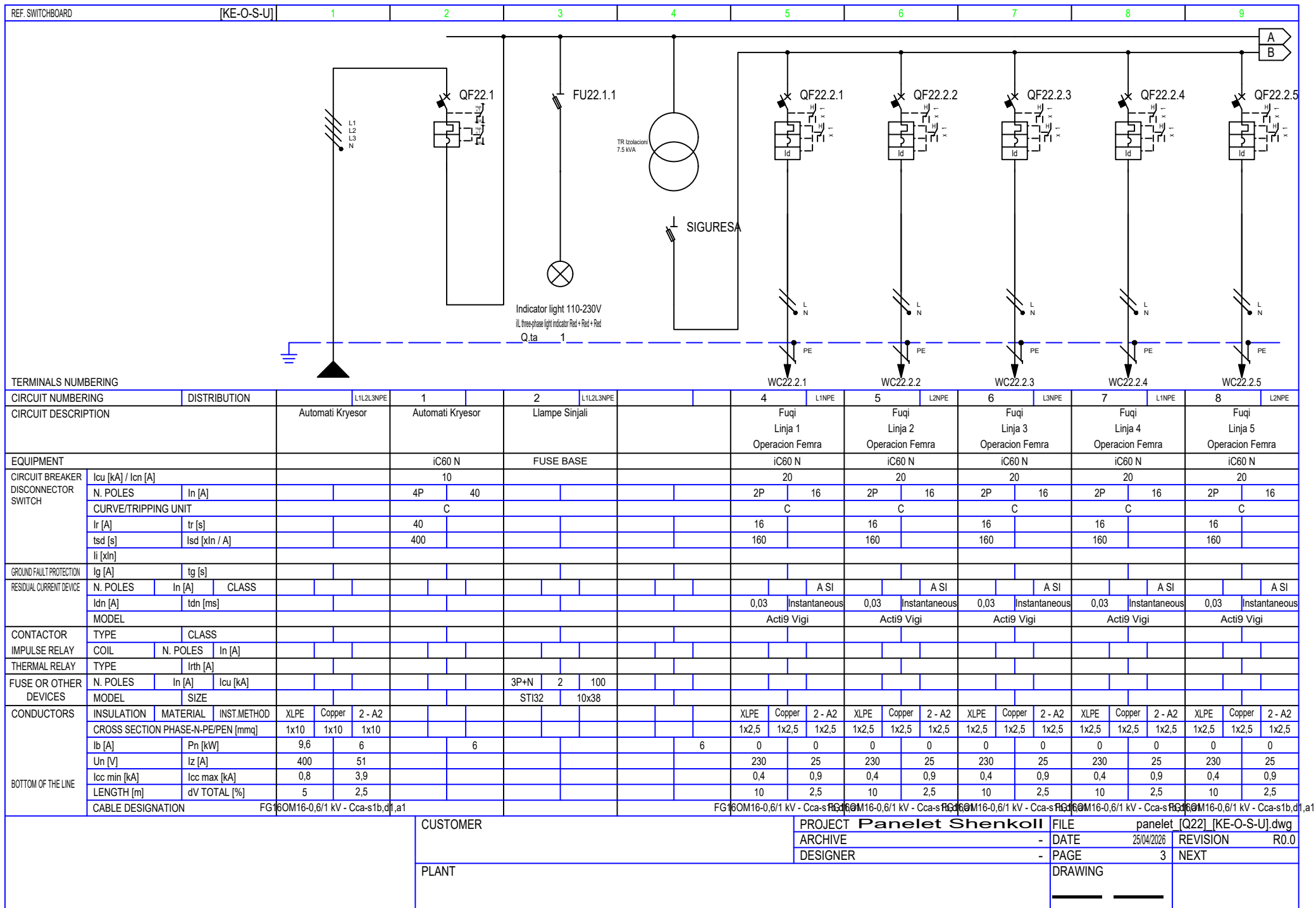
JOB ORDER

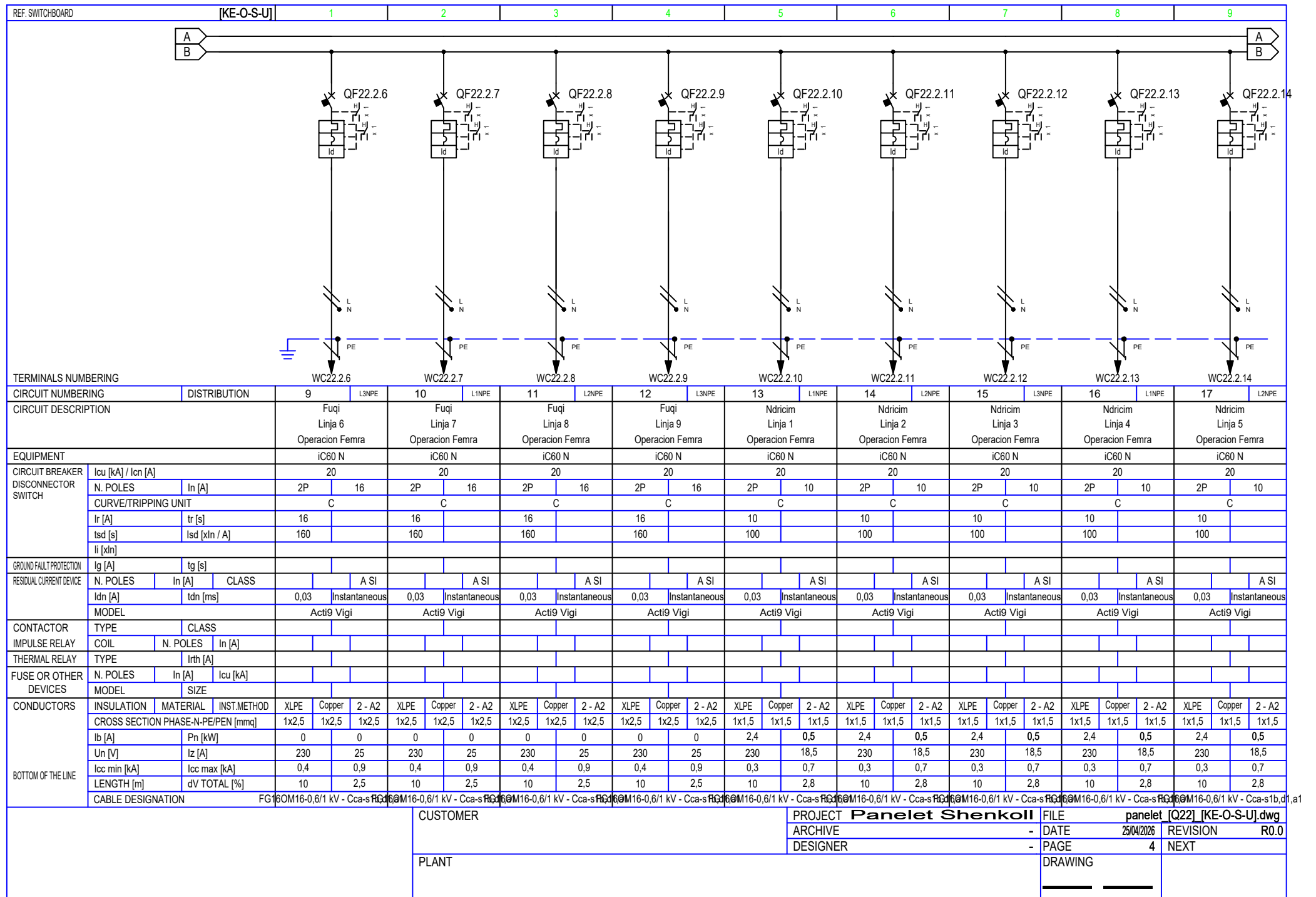
SWITCHBOARD
Salla e Operacionit

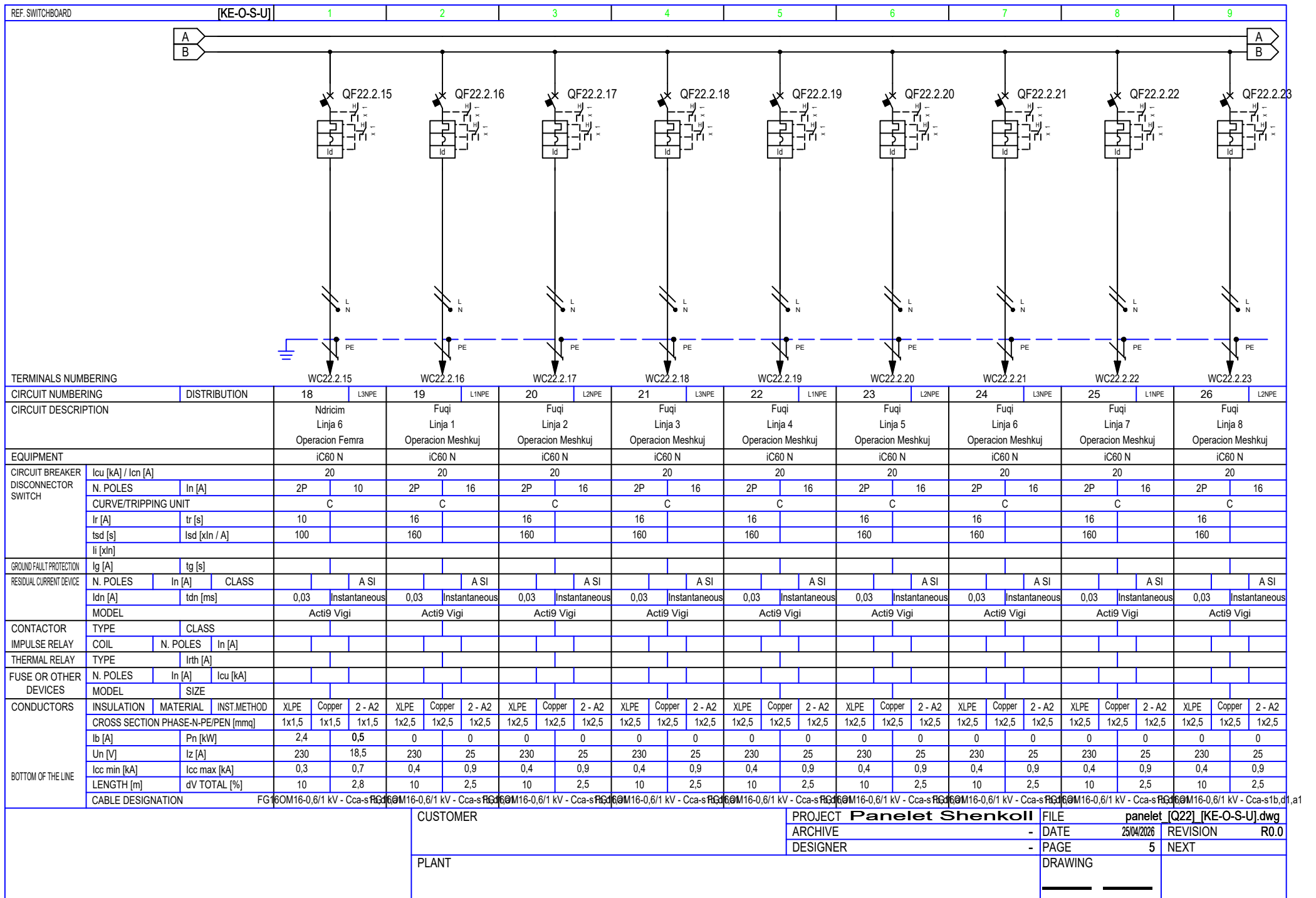
SWITCHBOARD CHARACTERISICS

UPSTREAM PLANT			
[UPS Salla e Operacionit]			
VOLTAGE [V]	400	FREQ. [Hz]	50
SWITCHBOARD RATED CURRENT [A]			
SWITCHBOARD PERSPECTIVE CURRENT [kA]			3,9
NEUTRAL SYSTEM			TNS
BUSBAR SIZE			
In [A]		Isc [kA]	
STRUCTURE			
INSULATION CLASS			IP

REFERENCE STANDARD	
MOULDED CASE CIRCUIT BREAKERS	☒ — IEC EN 60947-2
MINIATURE CIRCUIT BREAKERS	☒ — IEC EN 60947-2
	☐ — IEC EN 60898
STRUCTURE	☒ — IEC EN 61439-1
	☐ []







REF. SWITCHBOARD		[KE-O-S-U]		1	2	3	4	5	6	7	8	9																																																																																																																																																																																																																																															
TERMINALS NUMBERING		WC22.2.24		WC22.2.25		WC22.2.26		WC22.2.27		WC22.2.28		WC22.2.29		WC22.2.30																																																																																																																																																																																																																																													
CIRCUIT NUMBERING		DISTRIBUTION		27		L3NPE		28		L1NPE		29		L2NPE		30		L3NPE		31		L1NPE		32		L2NPE		33		L3NPE																																																																																																																																																																																																																													
CIRCUIT DESCRIPTION				Fuji Linja 9 Operacion Meshkuj				Ndrim Linja 1 Operacion Meshkuj				Ndrim Linja 2 Operacion Meshkuj				Ndrim Linja 3 Operacion Meshkuj				Ndrim Linja 4 Operacion Meshkuj				Ndrim Linja 4 Operacion Meshkuj				Ndrim Linja 5 Operacion Meshkuj																																																																																																																																																																																																																															
EQUIPMENT				iC60 N				iC60 N				iC60 N				iC60 N				iC60 N				iC60 N				iC60 N																																																																																																																																																																																																																															
CIRCUIT BREAKER DISCONNECTOR SWITCH	Icu [kA] / Icn [A]				20				20				20				20				20				20				20																																																																																																																																																																																																																														
	N. POLES		In [A]		2P		16		2P		10		2P		10		2P		10		2P		10		2P		10		2P		10																																																																																																																																																																																																																												
	CURVE/TRIPPING UNIT				C				C				C				C				C				C				C																																																																																																																																																																																																																														
	I _r [A]		t _r [s]		16				10				10				10				10				10				10																																																																																																																																																																																																																														
	t _{sd} [s]		I _{sd} [xIn / A]		160				100				100				100				100				100				100																																																																																																																																																																																																																														
GROUND FAULT PROTECTION RESIDUAL CURRENT DEVICE	I _g [A]		t _g [s]																																																																																																																																																																																																																																																								
	N. POLES		In [A]		CLASS				A SI				A SI				A SI				A SI				A SI				A SI																																																																																																																																																																																																																														
	I _{dn} [A]		t _{dn} [ms]		0,03		Instantaneous		0,03		Instantaneous		0,03		Instantaneous		0,03		Instantaneous		0,03		Instantaneous		0,03		Instantaneous		0,03		Instantaneous																																																																																																																																																																																																																												
MODEL				Acti9 Vigi				Acti9 Vigi				Acti9 Vigi				Acti9 Vigi				Acti9 Vigi				Acti9 Vigi				Acti9 Vigi																																																																																																																																																																																																																															
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		2 - A2		XLPE		Copper		2 - A2		XLPE		Copper		2 - A2		XLPE		Copper		2 - A2																																																																																																																																																																																																																							
		CROSS SECTION PHASE-N-PE/PEN [mmq]		1x2,5		1x2,5		1x2,5		1x1,5		1x1,5		1x1,5		1x1,5		1x1,5		1x1,5		1x1,5		1x1,5		1x1,5		1x1,5		1x1,5		1x1,5		1x1,5		1x1,5																																																																																																																																																																																																																							
		I _b [A]		P _n [kW]				0		0		2,4		0,5		2,4		0,5		2,4		0,5		2,4		0,5		2,4		0,5		2,4		0,5																																																																																																																																																																																																																									
		U _n [V]		I _z [A]				230		25		230		18,5		230		18,5		230		18,5		230		18,5		230		18,5		230		18,5																																																																																																																																																																																																																									
		I _{cc} min [kA]		I _{cc} max [kA]				0,4		0,9		0,3		0,7		0,3		0,7		0,3		0,7		0,3		0,7		0,3		0,7		0,3		0,7																																																																																																																																																																																																																									
BOTTOM OF THE LINE		LENGTH [m]		dV TOTAL [%]				10		2,5		10		2,8		10		2,8		10		2,8		10		2,8		10		2,8		10		2,8																																																																																																																																																																																																																									
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		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		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																																																																																																																																																																																																																			