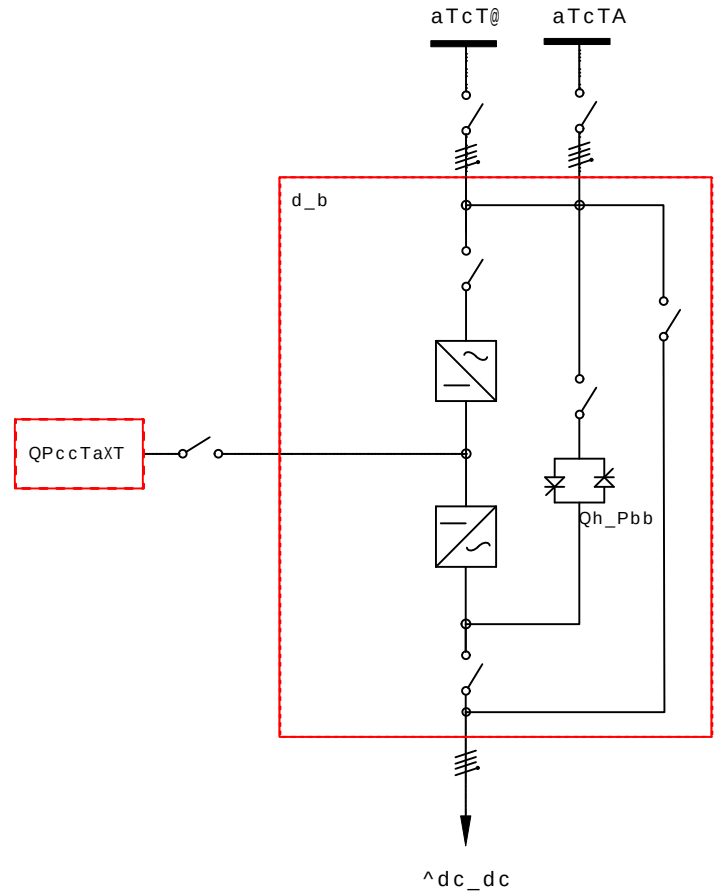
| | |
|---|---|
| MODEL | Easy UPS 3S |
| RATED POWER An [kVA] | 10 |
| BATTERY RUNTIME [min] | 10 |
| THDI [%] | Hermetic Lead long life |
| TYPE OF TECHNOLOGY | 45 |
| VOLTAGE IN [V] | 3 |
| VOLTAGE OUT [V] | on-line |
| EFFICIENCY | 400 |
| | 400 |
| | 0,96 |
| | N/A |
| | Yes |
| | Yes |

R^]UXVdaPiX^]T R^]
aTcT@ T aTcTA




| | | | | | |
|---|---|---|---|---|---|
| CLIENT | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri,_[Q45]_[UPS Dh.S O.4].dwg |
| | | ARCHIVE | - | DATE | 01/07/2024 |
| | | DESIGNER | - | PAGE | 10 |
| | | | | REVISION | R0.0 |
| | | | | NEXT | 11 |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit | DRAWING | | | |

END USER

# Objekti "Poli i Ri Teknologjise se Informacionit

dhe Sigurise Kibernetike"

Sauk, Tirane

JOB ORDER

## Fondi Shqiptar i Zhvillimit

SWITCHBOARD

## Paneli Elektrik UPS Objekti 4 - Dhoma e Serverit

### SWITCHBOARD CHARACTERISICS

| | | | |
|---|---|---|---|
| UPSTREAM PLANT<br>[UPS Dh.S O.4]<br>Tirane | | | |
| VOLTAGE [V] | 400 | FREQ. [Hz] | 50 |
| SWITCHBOARD RATED CURRENT [A] | | | |
| SWITCHBOARD PERSPECTIVE CURRENT [kA] | | | 2,5 |
| NEUTRAL SYSTEM | | | TNS |
| BUSBAR SIZE<br>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 |
| | ☐ | |

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| | | | | | |
|---|---|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri, _[Q46]_[P.E.UPS.O4-Dh.S].dwg |
| | | ARCHIVE | BD-2024 | DATE 01/07/2024 | REVISION 00 |
| | | DESIGNER | Besart DALLIU | PAGE 1 | NEXT |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | 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:

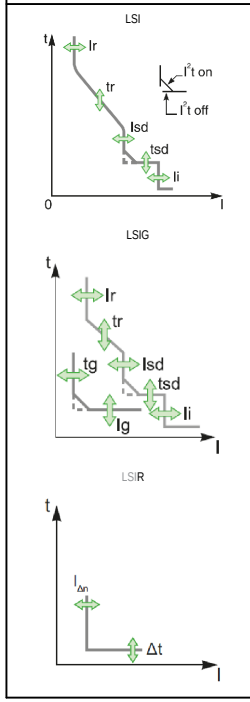
EN

**MicroLogic 6.3 E-M ( ComPacT NSX )** — (Y)=C.B. Type; (Z)=Type of Measurement; (W)=Type of protection; (K)=Application

**MicroLogic 5.0 H ( ComPacT NS )** — (Y)=C.B. Type; (Z)=Type of Measurement; (W)=Type of protection

**MicroLogic 2.0 X ( MasterPacT MTZ )** — (Y)=C.B. Type; (J)=Type of Technology; (W)=Type of protection

**ETS 2.2 ( EasyPacT CVS )** — (Y)=C.B. Type; (W)=Type of protection




| | MicroLogic 6.3 E-M ( ComPacT NSX ) | | | | MicroLogic 5.0 H ( ComPacT NS ) | | | | MicroLogic 2.0 X ( MasterPacT MTZ ) | | | | ETS 2.2 ( EasyPacT CVS ) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (W) | (Y) | (Z) | (K) | (W) | (Y) | (Z) | | (W) | (Y) | (J) | | (W) | (Y) | | |
| a lÔÑl2[2ƎlÔ HlΛn a | SI | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛo D | $LS_0I$ | 2 | - | G | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛn | $LS_0I$ | 3 | - | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛn a | $LS_0I$ | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±ƎI pΛo | $LS_0IR$ | 2 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±ƎI pΛn ![ | $LS_0I$ | 3 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛo ! | LSI | 2 | A | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛn 9 | LSI | 3 | E | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛn 9ρ a | LSIG | 3 | E | M | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±ƎI yΛo 9ρ ![ | LSI | 2 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±ƎI yΛn 9 | LSIR | 3 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛM | - | - | - | - | LI | 0 | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM | - | - | - | - | LSI | 0 | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛM ! | - | - | - | - | LI | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM ! | - | - | - | - | LSI | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛM ! | - | - | - | - | LSIG | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ yΛM ! | - | - | - | - | LSIR | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛM 9 | - | - | - | - | LI | 0 | E | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM 9 | - | - | - | - | LSI | 0 | E | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛM 9 | - | - | - | - | LSIG | 0 | E | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM t | - | - | - | - | LSI | 0 | P | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛM t | - | - | - | - | LSIG | 0 | P | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ yΛM t | - | - | - | - | LSIR | 0 | P | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM I | - | - | - | - | LSI | 0 | H | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛM I | - | - | - | - | LSIG | 0 | H | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ yΛM I | - | - | - | - | LSIR | 0 | H | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛM · | - | - | - | - | - | - | - | | LI | 0 | X | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM · | - | - | - | - | - | - | - | | LSI | 0 | X | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛM · | - | - | - | - | - | - | - | | LSIG | 0 | X | | - | - | | |
| a lÔÑl2[2ƎlÔ yΛM · | - | - | - | - | - | - | - | | LSIR | 0 | X | | - | - | | |
| 9¢{ oΛo | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 2 | | |
| 9¢{ oΛn | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 3 | | |

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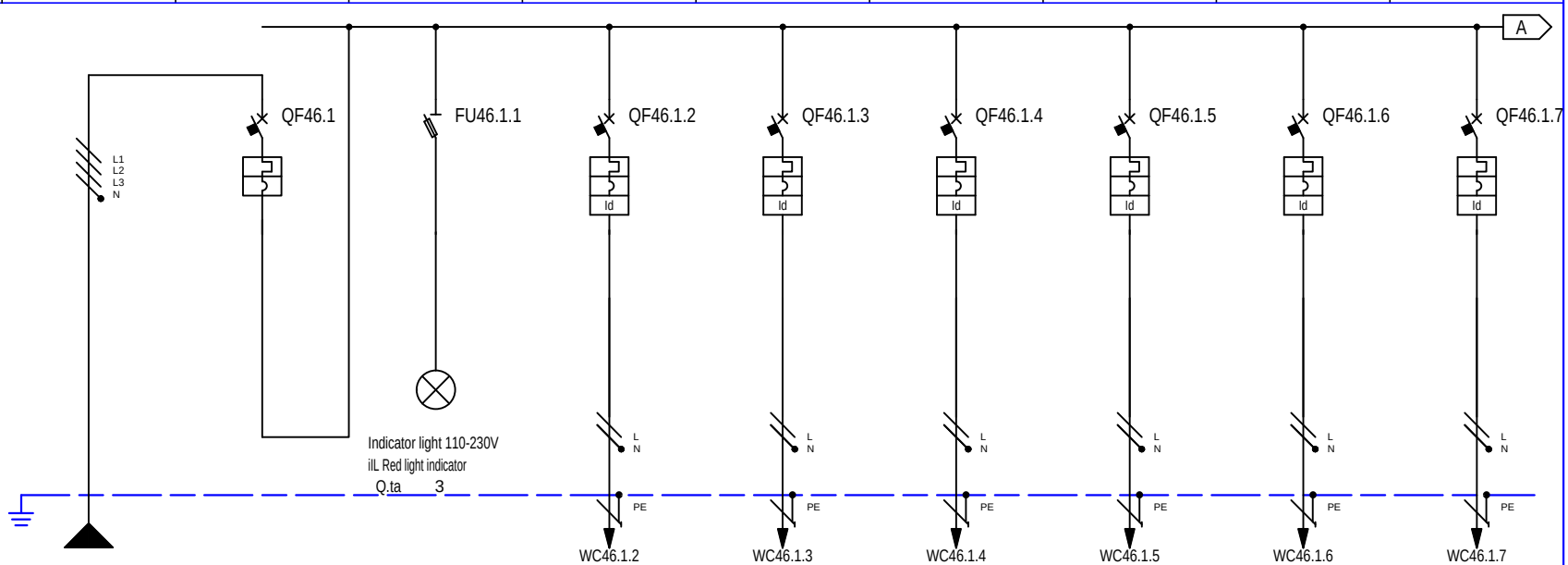
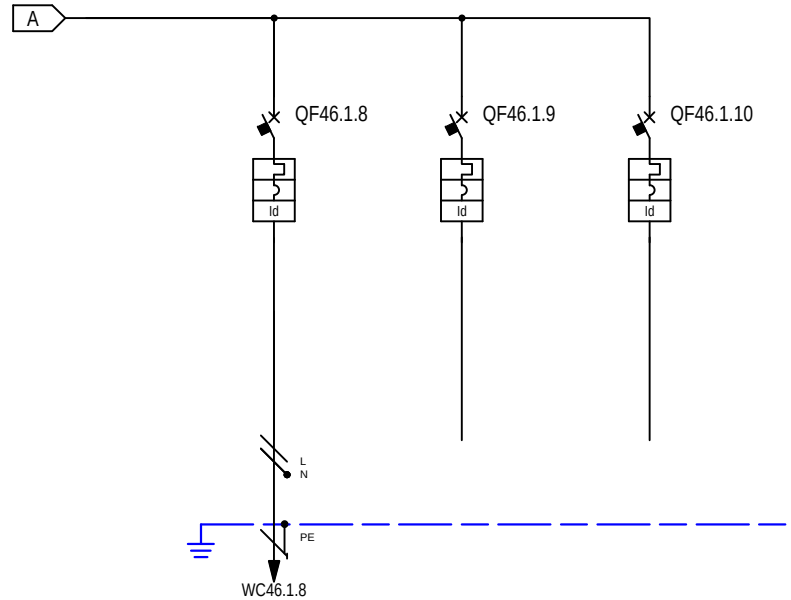
|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK |
| ARCHIVE | BD-2024 | FILE | e7. skema tu, poli i ri, [Q46]_[P.E.UPS.O4-Dh.S].dwg |
| DESIGNER | Besart DALLIU | DATE | 01/07/2024 |
| PAGE | 2 | REVISION | 00 |
| NEXT | | | |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | TABLE | |

REF. SWITCHBOARD [P.E.UPS.O4-Dh.S]




| | | |

| REF. SWITCHBOARD | [P.E.UPS.O4-Dh.S] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




TERMINALS NUMBERING

| | | |

END USER

# Objekti "Poli i Ri Teknologjise se Informacionit

dhe Sigurise Kibernetike"

Sauk, Tirane

JOB ORDER

## Fondi Shqiptar i Zhvillimit

SWITCHBOARD

## Paneli Elektrik Kryesor UPS Objekti 4-K.-1

### SWITCHBOARD CHARACTERISICS

| | | | |
|---|---|---|---|
| UPSTREAM PLANT | | | |
| [P.E.K.O4-K.-1] | | | |
| Tirane | | | |
| VOLTAGE [V] | 400 | FREQ. [Hz] | 50 |
| SWITCHBOARD RATED CURRENT [A] | | | |
| SWITCHBOARD PERSPECTIVE CURRENT [kA] | | | 8,2 |
| NEUTRAL SYSTEM | | | TNS |
| BUSBAR SIZE | | | |
| In [A] | | Isc [kA] | |
| STRUCTURE | | | |
| INSULATION CLASS | | IP | |

### REFERENCE STANDARD

| | | |
|---|---|---|
| MOULDED CASE CIRCUIT BREAKERS | [X] | — IEC EN 60947-2 |
| MINIATURE CIRCUIT BREAKERS | [X] | — IEC EN 60947-2 |
| | [ ] | — IEC EN 60898 |
| STRUCTURE | [X] | — IEC EN 61439-1 |
| | [ ] | |

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| | | | | | |
|---|---|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri, [Q47]_[P.E.K.UPS.O4-K.-1].dwg |
| | | ARCHIVE | BD-2024 | DATE 01/07/2024 | REVISION 00 |
| | | DESIGNER | Besart DALLIU | PAGE 1 | NEXT |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | DRAWING | |

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

EN

| | MicroLogic 6.3 E-M ( ComPacT NSX ) | | | | MicroLogic 5.0 H ( ComPacT NS ) | | | | MicroLogic 2.0 X ( MasterPacT MTZ ) | | | | ETS 2.2 ( EasyPacT CVS ) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (W)=Type of protection (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) | (Y) | (Z) | (K) | (W) | (Y) | (Z) | | (W) | (Y) | (J) | | (W) | (Y) | | |
| a lÔÑl2[2ƎlÔ H\l\n a | SI | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ o\o D | $LS_0I$ | 2 | - | G | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ o\n | $LS_0I$ | 3 | - | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ o\n a | $LS_0I$ | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±l3l p\o | $LS_0IR$ | 2 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±l3l p\n ![ | $LS_0I$ | 3 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ c\o ! | LSI | 2 | A | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ c\n 9 | LSI | 3 | E | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ T\n 9ρ a | LSIG | 3 | E | M | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±l3l y\o 9ρ ![ | LSI | 2 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±l3l y\n 9 | LSIR | 3 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ o\M | - | - | - | - | LI | 0 | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ c\M | - | - | - | - | LSI | 0 | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ o\M ! | - | - | - | - | LI | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ c\M ! | - | - | - | - | LSI | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ T\M ! | - | - | - | - | LSIG | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ y\M ! | - | - | - | - | LSIR | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ o\M 9 | - | - | - | - | LI | 0 | E | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ c\M 9 | - | - | - | - | LSI | 0 | E | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ T\M 9 | - | - | - | - | LSIG | 0 | E | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ c\M t | - | - | - | - | LSI | 0 | P | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ T\M t | - | - | - | - | LSIG | 0 | P | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ y\M t | - | - | - | - | LSIR | 0 | P | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ c\M I | - | - | - | - | LSI | 0 | H | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ T\M I | - | - | - | - | LSIG | 0 | H | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ y\M I | - | - | - | - | LSIR | 0 | H | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ o\M · | - | - | - | - | - | - | - | | LI | 0 | X | | - | - | | |
| a lÔÑl2[2ƎlÔ c\M · | - | - | - | - | - | - | - | | LSI | 0 | X | | - | - | | |
| a lÔÑl2[2ƎlÔ T\M · | - | - | - | - | - | - | - | | LSIG | 0 | X | | - | - | | |
| a lÔÑl2[2ƎlÔ y\M · | - | - | - | - | - | - | - | | LSIR | 0 | X | | - | - | | |
| 9¢{ o\o | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 2 | | |
| 9¢{ o\n | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 3 | | |

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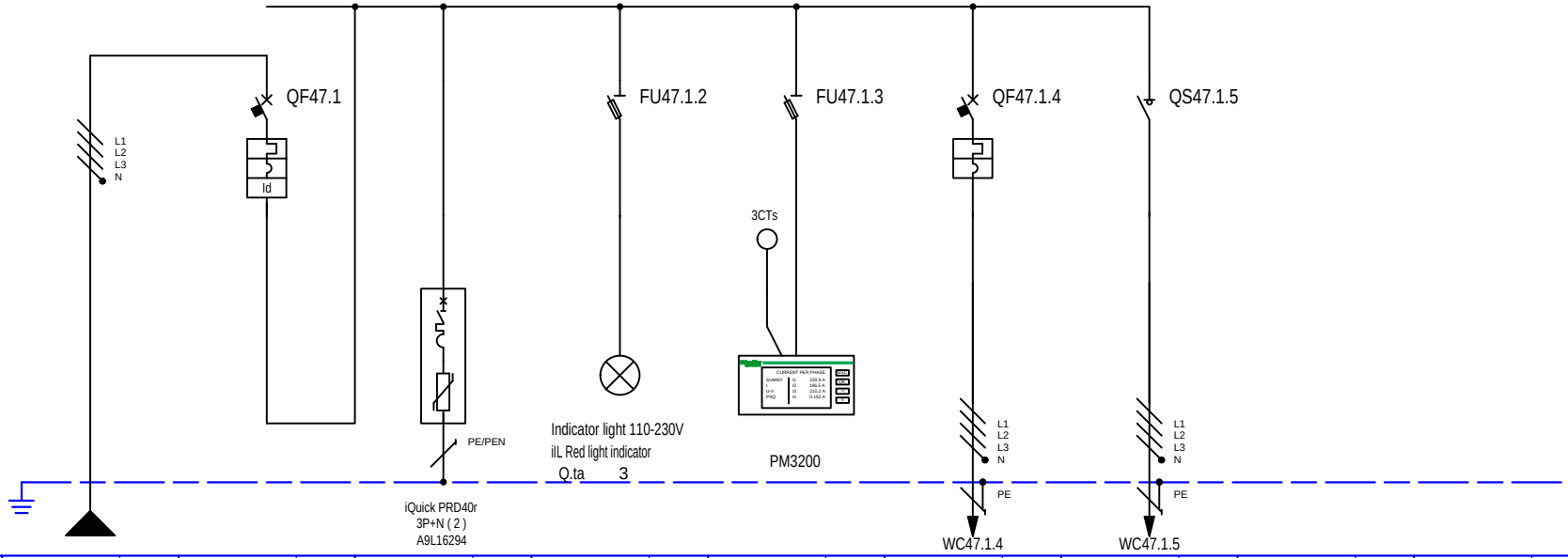
| | | | |
|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK |
| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | FILE | e7. skema tu, poli i ri, _[Q47]_[P.E.K.UPS.O4-K.-1].dwg |
| | | DATE | 01/07/2024 |
| | | PAGE | 2 |
| | | TABLE | |
| | | REVISION | 00 |
| | | NEXT | |

| REF. SWITCHBOARD | [P.E.K.UPS.O4-K.-1] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




TERMINALS NUMBERING

| CIRCUIT NUMBERING | | DISTRIBUTION | | L1L2L3NPE | 1 | RSTN | 2 | L1L2L3NPE | 3 | L1NPE | 4 | L1L2L3NPE | 5 | L1L2L3NPE | 6 | L1L2L3N | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT DESCRIPTION | | | 1 | | 1 | | Shkarkues Mbitensioni 3F + Mbrojtje | | Llambe sinjalizimi 3F + Mbrojtje me Bllok Siguresa | | Multimeter digital Parametrave Rrjetit + Mbrotje Siguresa | | Furnizon UPS Qendror Objekti 1 40kVA | | Linja L.02 Celes seksionues 1 - 0 - 2 (UPS-RR.N) | | | | | |
| EQUIPMENT | | | | | C120 N | | | | SBI50 | | SBI50 | | C120 N | | iSW | | | | | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | | | 10 | | | | 100 | | 100 | | 10 | | | | | | | |
| | N. POLES | In [A] | | | 4P | 80 | | | 3P+N | | 3P+N | | 4P | 80 | | 100 | | | | |
| | CURVE/TRIPPING UNIT | | | | C | | | | | | | | C | | | | | | | |
| | Ir [A] | tr [s] | | | 80 | | | | | | | | 80 | | | | | | | |
| | Isd [A] | tsd [s] | | | 800 | | | | | | | | 800 | | | | | | | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | Acti9 Vigi | A | | | | | | | | | | | | | | |
| | Idn [A] | tdn [ms] | | | 0,03 | Instantaneous | | | | | | | | | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES / In [A] | | | | | | | | | | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE | 31 - E | | | | | | | | | XLPE | 31 - E | XLPE | 31 - E | | | | |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x25 | 1x25 1x16 | | | | | | | | | 1x25 | 1x25 1x16 | 1x25 | 1x16 1x16 | | | | |
| | Ib [A] | Iz [A] | 73 | 127 | | | | | | | | | 73 | 127 | 73 | 127 | | | | |
| | Un [V] | Pn [kW] | 400 | 50,07 | | 50,07 | | | | | | | 400 | 50,07 | 400 | | | | | |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 2,2 | 8,2 | | | | | | | | | 1,7 | 6,7 | 1,6 | 6,7 | | | | |
| | LENGTH [m] | dV TOTAL [%] | 26 | 1,5 | | | | | | | | | 10 | 1,8 | 10 | 1,8 | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | |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| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK |
| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | |

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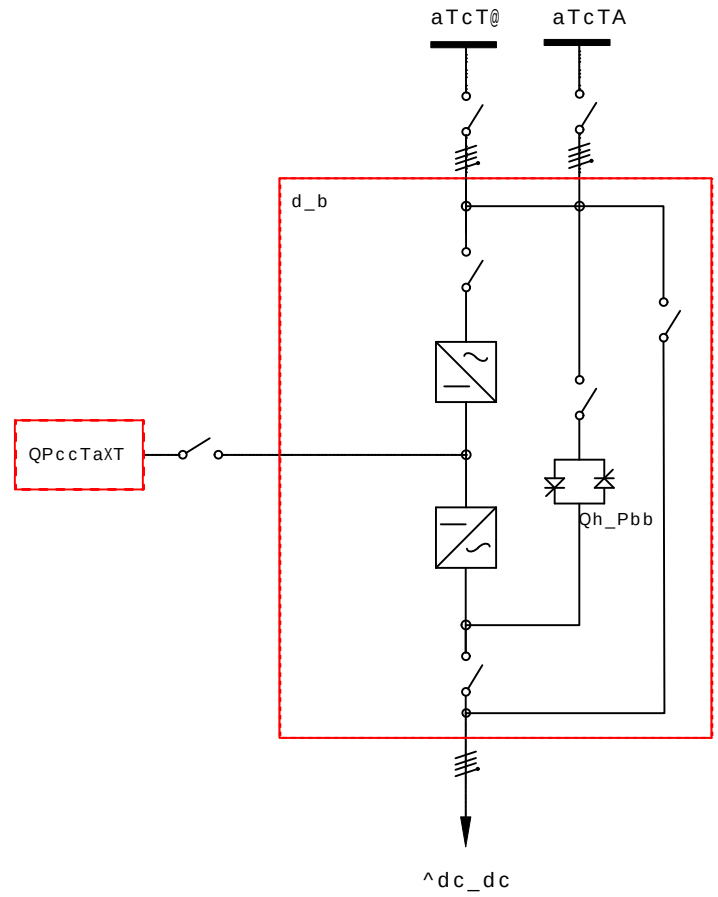
| FILE | e7. skema tu, poli i ri,_[Q47]_[P.E.K.UPS.O4-K.-1].dwg | | |
| DATE | 01/07/2024 | REVISION | 00 |
| PAGE | 3 | NEXT | |
| DRAWING | | | |

Schneider Electric

| | |
|---|---|
| MODEL | Easy UPS 3S |
| RATED POWER An [kVA] | 40 |
| BATTERY RUNTIME [min] | 40 |
| THDI [%] | Hermetic Lead long life |
| TYPE OF TECHNOLOGY | 15 |
| VOLTAGE IN [V] | 4 |
| VOLTAGE OUT [V] | on-line |
| EFFICIENCY | 400 |
| | 400 |
| | 0,96 |
| | N/A |
| | Yes |
| | Yes |

R^]UXVdaPiX^]T R^]
aTcT@ T aTcTA




| | | | | | |
|---|---|---|---|---|---|
| CLIENT | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri,_[Q48]_[UPS 50kVA].dwg |
| | | ARCHIVE | - | DATE | 01/07/2024 |
| | | DESIGNER | - | PAGE | 9 |
| | | | | REVISION | R0.0 |
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| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit | | | DRAWING | |

END USER

# Objekti "Poli i Ri Teknologjise se Informacionit

dhe Sigurise Kibernetike"

Sauk, Tirane

JOB ORDER

## Fondi Shqiptar i Zhvillimit

SWITCHBOARD

## Paneli Elektrik Kryesor UPS-K.+0

### SWITCHBOARD CHARACTERISICS

| | | | |
|---|---|---|---|
| UPSTREAM PLANT<br>[UPS 50kVA]<br>Tirane | | | |
| VOLTAGE [V] | 400 | FREQ. [Hz] | 50 |
| SWITCHBOARD RATED CURRENT [A] | | | |
| SWITCHBOARD PERSPECTIVE CURRENT [kA] | | | 5,7 |
| NEUTRAL SYSTEM | | | TNS |
| BUSBAR SIZE<br>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 |
| | ☐ | |

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| | | | | | |
|---|---|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri,_[Q49]_[P.E.K.UPS-K.+0].dwg |
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 1 |
| | | | | REVISION | 00 |
| | | | | NEXT | |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | DRAWING | |

# BASE NOTE

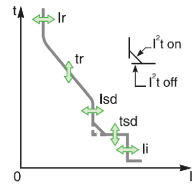
- A complete reading of all the project drawings is necessary for the correct interpretation of the drawings and plants.
- The technical characteristics indicated on the drawing are the minimum required.
- The voltage drops shown are the overall ones from the LV side of the transformers or the incoming 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:

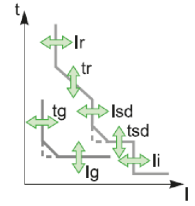
EN

**C.B. Type (Y)**

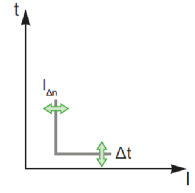
LSI




LSIG




LSIR




| | MicroLogic 6.3 E-M ( ComPacT NSX ) | | | | MicroLogic 5.0 H ( ComPacT NS ) | | | | MicroLogic 2.0 X ( MasterPacT MTZ ) | | | | ETS 2.2 ( EasyPacT CVS ) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (W)=Type of protection (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) | (Y) | (Z) | (K) | (W) | (Y) | (Z) | | (W) | (Y) | (J) | | (W) | (Y) | | |
| a lÖÑl2[ƷƷlÖ HlΛn a | SI | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ oΛo D | $LS_0I$ | 2 | - | G | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ oΛn | $LS_0I$ | 3 | - | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ oΛn a | $LS_0I$ | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ ±ƷƷl pΛo | $LS_0IR$ | 2 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ ±ƷƷl pΛn ! [ | $LS_0I$ | 3 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ cΛo ! | LSI | 2 | A | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ cΛn 9 | LSI | 3 | E | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ TΛn 9ρ a | LSIG | 3 | E | M | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ ±ƷƷl yΛo 9ρ ! [ | LSI | 2 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ ±ƷƷl yΛn 9 | LSIR | 3 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ oΛM | - | - | - | - | LI | 0 | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ cΛM | - | - | - | - | LSI | 0 | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ oΛM ! | - | - | - | - | LI | 0 | A | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ cΛM ! | - | - | - | - | LSI | 0 | A | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ TΛM ! | - | - | - | - | LSIG | 0 | A | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ yΛM ! | - | - | - | - | LSIR | 0 | A | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ oΛM 9 | - | - | - | - | LI | 0 | E | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ cΛM 9 | - | - | - | - | LSI | 0 | E | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ TΛM 9 | - | - | - | - | LSIG | 0 | E | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ cΛM t | - | - | - | - | LSI | 0 | P | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ TΛM t | - | - | - | - | LSIG | 0 | P | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ yΛM t | - | - | - | - | LSIR | 0 | P | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ cΛM I | - | - | - | - | LSI | 0 | H | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ TΛM I | - | - | - | - | LSIG | 0 | H | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ yΛM I | - | - | - | - | LSIR | 0 | H | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ oΛM · | - | - | - | - | - | - | - | | LI | 0 | X | | - | - | | |
| a lÖÑl2[ƷƷlÖ cΛM · | - | - | - | - | - | - | - | | LSI | 0 | X | | - | - | | |
| a lÖÑl2[ƷƷlÖ TΛM · | - | - | - | - | - | - | - | | LSIG | 0 | X | | - | - | | |
| a lÖÑl2[ƷƷlÖ yΛM · | - | - | - | - | - | - | - | | LSIR | 0 | X | | - | - | | |
| 9¢{ oΛo | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 2 | | |
| 9¢{ oΛn | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 3 | | |

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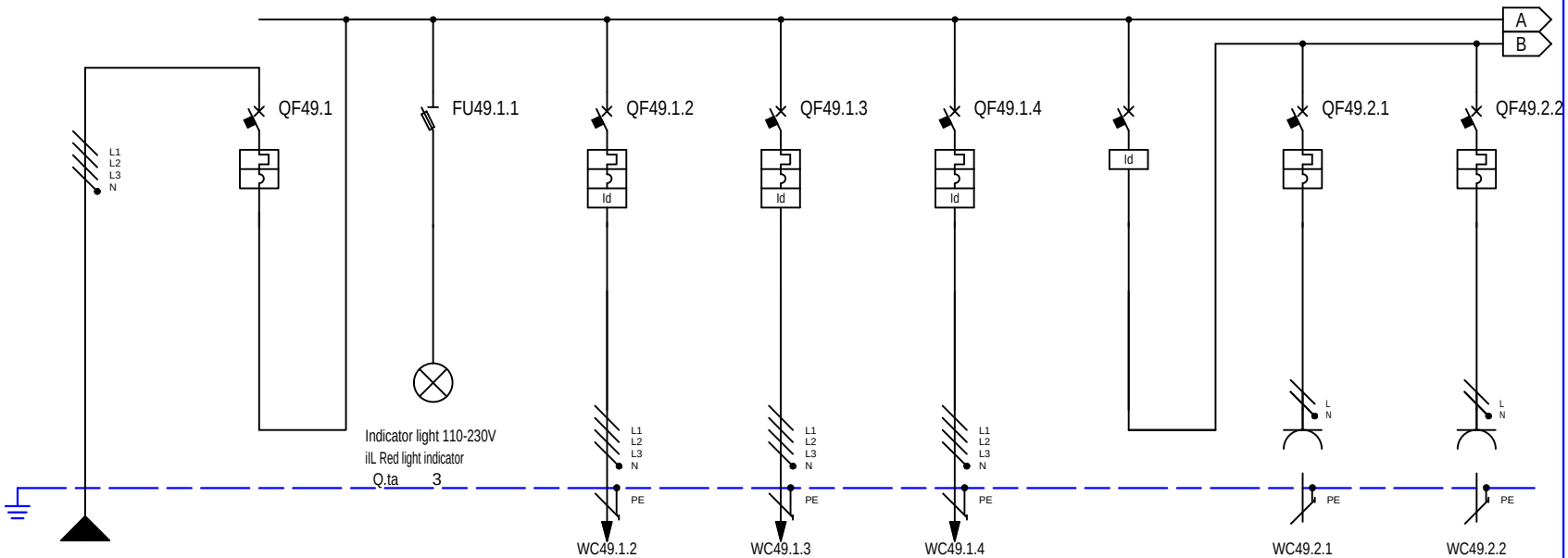
|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK |
| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | FILE | e7. skema tu, poli i ri,_[Q49]_[P.E.K.UPS-K.+0].dwg |
| | | DATE | 01/07/2024 |
| | | PAGE | 2 |
| | | TABLE | |
| | | REVISION | 00 |
| | | NEXT | |

REF. SWITCHBOARD [P.E.K.UPS-K.+0]




TERMINALS NUMBERING

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT NUMBERING | | DISTRIBUTION | | L1L2L3NPE | 1 | | 2 | L1NPE | 3 | L1L2L3NPE | 4 | L1L2L3NPE | 5 | L1L2L3NPE | 6 | L1L2L3N | 7 | L1NPE | 8 | L2NPE |
| CIRCUIT DESCRIPTION | | | 1 | | 1 | | Llambe sinjalizimi 3F + Mbrojtje me Bllok Siguresa | | Linja 01 - UPS Furnizon Kuadrin Seksioni UPS | | Linja 02 - UPS Furnizon Kuadrin Seksioni UPS | | Linja 03 - UPS Furnizon Kuadrin Seksioni UPS | | Salvavide Grupi 01 Priza | | Linja L.04-UPS Priza Poste Pune Kati +0 | | Linja L.05-UPS Priza Poste Pune Kati +0 | |
| EQUIPMENT | | | | | C120 N | | SBI50 | | iC60 N | | iC60 N | | iC60 N | | iID (4P) | | iC40 a | | iC40 a | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | | | 10 | | 100 | | 10 | | 10 | | 10 | | | | 6 | | 6 | |
| | N. POLES | In [A] | | | 4P | 80 | 3P+N | | 4P | 25 | 4P | 25 | 4P | 25 | | 40 | 1P+N | 16 | 1P+N | 16 |
| | CURVE/TRIPPING UNIT | | | | C | | | | C | | C | | C | | | | C | | C | |
| | Ir [A] | tr [s] | | | 80 | | | | 25 | | 25 | | 25 | | | | 16 | | 16 | |
| | Isd [A] | tsd [s] | | | 800 | | | | 250 | | 250 | | 250 | | | | 160 | | 160 | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | | Acti9 Vigi | AC | Acti9 Vigi | AC | Acti9 Vigi | AC | RCD | AC | | | | |
| | Idn [A] | tdn [ms] | | | | | | | 0,1 | Instantaneous | 0,1 | Instantaneous | 0,1 | Instantaneous | 0,03 | Instantaneous | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES In [A] | | | | | | | | | | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE | 31 - E | | | | | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E | | | XLPE | 31 - E | XLPE | 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x25 | 1x16 1x16 | | | | | 1x6 | 1x6 1x6 | 1x6 | 1x6 1x6 | 1x6 | 1x6 1x6 | | | 1x2,5 | 1x2,5 1x2,5 | 1x2,5 | 1x2,5 1x2,5 |
| | Ib [A] | Iz [A] | 44,5 | 127 | | | | | 14,4 | 54 | 24,1 | 54 | 15,4 | 54 | | | 4,8 | 36 | 4,8 | 36 |
| | Un [V] | Pn [kW] | 400 | 25,62 | | 25,62 | | | 400 | 8 | 400 | 13 | 400 | 9,6 | | 6 | 230 | 1 | 230 | 1 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 1,3 | 5,7 | | | | | 0,6 | 2,9 | 0,6 | 2,6 | 0,5 | 2,3 | | | 0,5 | 1,1 | 0,2 | 0,4 |
| | LENGTH [m] | dV TOTAL [%] | 10 | 2,1 | | | | | 15 | 2,4 | 18 | 2,7 | 22 | 2,6 | | | 10 | 2,4 | 40 | 3,5 |
| NOTES | | | | | | | | | | | | | | | | | | | | |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|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK |
| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | |

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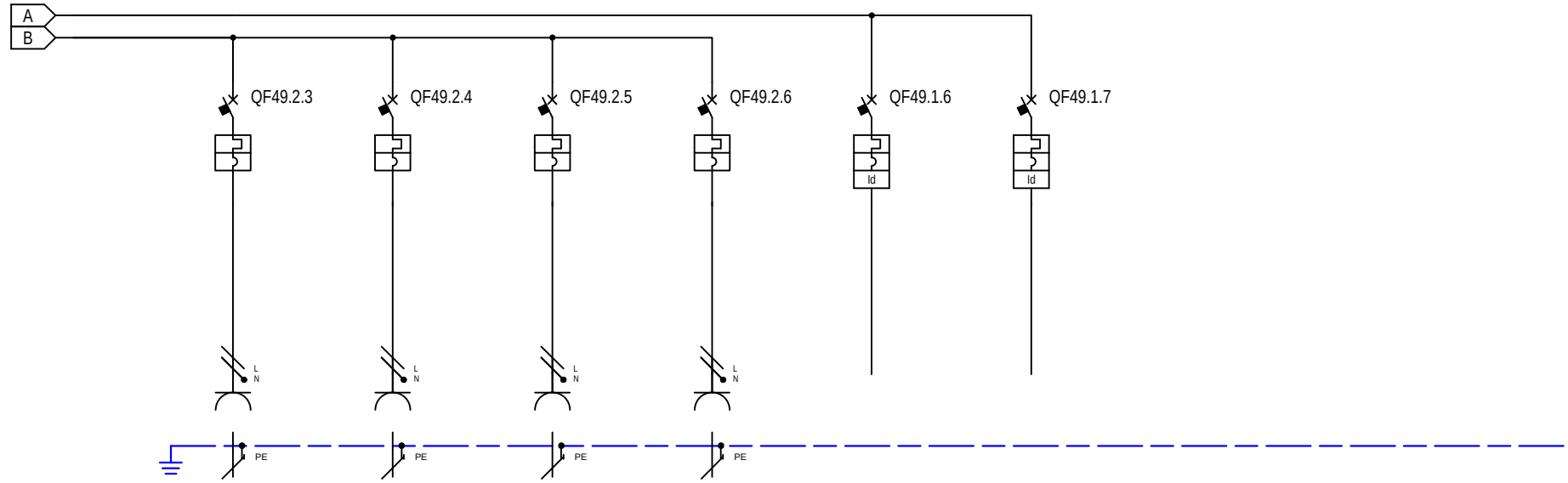
|---|---|---|---|
| FILE | e7. skema tu, poli i ri,_[Q49]_[P.E.K.UPS-K.+0].dwg | | |
| DATE | 01/07/2024 | REVISION | 00 |
| PAGE | 3 | NEXT | |
| DRAWING | | | |

Schneider Electric

| REF. SWITCHBOARD | [P.E.K.UPS-K.+0] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




| TERMINALS NUMBERING | | | WC49.2.3 | WC49.2.4 | WC49.2.5 | WC49.2.6 | | |
|---|---|---|---|---|---|---|---|---|
| CIRCUIT NUMBERING | | DISTRIBUTION | 9 L3NPE | 10 L1NPE | 11 L2NPE | 12 L3NPE | 13 L1NPE | 14 L2NPE |
| CIRCUIT DESCRIPTION | | | Linja L.06-UPS<br>Priza Poste Pune<br>Kati +0 | Linja L.07-UPS<br>Priza Poste Pune<br>Kati +0 | Linja L.08-UPS<br>Priza Poste Pune<br>Kati +0 | Linja L.09-UPS<br>Priza Poste Pune<br>Kati +0 | Linja 10 - UPS<br>Furnizon<br>Rack K+0 | Linja 11 - UPS<br>Furnizon Kuadrin<br>Seksioni UPS |
| EQUIPMENT | | | iC40 a | iC40 a | iC40 a | iC40 a | iC40 N | iC40 N |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 6 | 6 | 6 | 6 | 10 | 10 |
| | N. POLES | In [A] | 1P+N / 16 | 1P+N / 16 | 1P+N / 16 | 1P+N / 16 | 1P+N / 16 | 1P+N / 32 |
| | CURVE/TRIPPING UNIT | | C | C | C | C | C | C |
| | Ir [A] | tr [s] | 16 | 16 | 16 | 16 | 16 | 32 |
| | Isd [A] | tsd [s] | 160 | 160 | 160 | 160 | 160 | 320 |
| | Ii [xIn] | | | | | | | |
| | Ig [A] | tg [s] | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | Acti9 Vigi / AC | Acti9 Vigi / AC |
| | Idn [A] | tdn [ms] | | | | | 0,03 / Instantaneous | 0,03 / Instantaneous |
| CONTACTOR | TYPE | CLASS | | | | | | |
| IMPULSE RELAY | COIL | N. POLES / In [A] | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | |
| OTHER | TYPE | MODEL | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE / 31 - E | XLPE / 31 - E | XLPE / 31 - E | XLPE / 31 - E | | |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x2,5 / 1x2,5 / 1x2,5 | 1x2,5 / 1x2,5 / 1x2,5 | 1x2,5 / 1x2,5 / 1x2,5 | 1x2,5 / 1x2,5 / 1x2,5 | | |
| | Ib [A] | Iz [A] | 4,8 / 36 | 4,8 / 36 | 4,8 / 36 | 4,8 / 36 | | |
| | Un [V] | Pn [kW] | 230 / 1 | 230 / 1 | 230 / 1 | 230 / 1 | | |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 0,3 / 0,7 | 0,3 / 0,7 | 0,3 / 0,6 | 0,3 / 0,6 | | |
| | LENGTH [m] | dV TOTAL [%] | 18 / 2,7 | 20 / 2,8 | 22 / 2,9 | 22 / 2,9 | | |
| NOTES | | | | | | | | |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| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri,_[Q49]_[P.E.K.UPS-K.+0].dwg |
|---|---|---|---|---|---|
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 4 |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | REVISION | 00 |
| | | | | NEXT | |
| | | | | DRAWING | |

END USER

# Objekti "Poli i Ri Teknologjise se Informacionit

dhe Sigurise Kibernetike"

Sauk, Tirane

JOB ORDER

## Fondi Shqiptar i Zhvillimit

SWITCHBOARD

## Paneli Elektrik Shperndares Objekti 4- Kati +0_Seksioni UPS

### SWITCHBOARD CHARACTERISICS

| | | | |
|---|---|---|---|
| UPSTREAM PLANT [P.E.K.UPS-K.+0] Tirane | | | |
| VOLTAGE [V] | 400 | FREQ. [Hz] | 50 |
| SWITCHBOARD RATED CURRENT [A] | | | |
| SWITCHBOARD PERSPECTIVE CURRENT [kA] | | | 2,9 |
| NEUTRAL SYSTEM | | | TNS |
| BUSBAR SIZE In [A] | | Isc [kA] | |
| STRUCTURE | | | |
| INSULATION CLASS | | IP | |

### REFERENCE STANDARD

| | | |
|---|---|---|
| MOULDED CASE CIRCUIT BREAKERS | [X] | — IEC EN 60947-2 |
| MINIATURE CIRCUIT BREAKERS | [X] | — IEC EN 60947-2 |
| | [ ] | — IEC EN 60898 |
| STRUCTURE | [X] | — IEC EN 61439-1 |
| | [ ] | |

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|---|---|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri, _[Q50]_[P.E.SH.O4-K.+0.UPS].dwg |
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 1 |
| | | | | REVISION | 00 |
| | | | | NEXT | |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | DRAWING | |

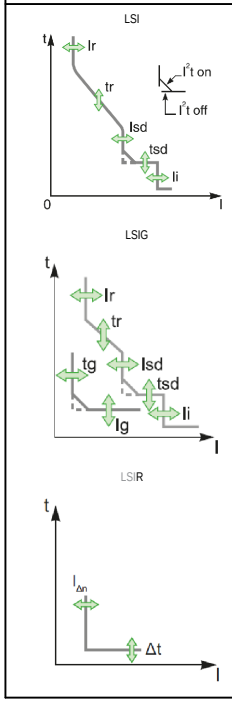
# BASE NOTE

- 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

| | MicroLogic 6.3 E-M ( ComPacT NSX ) | | | | MicroLogic 5.0 H ( ComPacT NS ) | | | | MicroLogic 2.0 X ( MasterPacT MTZ ) | | | | ETS 2.2 ( EasyPacT CVS ) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (W)=Type of protection (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) | (Y) | (Z) | (K) | (W) | (Y) | (Z) | | (W) | (Y) | (J) | | (W) | (Y) | | |
| a lÔÑl2[2ƎlÔ HlΛn a | SI | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛo D | $LS_0I$ | 2 | - | G | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛn | $LS_0I$ | 3 | - | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛn a | $LS_0I$ | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±ƎlΛ poo | $LS_0IR$ | 2 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±ƎlΛ pΛn ![ | $LS_0I$ | 3 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛo ! | LSI | 2 | A | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛn 9 | LSI | 3 | E | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛn 9ρa | LSIG | 3 | E | M | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±ƎlΛ yΛo 9ρ![ | LSI | 2 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±ƎlΛ yΛn 9 | LSIR | 3 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛM | - | - | - | - | LI | 0 | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM | - | - | - | - | LSI | 0 | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛM ! | - | - | - | - | LI | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM ! | - | - | - | - | LSI | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛM ! | - | - | - | - | LSIG | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ yΛM ! | - | - | - | - | LSIR | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛM 9 | - | - | - | - | LI | 0 | E | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM 9 | - | - | - | - | LSI | 0 | E | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛM 9 | - | - | - | - | LSIG | 0 | E | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM t | - | - | - | - | LSI | 0 | P | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛM t | - | - | - | - | LSIG | 0 | P | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ yΛM t | - | - | - | - | LSIR | 0 | P | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM I | - | - | - | - | LSI | 0 | H | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛM I | - | - | - | - | LSIG | 0 | H | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ yΛM I | - | - | - | - | LSIR | 0 | H | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛM · | - | - | - | - | - | - | - | | LI | 0 | X | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM · | - | - | - | - | - | - | - | | LSI | 0 | X | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛM · | - | - | - | - | - | - | - | | LSIG | 0 | X | | - | - | | |
| a lÔÑl2[2ƎlÔ yΛM · | - | - | - | - | - | - | - | | LSIR | 0 | X | | - | - | | |
| 9¢{ oΛo | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 2 | | |
| 9¢{ oΛn | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 3 | | |

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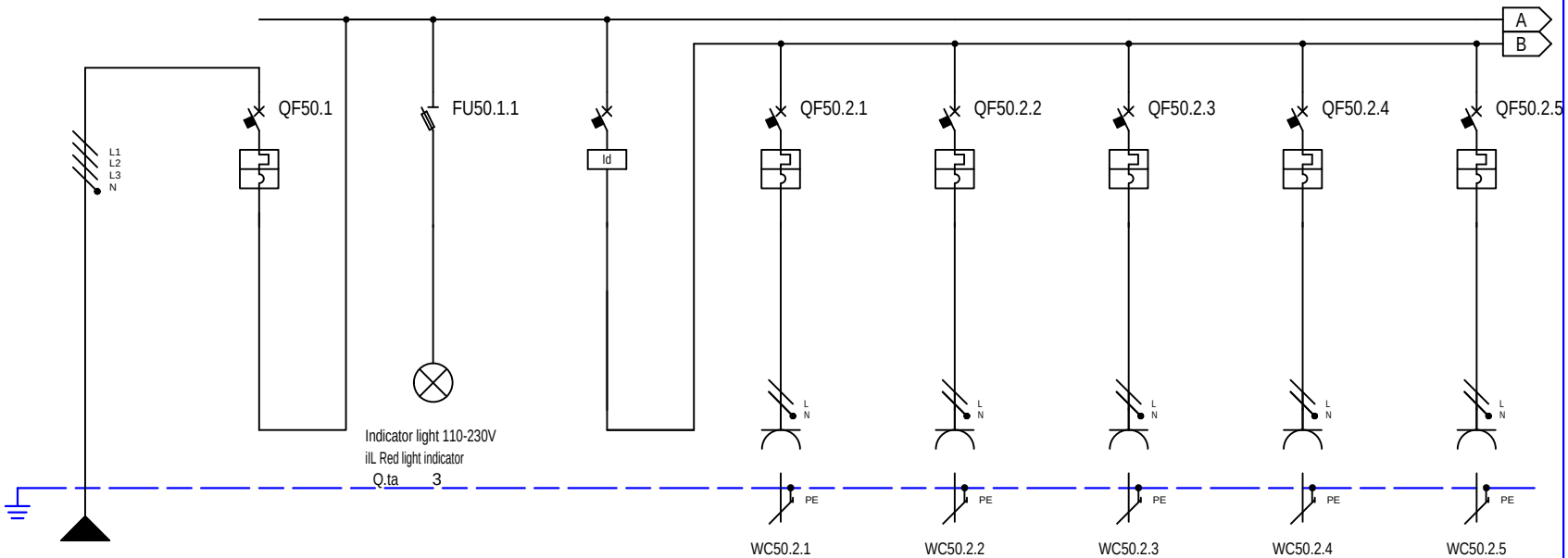
|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK |
| ARCHIVE | BD-2024 | FILE | e7. skema tu, poli i ri, _[Q50]_[P.E.SH.O4-K.+0.UPS].dwg |
| DESIGNER | Besart DALLIU | DATE | 01/07/2024 |
| PAGE | 2 | REVISION | 00 |
| NEXT | | | |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | TABLE | |

REF. SWITCHBOARD [P.E.SH.O4-K.+0.UPS]

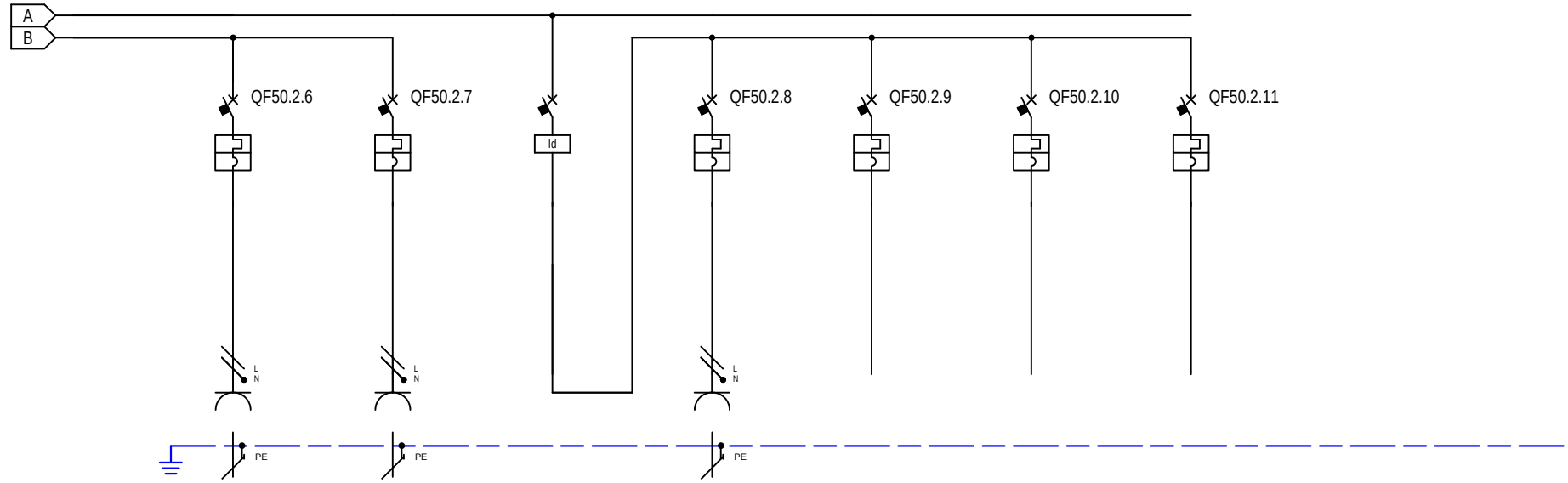



TERMINALS NUMBERING — WC50.2.1 | WC50.2.2 | WC50.2.3 | WC50.2.4 | WC50.2.5

| | | |

REF. SWITCHBOARD [P.E.SH.O4-K.+0.UPS]

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|




TERMINALS NUMBERING — WC50.2.6 — WC50.2.7 — WC50.2.8

| | | |

END USER

# Objekti "Poli i Ri Teknologjise se Informacionit

dhe Sigurise Kibernetike"

Sauk, Tirane

JOB ORDER

## Fondi Shqiptar i Zhvillimit

SWITCHBOARD

## Paneli Elektrik Shperndares Objekti 4- Kati +1_Seksioni UPS

### SWITCHBOARD CHARACTERISICS

| | | | |
|---|---|---|---|
| UPSTREAM PLANT [P.E.K.UPS-K.+0] Tirane | | | |
| VOLTAGE [V] | 400 | FREQ. [Hz] | 50 |
| SWITCHBOARD RATED CURRENT [A] | | | |
| SWITCHBOARD PERSPECTIVE CURRENT [kA] | | | 2,6 |
| NEUTRAL SYSTEM | | | TNS |
| BUSBAR SIZE In [A] | | Isc [kA] | |
| STRUCTURE | | | |
| INSULATION CLASS | | IP | |

### REFERENCE STANDARD

| | | |
|---|---|---|
| MOULDED CASE CIRCUIT BREAKERS | [X] | — IEC EN 60947-2 |
| MINIATURE CIRCUIT BREAKERS | [X] | — IEC EN 60947-2 |
| | [ ] | — IEC EN 60898 |
| STRUCTURE | [X] | — IEC EN 61439-1 |
| | [ ] | |

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|---|---|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri, _[Q51]_[P.E.SH.O4-K.+1.UPS].dwg |
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 1 |
| | | | | REVISION | 00 |
| | | | | NEXT | |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | DRAWING | |

Schneider Electric

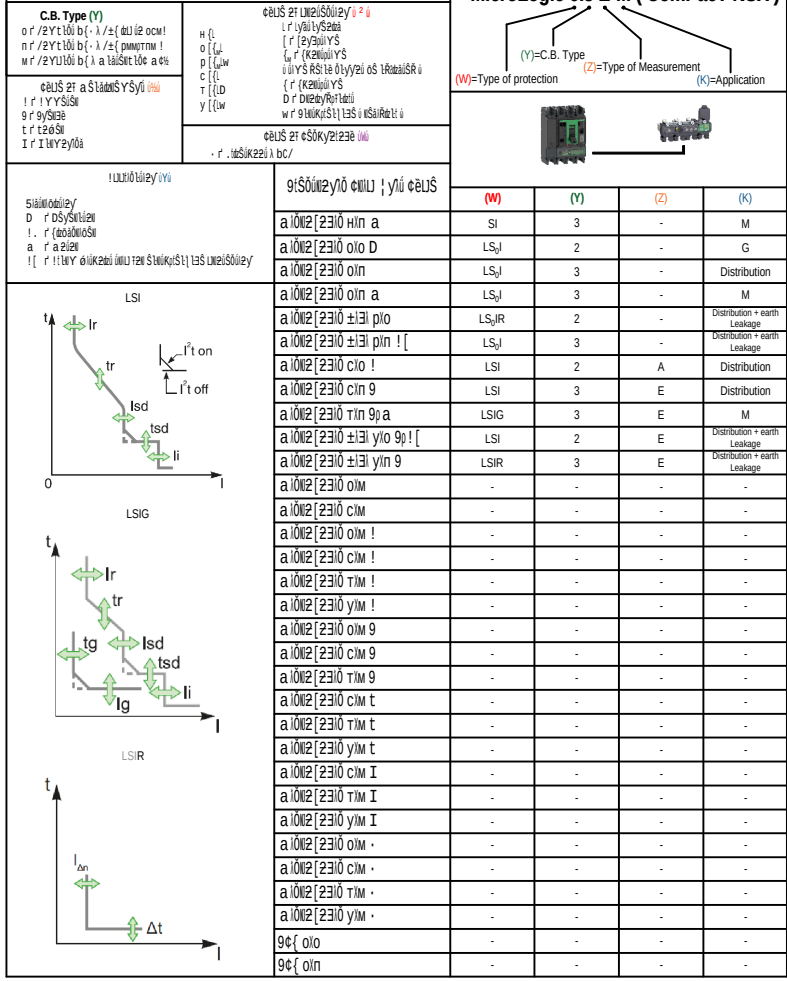
# BASE NOTE

- 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

**C.B. Type (Y)**




| | MicroLogic 6.3 E-M ( ComPacT NSX ) (Y)=C.B. Type (Z)=Type of Measurement (W)=Type of protection (K)=Application | | | | MicroLogic 5.0 H ( ComPacT NS ) (Y)=C.B. Type (Z)=Type of Measurement (W)=Type of protection | | | | MicroLogic 2.0 X ( MasterPacT MTZ ) (Y)=C.B. Type (J)=Type of Technology (W)=Type of protection | | | | ETS 2.2 ( EasyPacT CVS ) (Y)=C.B. Type (W)=Type of protection | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (W) | (Y) | (Z) | (K) | (W) | (Y) | (Z) | | (W) | (Y) | (J) | | (W) | (Y) | | |
| a lÔñl2[2ƎlÔ H\l\n a | SI | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ o\o D | $LS_0I$ | 2 | - | G | - | - | - | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ o\n | $LS_0I$ | 3 | - | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ o\n a | $LS_0I$ | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ ±l3l p\o | $LS_0IR$ | 2 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ ±l3l p\n ! [ | $LS_0I$ | 3 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ c\o ! | LSI | 2 | A | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ c\n 9 | LSI | 3 | E | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ T\n 9ρ a | LSIG | 3 | E | M | - | - | - | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ ±l3l y\o 9ρ ! [ | LSI | 2 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ ±l3l y\n 9 | LSIR | 3 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ o\M | - | - | - | - | LI | 0 | - | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ c\M | - | - | - | - | LSI | 0 | - | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ o\M ! | - | - | - | - | LI | 0 | A | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ c\M ! | - | - | - | - | LSI | 0 | A | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ T\M ! | - | - | - | - | LSIG | 0 | A | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ y\M ! | - | - | - | - | LSIR | 0 | A | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ o\M 9 | - | - | - | - | LI | 0 | E | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ c\M 9 | - | - | - | - | LSI | 0 | E | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ T\M 9 | - | - | - | - | LSIG | 0 | E | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ c\M t | - | - | - | - | LSI | 0 | P | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ T\M t | - | - | - | - | LSIG | 0 | P | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ y\M t | - | - | - | - | LSIR | 0 | P | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ c\M I | - | - | - | - | LSI | 0 | H | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ T\M I | - | - | - | - | LSIG | 0 | H | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ y\M I | - | - | - | - | LSIR | 0 | H | | - | - | - | | - | - | | |
| a lÔñl2[2ƎlÔ o\M · | - | - | - | - | - | - | - | | LI | 0 | X | | - | - | | |
| a lÔñl2[2ƎlÔ c\M · | - | - | - | - | - | - | - | | LSI | 0 | X | | - | - | | |
| a lÔñl2[2ƎlÔ T\M · | - | - | - | - | - | - | - | | LSIG | 0 | X | | - | - | | |
| a lÔñl2[2ƎlÔ y\M · | - | - | - | - | - | - | - | | LSIR | 0 | X | | - | - | | |
| 9¢{ o\o | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 2 | | |
| 9¢{ o\n | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 3 | | |

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|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK |
| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | FILE | e7. skema tu, poli i ri, _[Q51]_[P.E.SH.O4-K.+1.UPS].dwg |
| | | DATE | 01/07/2024 |
| | | PAGE | 2 |
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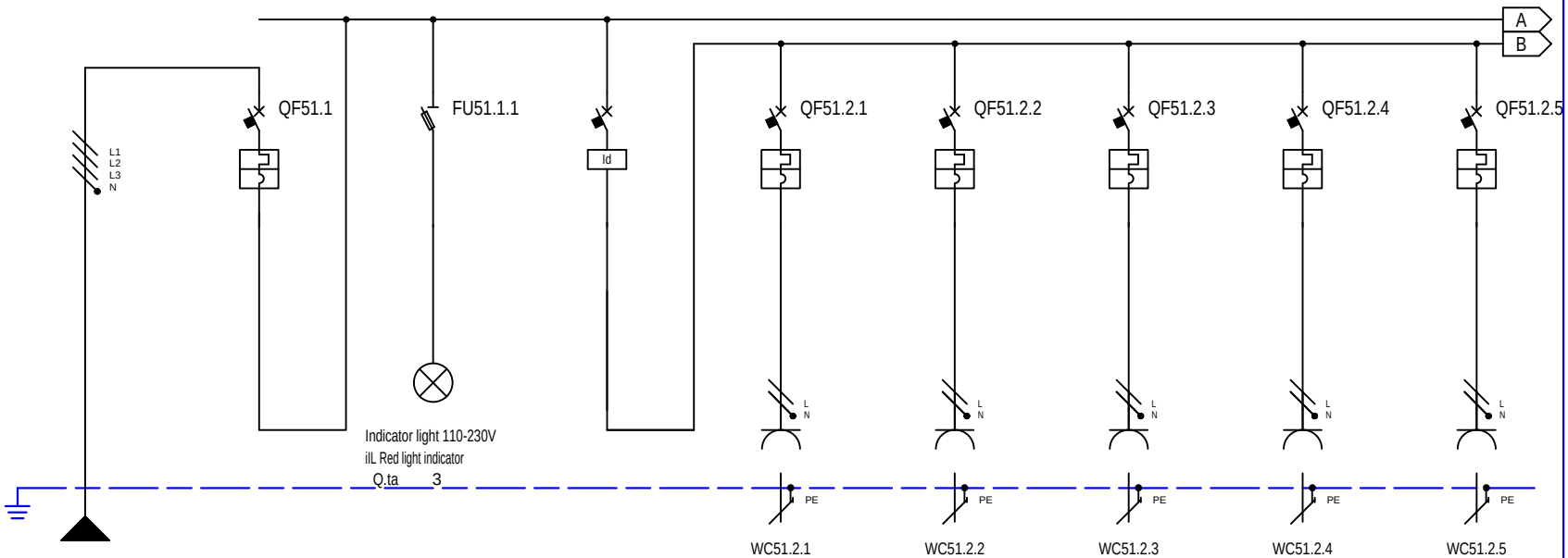
| | | REVISION | 00 |
| | | NEXT | |

REF. SWITCHBOARD [P.E.SH.O4-K.+1.UPS]




| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TERMINALS NUMBERING | | | | | | | | | | WC51.2.1 | | WC51.2.2 | | WC51.2.3 | | WC51.2.4 | | WC51.2.5 | | |
| CIRCUIT NUMBERING | DISTRIBUTION | | L1L2L3NPE | 1 | | 2 | L1NPE | 3 | L1L2L3N | 4 | L1NPE | 5 | L2NPE | 6 | L3NPE | 7 | L1NPE | 8 | L2NPE | |
| CIRCUIT DESCRIPTION | | | Vjen nga P.E.K UPS Qendror Objekti 1 | | Vjen nga P.E.K UPS Qendror Objekti 1 | | Llambe sinjalizimi 3F + Mbrojtje me Bllok Siguresa | | Salvavide Grupi 01 Priza UPS | | Linja L.01-UPS Zyre K.+1 | | Linja L.02-UPS Zyre K.+1 | | Linja L.03-UPS Zyre K.+1 | | Linja L.04-UPS Zyre Kati +1 | | Linja L.05-UPS Zyre Kati +1 | |
| EQUIPMENT | | | | | iC60 N | | SBI50 | | iID (4P) | | iC40 a | | iC40 a | | iC40 a | | iC40 a | | iC40 a | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | | | 10 | | 100 | | | | 6 | | 6 | | 6 | | 6 | | 6 | |
| | N. POLES | In [A] | | | 4P | 25 | 3P+N | | | 40 | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 |
| | CURVE/TRIPPING UNIT | | | | C | | | | | | C | | C | | C | | C | | C | |
| | Ir [A] | tr [s] | | | 25 | | | | | | 16 | | 16 | | 16 | | 16 | | 16 | |
| | Isd [A] | tsd [s] | | | 250 | | | | | | 160 | | 160 | | 160 | | 160 | | 160 | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | | RCD | AC | | | | | | | | | | |
| | Idn [A] | tdn [ms] | | | | | | | 0,03 | Instantaneous | | | | | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES In [A] | | | | | | | | | | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE | 31 - E | | | | | | | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x6 | 1x6 1x6 | | | | | | | 1x2,5 | 1x2,5 1x2,5 | 1x2,5 | 1x2,5 1x2,5 | 1x2,5 | 1x2,5 1x2,5 | 1x2,5 | 1x2,5 1x2,5 | 1x2,5 | 1x2,5 1x2,5 |
| | Ib [A] | Iz [A] | 24,1 | 54 | | | | | | | 4,8 | 36 | 4,8 | 36 | 4,8 | 36 | 4,8 | 36 | 4,8 | 36 |
| | Un [V] | Pn [kW] | 400 | 13 | | 13 | | | | 6 | 230 | 1 | 230 | 1 | 230 | 1 | 230 | 1 | 230 | 1 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 0,6 | 2,6 | | | | | | | 0,3 | 0,7 | 0,3 | 0,7 | 0,3 | 0,7 | 0,3 | 0,7 | 0,3 | 0,7 |
| | LENGTH [m] | dV TOTAL [%] | 18 | 2,7 | | | | | | | 10 | 3,1 | 10 | 3,1 | 10 | 3,1 | 10 | 3,1 | 10 | 3,1 |
| NOTES | | | | | | | | | | | | | | | | | | | | |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CUSTOMER Fondi Shqiptar i Zhvillimit

PLANT Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike"

| | | | |
|---|---|---|---|
| PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri, _[Q51]_[P.E.SH.O4-K.+1.UPS].dwg |
| ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| DESIGNER | Besart DALLIU | PAGE | 3 |
| | | REVISION | 00 |
| | | NEXT | |
| | | DRAWING | |

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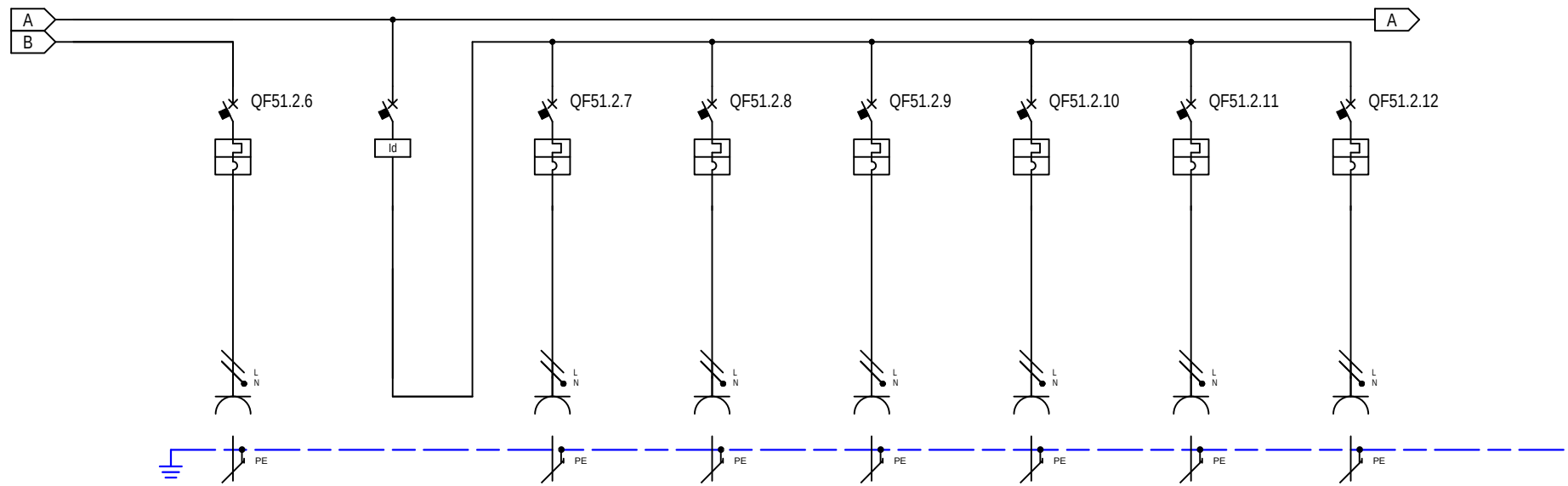
REF. SWITCHBOARD [P.E.SH.O4-K.+1.UPS]

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|




| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TERMINALS NUMBERING | | | WC51.2.6 | | | | | WC51.2.7 | | | WC51.2.8 | | | WC51.2.9 | | | WC51.2.10 | | | WC51.2.11 | | | WC51.2.12 | | |
| CIRCUIT NUMBERING | | DISTRIBUTION | 9 | | L3NPE | 10 | | L1L2L3N | 11 | | L1NPE | 12 | | L2NPE | 13 | | L3NPE | 14 | | L1NPE | 15 | | L2NPE | 16 | | L3NPE |
| CIRCUIT DESCRIPTION | | | Linja L.06-UPS Zyre Drejtori Kati +1 | | | Salvavide Grupi 02 Priza UPS | | | Linja L.07-UPS Zyre K.+1 | | | Linja L.08-UPS Zyre K.+1 | | | Linja L.09-UPS Zyre K.+1 | | | Linja L.10-UPS Zyre Kati +1 | | | Linja L.11-UPS Zyre Kati +1 | | | Linja L.12-UPS Zyre Kati +0 | | |
| EQUIPMENT | | | iC40 a | | | iID (4P) | | | iC40 a | | | iC40 a | | | iC40 a | | | iC40 a | | | iC40 a | | | iC40 a | | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 6 | | | | | | 6 | | | 6 | | | 6 | | | 6 | | | 6 | | | 6 | | |
| | N. POLES | In [A] | 1P+N | 16 | | | 40 | | 1P+N | 16 | | 1P+N | 16 | | 1P+N | 16 | | 1P+N | 16 | | 1P+N | 16 | | 1P+N | 16 | |
| | CURVE/TRIPPING UNIT | | C | | | | | | C | | | C | | | C | | | C | | | C | | | C | | |
| | Ir [A] | tr [s] | 16 | | | | | | 16 | | | 16 | | | 16 | | | 16 | | | 16 | | | 16 | | |
| | Isd [A] | tsd [s] | 160 | | | | | | 160 | | | 160 | | | 160 | | | 160 | | | 160 | | | 160 | | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | RCD | AC | | | | | | | | | | | | | | | | | | | |
| | Idn [A] | tdn [ms] | | | | 0,03 | Instantaneous | | | | | | | | | | | | | | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | | | | | | | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES In [A] | | | | | | | | | | | | | | | | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE | 31 - E | | | | | XLPE | 31 - E | | XLPE | 31 - E | | XLPE | 31 - E | | XLPE | 31 - E | | XLPE | 31 - E | | XLPE | 31 - E | |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x2,5 | 1x2,5 | 1x2,5 | | | | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 |
| | Ib [A] | Iz [A] | 4,8 | 36 | | | | | 4,8 | 36 | | 4,8 | 36 | | 4,8 | 36 | | 4,8 | 36 | | 4,8 | 36 | | 4,8 | 36 | |
| | Un [V] | Pn [kW] | 230 | 1 | | | 6 | | 230 | 1 | | 230 | 1 | | 230 | 1 | | 230 | 1 | | 230 | 1 | | 230 | 1 | |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 0,3 | 0,7 | | | | | 0,3 | 0,7 | | 0,3 | 0,7 | | 0,3 | 0,7 | | 0,3 | 0,7 | | 0,3 | 0,7 | | 0,3 | 0,7 | |
| | LENGTH [m] | dV TOTAL [%] | 10 | 3,1 | | | | | 10 | 3,1 | | 10 | 3,1 | | 10 | 3,1 | | 10 | 3,1 | | 10 | 3,1 | | 10 | 3,1 | |
| NOTES | | | | | | | | | | | | | | | | | | | | | | | | | | |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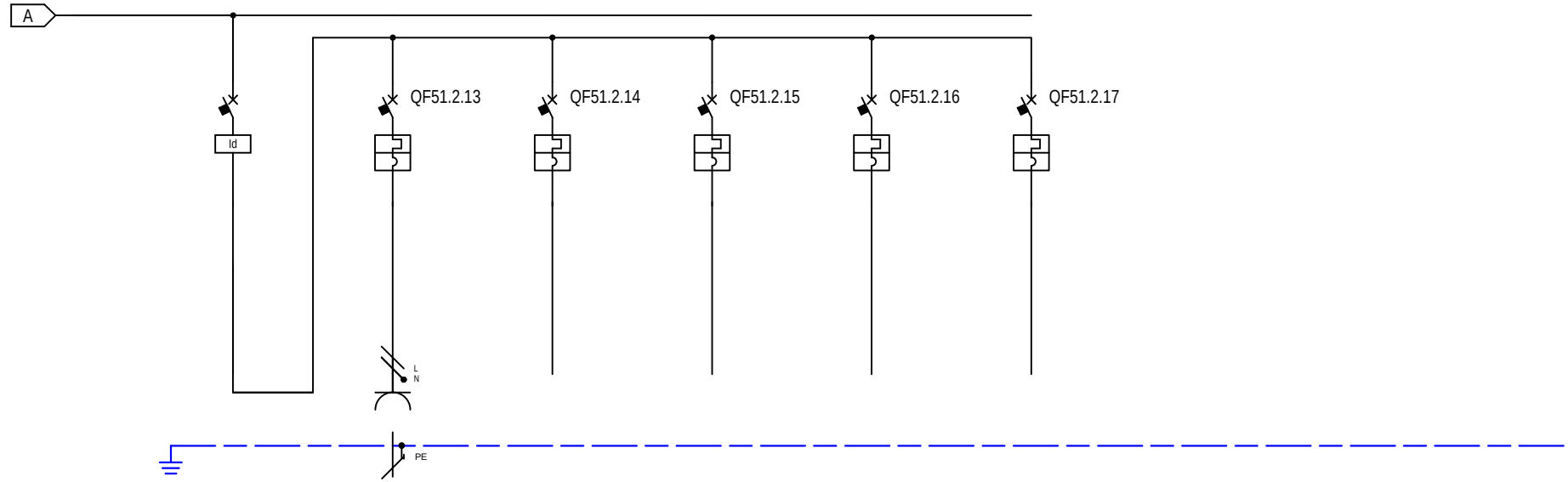
CUSTOMER Fondi Shqiptar i Zhvillimit

PLANT Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike"

| | | | |
|---|---|---|---|
| PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri, _[Q51]_[P.E.SH.O4-K.+1.UPS].dwg |
| ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| DESIGNER | Besart DALLIU | PAGE | 4 |
| | | REVISION | 00 |
| | | NEXT | |
| | | DRAWING | |

Schneider Electric

REF. SWITCHBOARD [P.E.SH.O4-K.+1.UPS]




TERMINALS NUMBERING WC51.2.13

| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT NUMBERING | DISTRIBUTION | | 17 L1L2L3N | 18 L1NPE | 19 L1NPE | 20 L2NPE | 21 L3NPE | 22 L3NPE | | | |
| CIRCUIT DESCRIPTION | | | Salvavide Grupi 03 Priza UPS | Linja L.13-Priza Zyre Drejtori Kati +1 | Linja L.14-Fuqie Rezerve 01 | Linja L.15-Fuqie Rezerve 02 | Linja L.16-Fuqie Rezerve 03 | Linja L.17-Fuqie Rezerve 04 | | | |
| EQUIPMENT | | | iID (4P) | iC40 a | iC40 a | iC40 a | iC40 a | iC40 a | | | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | | 6 | 6 | 6 | 6 | 6 | | | |
| | N. POLES | In [A] | 40 | 1P+N 16 | 1P+N 16 | 1P+N 16 | 1P+N 16 | 1P+N 16 | | | |
| | CURVE/TRIPPING UNIT | | | C | C | C | C | C | | | |
| | Ir [A] | tr [s] | | 16 | 16 | 16 | 16 | 16 | | | |
| | Isd [A] | tsd [s] | | 160 | 160 | 160 | 160 | 160 | | | |
| | Ii [xIn] | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | RCD | AC | | | | | | | |
| | Idn [A] | tdn [ms] | 0,03 | Instantaneous | | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES In [A] | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | | XLPE 31 - E | | | | | | | |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | | 1x2,5 1x2,5 1x2,5 | | | | | | | |
| | Ib [A] | Iz [A] | | 4,8 36 | | | | | | | |
| | Un [V] | Pn [kW] | 1 | 230 1 | | | | | | | |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | | 0,2 0,5 | | | | | | | |
| | LENGTH [m] | dV TOTAL [%] | | 20 3,5 | | | | | | | |
| NOTES | | | | | | | | | | | |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CUSTOMER Fondi Shqiptar i Zhvillimit

PROJECT Skemat TU_Poli i Ri i TISK

FILE e7. skema tu, poli i ri, _[Q51]_[P.E.SH.O4-K.+1.UPS].dwg

ARCHIVE BD-2024

DATE 01/07/2024

REVISION 00

DESIGNER Besart DALLIU

PAGE 5

NEXT

PLANT Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike"

DRAWING

END USER

# Objekti "Poli i Ri Teknologjise se Informacionit

dhe Sigurise Kibernetike"

Sauk, Tirane

JOB ORDER

## Fondi Shqiptar i Zhvillimit

SWITCHBOARD

## Paneli Elektrik Shperndares Objekti 4 - Kati +2_Seksioni UPS

### SWITCHBOARD CHARACTERISICS

| | | | |
|---|---|---|---|
| UPSTREAM PLANT | | | |
| [P.E.K.UPS-K.+0] | | | |
| Tirane | | | |
| VOLTAGE [V] | 400 | FREQ. [Hz] | 50 |
| SWITCHBOARD RATED CURRENT [A] | | | |
| SWITCHBOARD PERSPECTIVE CURRENT [kA] | | | 2,3 |
| 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 |
| | ☐ | |

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| | | | | | |
|---|---|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri, _[Q52]_[P.E.SH.O.4-K.+2.UPS].dwg |
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 1 |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | DRAWING | |

REVISION 00

NEXT

# 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

**C.B. Type (Y)**

| MicroLogic 6.3 E-M ( ComPacT NSX ) | | | | MicroLogic 5.0 H ( ComPacT NS ) | | | MicroLogic 2.0 X ( MasterPacT MTZ ) | | | ETS 2.2 ( EasyPacT CVS ) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (W)=Type of protection (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) | (Y) | (Z) | (K) | (W) | (Y) | (Z) | (W) | (Y) | (J) | (W) | (Y) | | |
| SI | 3 | - | M | - | - | - | - | - | - | - | - | | |
| LSIG | 2 | - | G | - | - | - | - | - | - | - | - | | |
| LSIG | 3 | - | Distribution | - | - | - | - | - | - | - | - | | |
| LSIG | 3 | - | M | - | - | - | - | - | - | - | - | | |
| LSIR | 2 | - | Distribution + earth Leakage | - | - | - | - | - | - | - | - | | |
| LSIR | 3 | - | Distribution + earth Leakage | - | - | - | - | - | - | - | - | | |
| LSI | 2 | A | Distribution | - | - | - | - | - | - | - | - | | |
| LSI | 3 | E | Distribution | - | - | - | - | - | - | - | - | | |
| LSIG | 3 | E | M | - | - | - | - | - | - | - | - | | |
| LSI | 2 | E | Distribution + earth Leakage | - | - | - | - | - | - | - | - | | |
| LSIR | 3 | E | Distribution + earth Leakage | - | - | - | - | - | - | - | - | | |
| - | - | - | - | LI | 0 | - | - | - | - | - | - | | |
| - | - | - | - | LSI | 0 | - | - | - | - | - | - | | |
| - | - | - | - | LI | 0 | A | - | - | - | - | - | | |
| - | - | - | - | LSI | 0 | A | - | - | - | - | - | | |
| - | - | - | - | LSIG | 0 | A | - | - | - | - | - | | |
| - | - | - | - | LSIR | 0 | A | - | - | - | - | - | | |
| - | - | - | - | LI | 0 | E | - | - | - | - | - | | |
| - | - | - | - | LSI | 0 | E | - | - | - | - | - | | |
| - | - | - | - | LSIG | 0 | E | - | - | - | - | - | | |
| - | - | - | - | LSI | 0 | P | - | - | - | - | - | | |
| - | - | - | - | LSIG | 0 | P | - | - | - | - | - | | |
| - | - | - | - | LSIR | 0 | P | - | - | - | - | - | | |
| - | - | - | - | LSI | 0 | H | - | - | - | - | - | | |
| - | - | - | - | LSIG | 0 | H | - | - | - | - | - | | |
| - | - | - | - | LSIR | 0 | H | - | - | - | - | - | | |
| - | - | - | - | - | - | - | LI | 0 | X | - | - | | |
| - | - | - | - | - | - | - | LSI | 0 | X | - | - | | |
| - | - | - | - | - | - | - | LSIG | 0 | X | - | - | | |
| - | - | - | - | - | - | - | LSIR | 0 | X | - | - | | |
| - | - | - | - | - | - | - | - | - | - | LSI | 2 | | |
| - | - | - | - | - | - | - | - | - | - | LSI | 3 | | |

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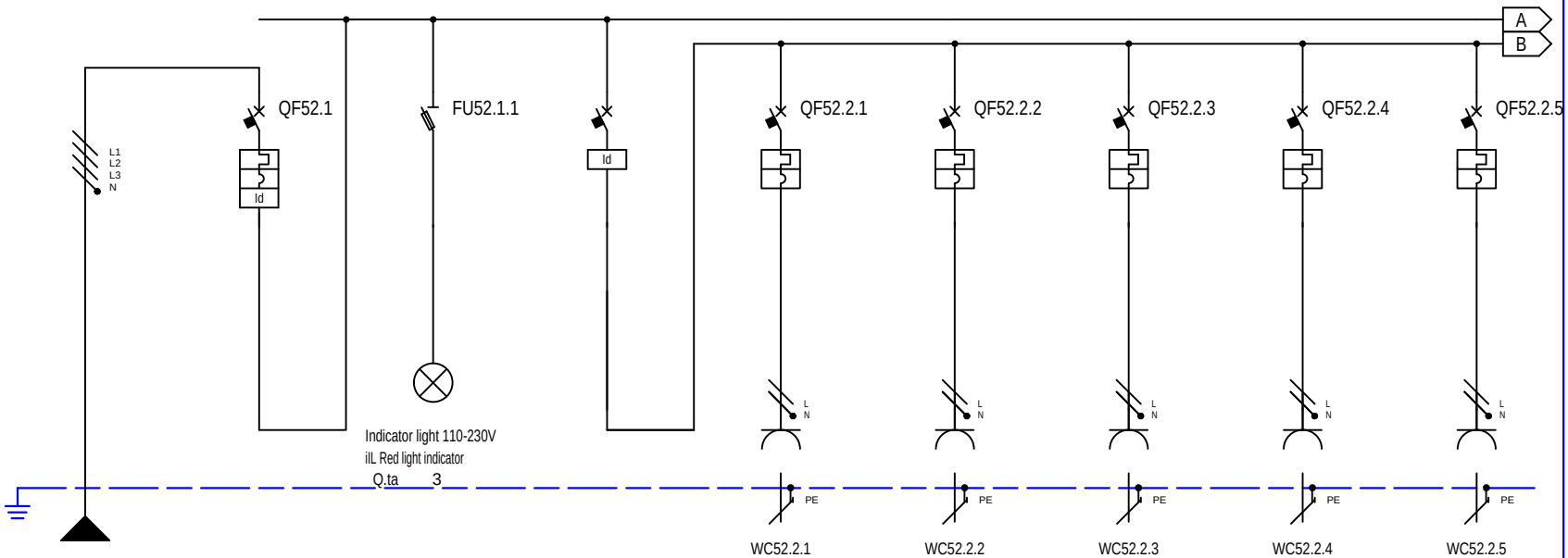
| | | | |
|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT Skemat TU_Poli i Ri i TISK | FILE e7. skema tu, poli i ri, _[Q52]_[P.E.SH.O.4-K.+2.UPS].dwg |
| | | ARCHIVE BD-2024 | DATE 01/07/2024 REVISION 00 |
| | | DESIGNER Besart DALLIU | PAGE 2 NEXT |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | TABLE |

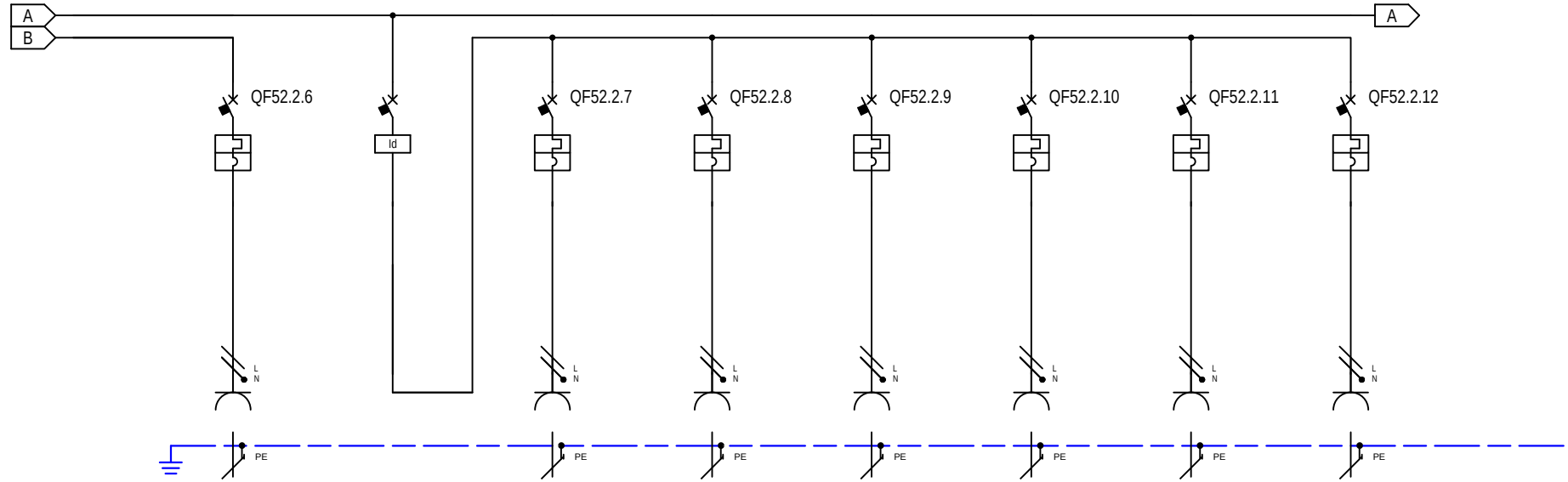
REF. SWITCHBOARD [P.E.SH.O.4-K.+2.UPS]




TERMINALS NUMBERING — WC52.2.1 | WC52.2.2 | WC52.2.3 | WC52.2.4 | WC52.2.5

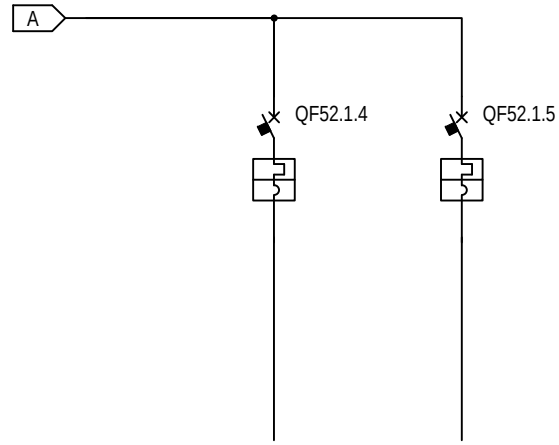
| | | |

| REF. SWITCHBOARD | [P.E.SH.O.4-K.+2.UPS] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




| | | |

| REF. SWITCHBOARD | [P.E.SH.O.4-K.+2.UPS] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




TERMINALS NUMBERING

| | | |

END USER

# Objekti "Poli i Ri Teknologjise se Informacionit

dhe Sigurise Kibernetike"

Sauk, Tirane

JOB ORDER

## Fondi Shqiptar i Zhvillimit

SWITCHBOARD

## Paneli Elektrik Shperndares Objekti 4- Kati +0

### SWITCHBOARD CHARACTERISICS

| | | | |
|---|---|---|---|
| UPSTREAM PLANT<br>[P.E.K.O4-K.-1]<br>Tirane | | | |
| VOLTAGE [V] | 400 | FREQ. [Hz] | 50 |
| SWITCHBOARD RATED CURRENT [A] | | | |
| SWITCHBOARD PERSPECTIVE CURRENT [kA] | | | 3,6 |
| NEUTRAL SYSTEM | | | TNS |
| BUSBAR SIZE<br>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 |
| | ☐ | |

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| | | | | | |
|---|---|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri,_[Q53]_[P.E.SH.O4-K.+0].dwg |
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 1 |
| | | | | REVISION | 00 |
| | | | | NEXT | |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | DRAWING | |

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

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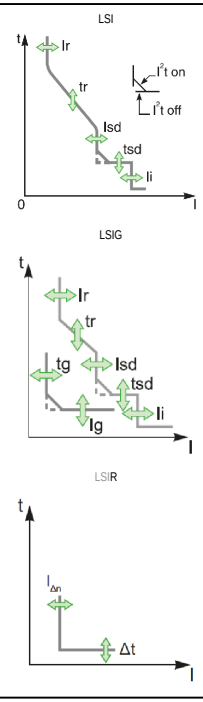
| | MicroLogic 6.3 E-M ( ComPacT NSX ) | | | | MicroLogic 5.0 H ( ComPacT NS ) | | | | MicroLogic 2.0 X ( MasterPacT MTZ ) | | | | ETS 2.2 ( EasyPacT CVS ) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (W)=Type of protection (Y)=C.B. Type (Z)=Type of Measurement (K)=Application | | | | (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) | (Y) | (Z) | (K) | (W) | (Y) | (Z) | | (W) | (Y) | (J) | | (W) | (Y) | | |
| a lÖÑl2[ƷƷlÖ HlΛn a | SI | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ oΛo D | $LS_0I$ | 2 | - | G | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ oΛn | $LS_0I$ | 3 | - | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ oΛn a | $LS_0I$ | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ ±ƷΛl pΛo | $LS_0IR$ | 2 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ ±ƷΛl pΛn ! [ | $LS_0I$ | 3 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ cΛo ! | LSI | 2 | A | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ cΛn 9 | LSI | 3 | E | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ TΛn 9ρ a | LSIG | 3 | E | M | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ ±ƷΛl yΛo 9ρ ! [ | LSI | 2 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ ±ƷΛl yΛn 9 | LSIR | 3 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ oΛM | - | - | - | - | LI | 0 | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ cΛM | - | - | - | - | LSI | 0 | - | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ oΛM ! | - | - | - | - | LI | 0 | A | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ cΛM ! | - | - | - | - | LSI | 0 | A | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ TΛM ! | - | - | - | - | LSIG | 0 | A | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ yΛM ! | - | - | - | - | LSIR | 0 | A | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ oΛM 9 | - | - | - | - | LI | 0 | E | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ cΛM 9 | - | - | - | - | LSI | 0 | E | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ TΛM 9 | - | - | - | - | LSIG | 0 | E | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ cΛM t | - | - | - | - | LSI | 0 | P | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ TΛM t | - | - | - | - | LSIG | 0 | P | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ yΛM t | - | - | - | - | LSIR | 0 | P | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ cΛM I | - | - | - | - | LSI | 0 | H | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ TΛM I | - | - | - | - | LSIG | 0 | H | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ yΛM I | - | - | - | - | LSIR | 0 | H | | - | - | - | | - | - | | |
| a lÖÑl2[ƷƷlÖ oΛM · | - | - | - | - | - | - | - | | LI | 0 | X | | - | - | | |
| a lÖÑl2[ƷƷlÖ cΛM · | - | - | - | - | - | - | - | | LSI | 0 | X | | - | - | | |
| a lÖÑl2[ƷƷlÖ TΛM · | - | - | - | - | - | - | - | | LSIG | 0 | X | | - | - | | |
| a lÖÑl2[ƷƷlÖ yΛM · | - | - | - | - | - | - | - | | LSIR | 0 | X | | - | - | | |
| 9¢{ oΛo | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 2 | | |
| 9¢{ oΛn | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 3 | | |

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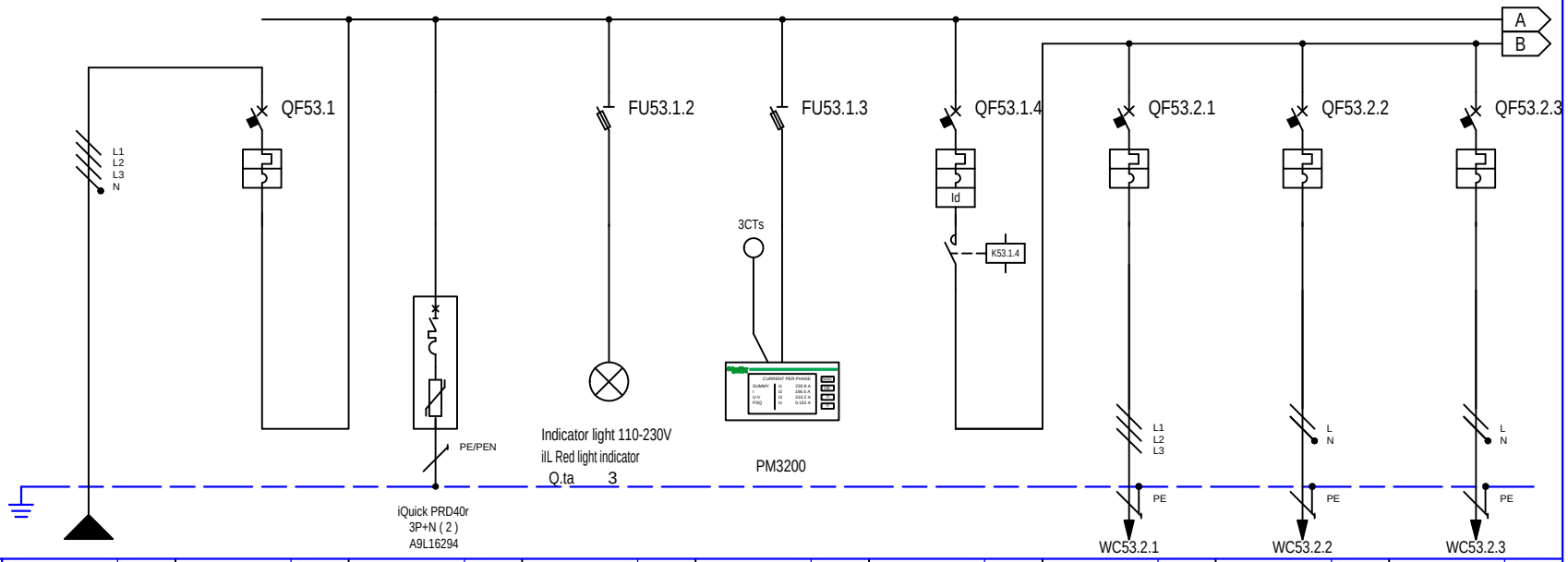
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK |
| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | FILE | e7. skema tu, poli i ri,_[Q53]_[P.E.SH.O4-K.+0].dwg |
| | | DATE | 01/07/2024 |
| | | PAGE | 2 |
| | | TABLE | |
| | | REVISION | 00 |
| | | NEXT | |

REF. SWITCHBOARD [P.E.SH.O4-K.+0]




TERMINALS NUMBERING

| CIRCUIT NUMBERING | | DISTRIBUTION | | L1L2L3NPE | 1 | | 2 | L1L2L3NPE | 3 | L1NPE | 4 | L1L2L3NPE | 5 | L1L2L3NPE | 6 | L1L2L3PE | 7 | L2NPE | 8 | L3NPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT DESCRIPTION | | | Linja L.01 Vjen nga Paneli P.E.K.TU | | Linja L.01 Vjen nga Paneli P.E.K.TU | | Shkarkues Mbitensioni 3F + Mbrojtje | | Llambe sinjalizimi 3F + Mbrojtje me Bllok Siguresa | | Multimeter digital Parametrave Rrjetit + Mbrotje Siguresa | | Automat+Dif.Kryesor Grupi 01 - HVAC Pa Gjenerator | | Linja L.01-Fuqie Rekuperator Ajrit Zyrat Kati +0 | | Linja L.02-HVAC HVAC Fancoil Zyra (2pcs) | | Linja L.03-HVAC HVAC Fancoil Zyra (2pcs) | |
| EQUIPMENT | | | | | iC60 N | | | | SBI50 | | SBI50 | | iC60 N | | iC60 N | | iC40 a | | iC40 a | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | | | 10 | | | | 100 | | 100 | | 10 | | 10 | | 6 | | 6 | |
| | N. POLES | In [A] | | | 4P | 50 | | | 3P+N | | 3P+N | | 4P | 25 | 4P | 20 | 1P+N | 16 | 1P+N | 16 |
| | CURVE/TRIPPING UNIT | | | | C | | | | | | | | C | | C | | C | | C | |
| | Ir [A] | tr [s] | | | 50 | | | | | | | | 25 | | 20 | | 16 | | 16 | |
| | Isd [A] | tsd [s] | | | 500 | | | | | | | | 250 | | 200 | | 160 | | 160 | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | | | | | | Acti9 Vigi | AC | | | | | | |
| | Idn [A] | tdn [ms] | | | | | | | | | | | 0,03 | Instantaneous | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | | iCT Na | AC7a | | | | | | |
| IMPULSE RELAY | COIL | N. POLES In [A] | | | | | | | | | | | 230ca | 4P 20 | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE | 31 - E | | | | | | | | | | | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x6 | 1x6 1x6 | | | | | | | | | | | 1x4 | 1x4 | 1x2,5 | 1x2,5 1x2,5 | 1x2,5 | 1x2,5 1x2,5 |
| | Ib [A] | Iz [A] | 29,9 | 54 | | | | | | | | | | | 7,6 | 42 | 1,9 | 36 | 1,9 | 36 |
| | Un [V] | Pn [kW] | 400 | 17,92 | | 17,92 | | | | | | | | 8,4 | 400 | 4,5 | 230 | 0,4 | 230 | 0,4 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 0,8 | 3,6 | | | | | | | | | | | 0,3 | 0,8 | 0,4 | 0,9 | 0,4 | 0,9 |
| | LENGTH [m] | dV TOTAL [%] | 20 | 1,6 | | | | | | | | | | | 55 | 2,5 | 10 | 1,8 | 10 | 1,8 |
| NOTES | | | | | | | | | | | | | | | | | | | | |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PLANT Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike"

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|---|---|---|---|
| PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri,_[Q53]_[P.E.SH.O4-K.+0].dwg |
| ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| DESIGNER | Besart DALLIU | PAGE | 3 |
| | | REVISION | 00 |
| | | NEXT | |
| | | DRAWING | |

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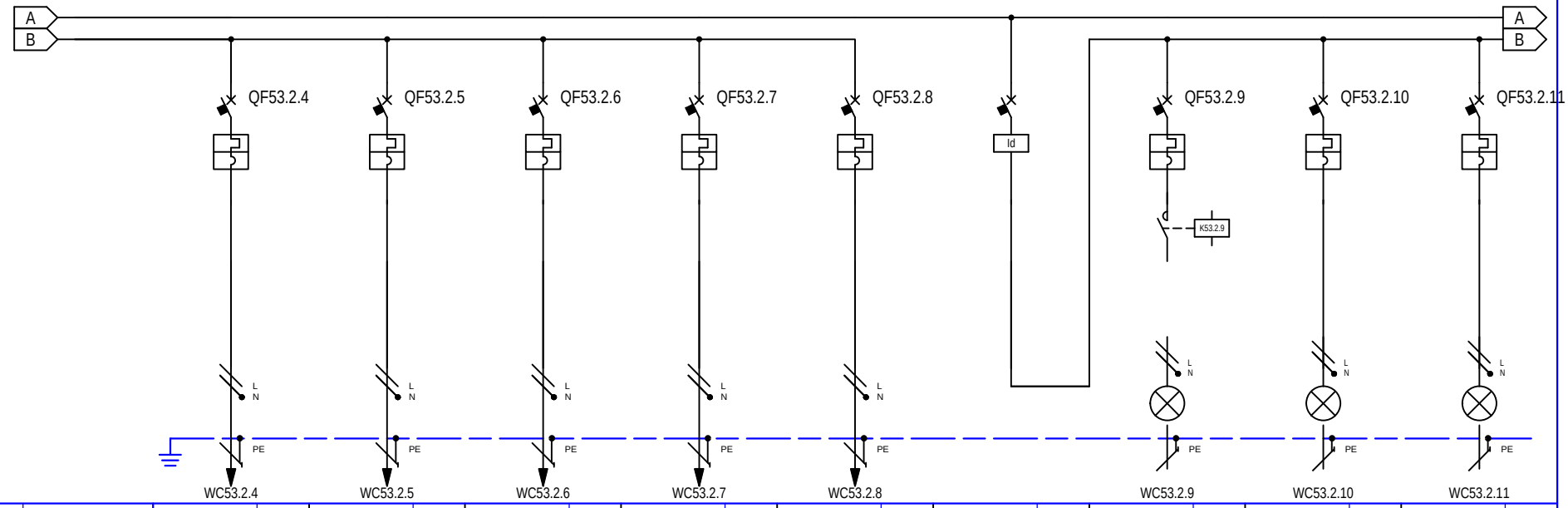
REF. SWITCHBOARD [P.E.SH.O4-K.+0]




| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TERMINALS NUMBERING | | | WC53.2.4 | WC53.2.5 | WC53.2.6 | WC53.2.7 | WC53.2.8 | | WC53.2.9 | WC53.2.10 | WC53.2.11 |
| CIRCUIT NUMBERING | | DISTRIBUTION | 9 L2NPE | 10 L2NPE | 11 L3NPE | 12 L2NPE | 13 L1NPE | 14 L1L2L3N | 15 L2NPE | 16 L1NPE | 17 L3NPE |
| CIRCUIT DESCRIPTION | | | Linja L.04-HVAC HVAC Fancoil Zyra (3pcs) | Linja L.05-HVAC HVAC Fancoil Zyra (3pcs) | Linja L.06-HVAC HVAC Fancoil Zyra (2pcs) | Linja L.06-HVAC HVAC Fancoil Korridor (2pcs) | Linja L.07-Priza Boiler Tualket | Salvavide Grupi 02 Ndricimi | Linja L.08-Ndricimi Korridor Kati +0 | Linja L.09-Ndricimi Shkallet kati +0 | Linja L.10-Ndricimi Salle Mbledhje Kati +0 |
| EQUIPMENT | | | iC40 a | iC40 a | iC40 a | iC40 a | iC40 a | iID (4P) | iC40 a | iC40 a | iC40 a |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 6 | 6 | 6 | 6 | 6 | | 6 | 6 | 6 |
| | N. POLES | In [A] | 1P+N 16 | 1P+N 16 | 1P+N 16 | 1P+N 16 | 1P+N 16 | 25 | 1P+N 10 | 1P+N 10 | 1P+N 10 |
| | CURVE/TRIPPING UNIT | | C | C | C | C | C | | C | C | C |
| | Ir [A] | tr [s] | 16 | 16 | 16 | 16 | 16 | | 10 | 10 | 10 |
| | Isd [A] | tsd [s] | 160 | 160 | 160 | 160 | 160 | | 100 | 100 | 100 |
| | Ii [xIn] | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | RCD A | | | |
| | Idn [A] | tdn [ms] | | | | | | 0,03 Instantaneous | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | iCT Na | AC7a | |
| IMPULSE RELAY | COIL N. POLES | In [A] | | | | | | | 230ca 2P | 16 | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x2,5 1x2,5 1x2,5 | 1x2,5 1x2,5 1x2,5 | 1x2,5 1x2,5 1x2,5 | 1x2,5 1x2,5 1x2,5 | 1x2,5 1x2,5 1x2,5 | | 1x4 1x4 1x4 | 1x2,5 1x2,5 1x2,5 | 1x2,5 1x2,5 1x2,5 |
| | Ib [A] | Iz [A] | 1,9 36 | 1,9 36 | 1,9 36 | 1,9 36 | 7,2 36 | | 3,8 49 | 3,8 36 | 3,8 36 |
| | Un [V] | Pn [kW] | 230 0,4 | 230 0,4 | 230 0,4 | 230 0,4 | 230 1,5 | 5,6 | 230 0,8 | 230 0,8 | 230 0,8 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 0,4 0,9 | 0,4 0,9 | 0,4 0,9 | 0,4 0,9 | 0,4 0,9 | | 0,1 0,3 | 0,1 0,2 | 0,1 0,3 |
| | LENGTH [m] | dV TOTAL [%] | 10 1,8 | 10 1,8 | 10 1,8 | 10 1,8 | 10 2,1 | | 65 2,8 | 60 3,3 | 45 2,9 |
| NOTES | | | | | | | | | | | |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PROJECT Skemat TU_Poli i Ri i TISK
ARCHIVE BD-2024
DESIGNER Besart DALLIU

FILE e7. skema tu, poli i ri,_[Q53]_[P.E.SH.O4-K.+0].dwg
DATE 01/07/2024
PAGE 4
REVISION 00
NEXT

PLANT Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike"

DRAWING

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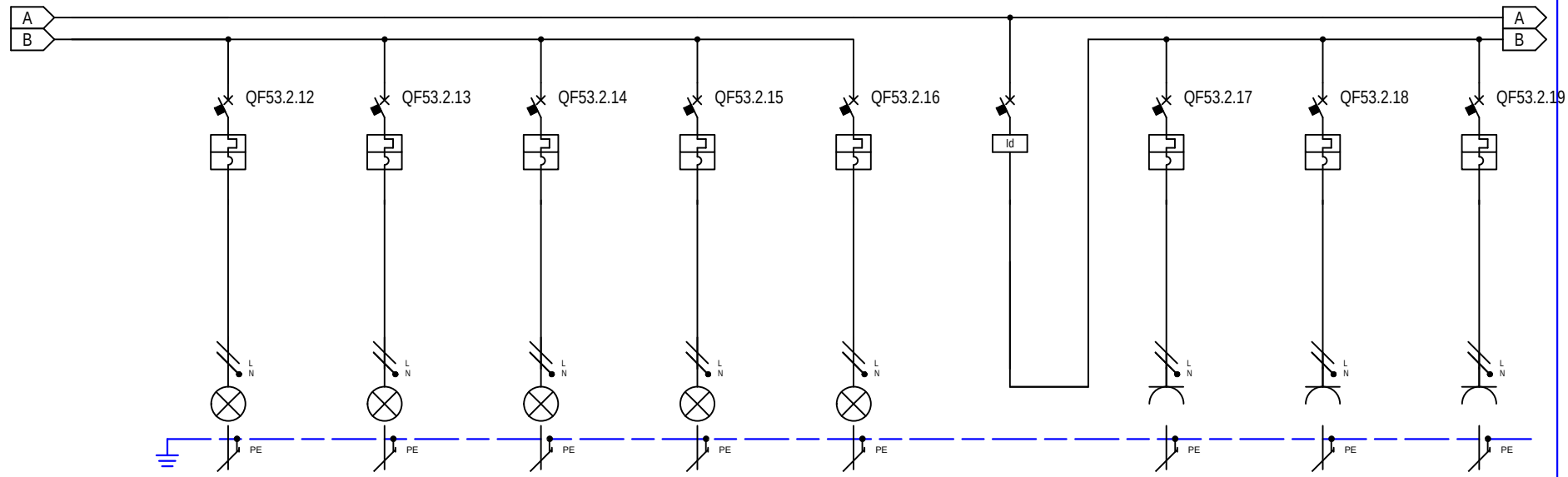
REF. SWITCHBOARD [P.E.SH.O4-K.+0]




| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TERMINALS NUMBERING | | | WC53.2.12 | WC53.2.13 | WC53.2.14 | WC53.2.15 | WC53.2.16 | | WC53.2.17 | WC53.2.18 | WC53.2.19 |
| CIRCUIT NUMBERING | DISTRIBUTION | | 18 L3NPE | 19 L2NPE | 20 L3NPE | 21 L1NPE | 22 L2NPE | 23 L1L2L3N | 24 L1NPE | 25 L2NPE | 26 L3NPE |
| CIRCUIT DESCRIPTION | | | Linja L.11-Ndricimi Salle trajnimi Kati +0 | Linja L.12-Ndricimi Korridor B.020 | Linja L.13-Ndricimi Korridor B.025 | Linja L.14-Ndricimi WC+Shkalle+PAK+B.021 B.022+B.023+B.024 | Linja L.15-Ndricimi Dh.Panele+K.Elektrik B.019+B.020 | Salvavide Grupi 03 Priza | Linja L.16-Priza Zyra Kati 0 | Linja L.17-Priza Klasa Kati 0 | Linja L.18-Priza Klasa Kati 0 |
| EQUIPMENT | | | iC40 a | iC40 a | iC40 a | iC40 a | iC40 a | iID (4P) | iC40 a | iC40 a | iC40 a |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 6 | 6 | 6 | 6 | 6 | | 6 | 6 | 6 |
| | N. POLES | In [A] | 1P+N 10 | 1P+N 10 | 1P+N 10 | 1P+N 10 | 1P+N 10 | 40 | 1P+N 16 | 1P+N 16 | 1P+N 16 |
| | CURVE/TRIPPING UNIT | | C | C | C | C | C | | C | C | C |
| | Ir [A] | tr [s] | 10 | 10 | 10 | 10 | 10 | | 16 | 16 | 16 |
| | Isd [A] | tsd [s] | 100 | 100 | 100 | 100 | 100 | | 160 | 160 | 160 |
| | Ii [xIn] | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | RCD AC | | | |
| | Idn [A] | tdn [ms] | | | | | | 0,03 Instantaneous | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | |
| IMPULSE RELAY | COIL N. POLES | In [A] | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x1,5 1x1,5 1x1,5 | 1x1,5 1x1,5 1x1,5 | 1x2,5 1x2,5 1x2,5 | 1x1,5 1x1,5 1x1,5 | 1x1,5 1x1,5 1x1,5 | | 1x2,5 1x2,5 1x2,5 | 1x2,5 1x2,5 1x2,5 | 1x2,5 1x2,5 1x2,5 |
| | Ib [A] | Iz [A] | 2,4 26 | 3,8 26 | 4,8 36 | 2,9 26 | 1,4 26 | | 4,8 36 | 4,8 36 | 4,8 36 |
| | Un [V] | Pn [kW] | 230 0,5 | 230 0,8 | 230 1 | 230 0,6 | 230 0,3 | 6 | 230 1 | 230 1 | 230 1 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 0,2 0,4 | 0,1 0,3 | 0,2 0,4 | 0,1 0,3 | 0,3 0,7 | | 0,4 0,9 | 0,3 0,7 | 0,3 0,6 |
| | LENGTH [m] | dV TOTAL [%] | 20 2,2 | 30 3 | 35 2,9 | 25 2,5 | 10 1,8 | | 10 2 | 15 2,1 | 18 2,3 |
| NOTES | | | | | | | | | | | |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| PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri,_[Q53]_[P.E.SH.O4-K.+0].dwg |
| ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| DESIGNER | Besart DALLIU | PAGE | 5 |
| | | REVISION | 00 |
| | | NEXT | |
| | | DRAWING | |

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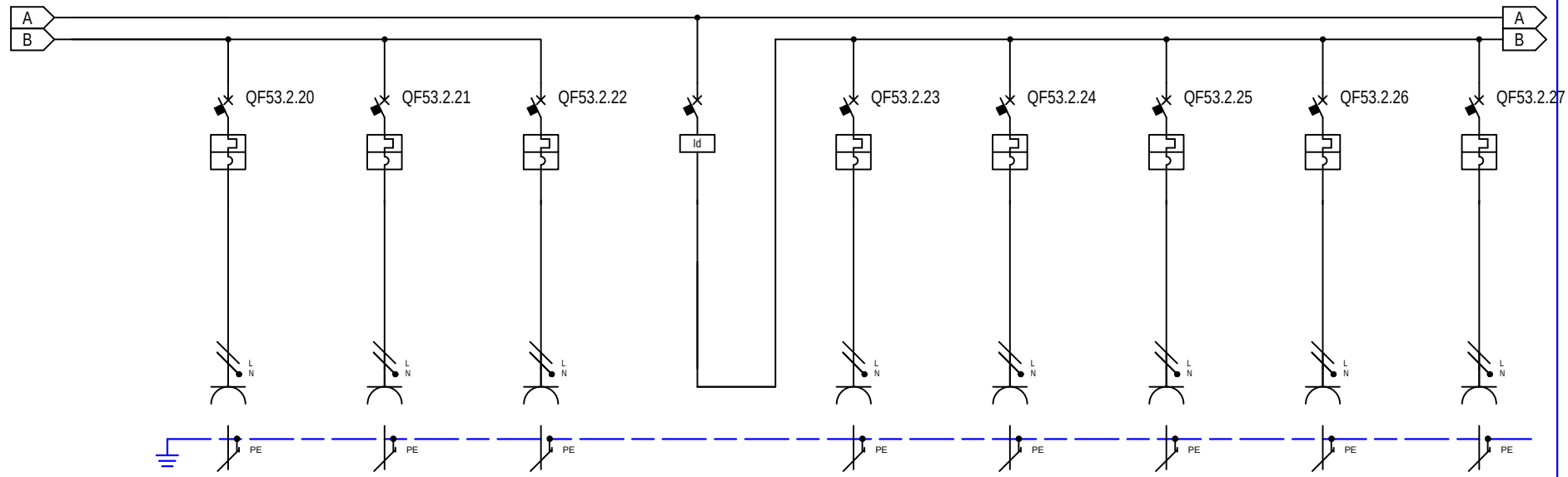


| REF. SWITCHBOARD | [P.E.SH.O4-K.+0] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| TERMINALS NUMBERING | | WC53.2.20 | WC53.2.21 | WC53.2.22 | | WC53.2.23 | WC53.2.24 | WC53.2.25 | WC53.2.26 | WC53.2.27 |
| CIRCUIT NUMBERING | DISTRIBUTION | 27 L1NPE | 28 L2NPE | 29 L3NPE | 30 L1L2L3N | 31 L1NPE | 32 L2NPE | 33 L3NPE | 34 L1NPE | 35 L2NPE |
| CIRCUIT DESCRIPTION | | Linja L.19-Priza Klasa Kati 0 | Linja L.20-Priza Klasa Kati 0 | Linja L.21-Priza Klasa B.010 | Salvavide Grupi 04 Priza | Linja L.22-Priza Klasa B.013 | Linja L.23-Priza Dhoma Paneleve B.019 | Linja L.24-Priza WC + PAK B.021+B.022 | Linja L.25-Priza Korridor B.025 | Linja L.26-Priza Korridor B.026 |
| EQUIPMENT | | iC40 a | iC40 a | iC40 a | iID (4P) | iC40 a | iC40 a | iC40 a | iC40 a | iC40 a |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | 6 | 6 | 6 | | 6 | 6 | 6 | 6 | 6 |
| | N. POLES / In [A] | 1P+N / 16 | 1P+N / 16 | 1P+N / 16 | 40 | 1P+N / 16 | 1P+N / 16 | 1P+N / 16 | 1P+N / 16 | 1P+N / 16 |
| | CURVE/TRIPPING UNIT | C | C | C | | C | C | C | C | C |
| | Ir [A] / tr [s] | 16 | 16 | 16 | | 16 | 16 | 16 | 16 | 16 |
| | Isd [A] / tsd [s] | 160 | 160 | 160 | | 160 | 160 | 160 | 160 | 160 |
| | Ii [xIn] | | | | | | | | | |
| | Ig [A] / tg [s] | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE / CLASS | | | | RCD / AC | | | | | |
| | Idn [A] / tdn [ms] | | | | 0,03 / Instantaneous | | | | | |
| CONTACTOR | TYPE / CLASS | | | | | | | | | |
| IMPULSE RELAY | COIL / N. POLES / In [A] | | | | | | | | | |
| THERMAL RELAY | TYPE / Irth [A] | | | | | | | | | |
| FUSE | N. POLES / In [A] | | | | | | | | | |
| OTHER | TYPE / MODEL | | | | | | | | | |
| CONDUCTORS | INSULATION / INST.METHOD | XLPE / 31 - E | XLPE / 31 - E | XLPE / 31 - E | | XLPE / 31 - E | XLPE / 31 - E | XLPE / 31 - E | XLPE / 31 - E | XLPE / 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | 1x2,5 / 1x2,5 / 1x2,5 | 1x2,5 / 1x2,5 / 1x2,5 | 1x2,5 / 1x2,5 / 1x2,5 | | 1x2,5 / 1x2,5 / 1x2,5 | 1x2,5 / 1x2,5 / 1x2,5 | 1x2,5 / 1x2,5 / 1x2,5 | 1x2,5 / 1x2,5 / 1x2,5 | 1x2,5 / 1x2,5 / 1x2,5 |
| | Ib [A] / Iz [A] | 4,8 / 36 | 4,8 / 36 | 4,8 / 36 | | 4,8 / 36 | 4,8 / 36 | 4,8 / 36 | 4,8 / 36 | 3,8 / 36 |
| | Un [V] / Pn [kW] | 230 / 1 | 230 / 1 | 230 / 1 | 5,6 | 230 / 1 | 230 / 1 | 230 / 1 | 230 / 1 | 230 / 0,8 |
| BOTTOM OF THE LINE | Icc min [kA] / Icc max [kA] | 0,3 / 0,6 | 0,2 / 0,6 | 0,2 / 0,6 | | 0,2 / 0,5 | 0,4 / 0,9 | 0,3 / 0,7 | 0,4 / 0,9 | 0,2 / 0,4 |
| | LENGTH [m] / dV TOTAL [%] | 20 / 2,3 | 22 / 2,4 | 22 / 2,4 | | 25 / 2,5 | 10 / 2 | 15 / 2,1 | 10 / 2 | 33 / 2,6 |
| NOTES | | | | | | | | | | |

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| | | ARCHIVE BD-2024 | DATE 01/07/2024 REVISION 00 |
| | | DESIGNER Besart DALLIU | PAGE 6 NEXT |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | DRAWING |

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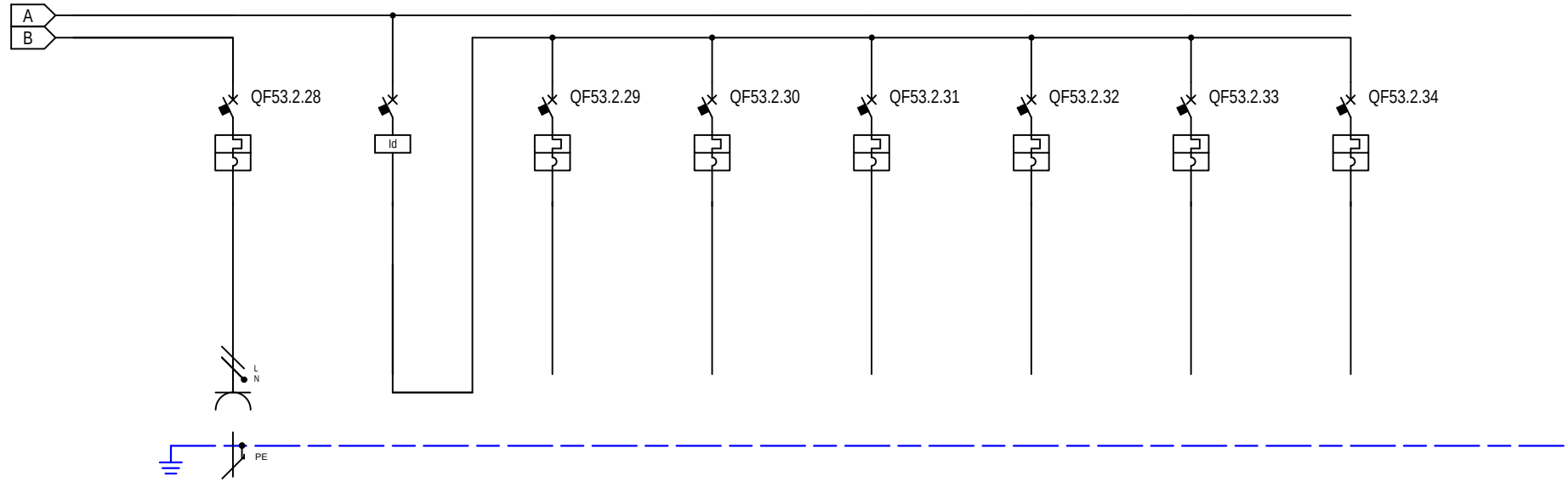
| REF. SWITCHBOARD | [P.E.SH.O4-K.+0] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




TERMINALS NUMBERING WC53.2.28

| CIRCUIT NUMBERING | | DISTRIBUTION | 36 | L3NPE | 37 | L1L2L3N | 38 | L1L2L3NPE | 39 | L1NPE | 40 | L1NPE | 41 | L2NPE | 42 | L2NPE | 43 | L3NPE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT DESCRIPTION | | | Linja L.27-Priza Korridor B.027 | | Salvavide Grupi 05 Rezerve | | Linja L.28- 3F Rezeve 01 | | Linja L.29- 1F Rezeve 02 | | Linja L.30- 1F Rezeve 03 | | Linja L.31-1F Rezeve 04 | | Linja L.32-1F Rezeve 05 | | Linja L.33-1F Rezeve 06 | | | |
| EQUIPMENT | | | iC40 a | | iID (4P) | | iC40 N | | iC40 a | | iC40 a | | iC40 a | | iC40 a | | iC40 a | | | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 6 | | | | 10 | | 6 | | 6 | | 6 | | 6 | | 6 | | | |
| | N. POLES | In [A] | 1P+N | 16 | | 25 | 3P+N | 16 | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 | 1P+N | 10 | | |
| | CURVE/TRIPPING UNIT | | C | | | | C | | C | | C | | C | | C | | C | | | |
| | Ir [A] | tr [s] | 16 | | | | 16 | | 16 | | 16 | | 16 | | 16 | | 10 | | | |
| | Isd [A] | tsd [s] | 160 | | | | 160 | | 160 | | 160 | | 160 | | 160 | | 100 | | | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | RCD | AC | | | | | | | | | | | | | | |
| | Idn [A] | tdn [ms] | | | 0,03 | Instantaneous | | | | | | | | | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES / In [A] | | | | | | | | | | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE | 31 - E | | | | | | | | | | | | | | | | |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x2,5 | 1x2,5 / 1x2,5 | | | | | | | | | | | | | | | | |
| | Ib [A] | Iz [A] | 3,8 | 36 | | | | | | | | | | | | | | | | |
| | Un [V] | Pn [kW] | 230 | 0,8 | | | | | | | | | | | | | | | | |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 0,2 | 0,4 | | | | | | | | | | | | | | | | |
| | LENGTH [m] | dV TOTAL [%] | 33 | 2,6 | | | | | | | | | | | | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | |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| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT Skemat TU_Poli i Ri i TISK | FILE e7. skema tu, poli i ri,_[Q53]_[P.E.SH.O4-K.+0].dwg |
| | | ARCHIVE BD-2024 | DATE 01/07/2024 REVISION 00 |
| | | DESIGNER Besart DALLIU | PAGE 7 NEXT |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | DRAWING | Schneider Electric |

END USER

# Objekti "Poli i Ri Teknologjise se Informacionit

dhe Sigurise Kibernetike"

Sauk, Tirane

JOB ORDER

## Fondi Shqiptar i Zhvillimit

SWITCHBOARD

## Paneli Elektrik Shperndares Objekti 4 - Kati +1

### SWITCHBOARD CHARACTERISICS

| | | | |
|---|---|---|---|
| UPSTREAM PLANT<br>[P.E.K.O4-K.-1]<br>Tirane | | | |
| VOLTAGE [V] | 400 | FREQ. [Hz] | 50 |
| SWITCHBOARD RATED CURRENT [A] | | | |
| SWITCHBOARD PERSPECTIVE CURRENT [kA] | | | 8 |
| NEUTRAL SYSTEM | | | TNS |
| BUSBAR SIZE<br>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 |
| | ☐ | |

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| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri,_[Q54]_[P.E.SH.O4-K.+1].dwg |
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 1 |
| | | | | REVISION | 00 |
| | | | | NEXT | |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | DRAWING | |

Schneider Electric

# 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

| | MicroLogic 6.3 E-M ( ComPacT NSX ) | | | | MicroLogic 5.0 H ( ComPacT NS ) | | | | MicroLogic 2.0 X ( MasterPacT MTZ ) | | | | ETS 2.2 ( EasyPacT CVS ) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (W) | (Y) | (Z) | (K) | (W) | (Y) | (Z) | | (W) | (Y) | (J) | | (W) | (Y) | | |
| a lÖÑl2[2ƎlÖ HlΛn a | SI | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ olo D | $LS_0I$ | 2 | - | G | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ olΛn | $LS_0I$ | 3 | - | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ olΛn a | $LS_0I$ | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ ±lƎl plo | $LS_0IR$ | 2 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ ±lƎl plΛn ! [ | $LS_0I$ | 3 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ clo ! | LSI | 2 | A | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ clΛn 9 | LSI | 3 | E | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ TlΛn 9ρ a | LSIG | 3 | E | M | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ ±lƎl ylo 9ρ ! [ | LSI | 2 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ ±lƎl ylΛn 9 | LSIR | 3 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ olM | - | - | - | - | LI | 0 | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ clM | - | - | - | - | LSI | 0 | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ olM ! | - | - | - | - | LI | 0 | A | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ clM ! | - | - | - | - | LSI | 0 | A | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ TlM ! | - | - | - | - | LSIG | 0 | A | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ ylM ! | - | - | - | - | LSIR | 0 | A | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ olM 9 | - | - | - | - | LI | 0 | E | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ clM 9 | - | - | - | - | LSI | 0 | E | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ TlM 9 | - | - | - | - | LSIG | 0 | E | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ clM t | - | - | - | - | LSI | 0 | P | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ TlM t | - | - | - | - | LSIG | 0 | P | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ ylM t | - | - | - | - | LSIR | 0 | P | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ clM I | - | - | - | - | LSI | 0 | H | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ TlM I | - | - | - | - | LSIG | 0 | H | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ ylM I | - | - | - | - | LSIR | 0 | H | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ olM · | - | - | - | - | - | - | - | | LI | 0 | X | | - | - | | |
| a lÖÑl2[2ƎlÖ clM · | - | - | - | - | - | - | - | | LSI | 0 | X | | - | - | | |
| a lÖÑl2[2ƎlÖ TlM · | - | - | - | - | - | - | - | | LSIG | 0 | X | | - | - | | |
| a lÖÑl2[2ƎlÖ ylM · | - | - | - | - | - | - | - | | LSIR | 0 | X | | - | - | | |
| 9¢{ olo | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 2 | | |
| 9¢{ olΛn | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 3 | | |

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| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | FILE | e7. skema tu, poli i ri,_[Q54]_[P.E.SH.O4-K.+1].dwg |
| | | DATE | 01/07/2024 |
| | | PAGE | 2 |
| | | TABLE | |
| | | REVISION | 00 |
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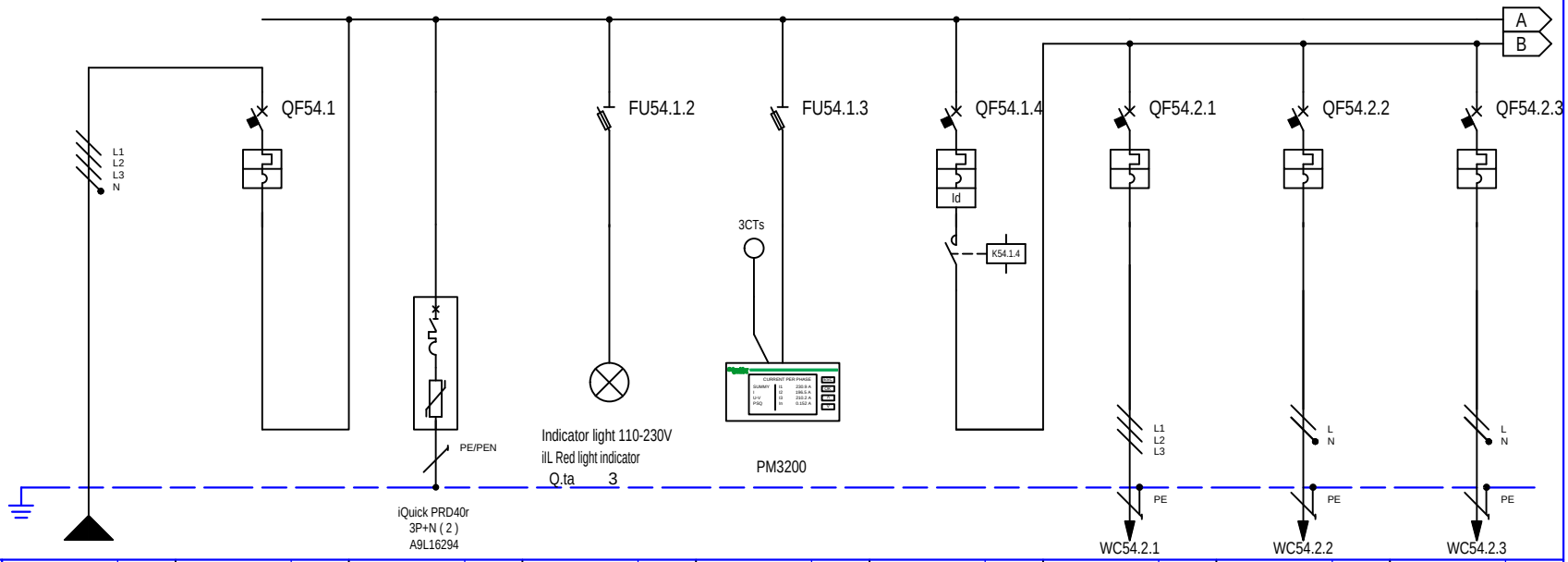
REF. SWITCHBOARD [P.E.SH.O4-K.+1]

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|




TERMINALS NUMBERING

| CIRCUIT NUMBERING | | DISTRIBUTION | | L1L2L3NPE | 1 | | 2 | L1L2L3NPE | 3 | L1NPE | 4 | L1L2L3NPE | 5 | L1L2L3NPE | 6 | L1L2L3PE | 7 | L2NPE | 8 | L2NPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT DESCRIPTION | | | | Linja L.01 Vjen nga Paneli P.E.K.TU | Linja L.01 Vjen nga Paneli P.E.K.TU | | Shkarkues Mbitensioni 3F + Mbrojtje | | Llambe sinjalizimi 3F + Mbrojtje me Bllok Siguresa | | Multimeter digital Parametrave Rrjetit + Mbrotje Siguresa | | Automat+Dif.Kryesor Grupi 01 - HVAC Pa Gjenerator | | Linja L.01-Fuqie Rekuperator Ajrit Zyrat Kati +1 | | Linja L.02-HVAC HVAC Fancoil Zyra (2pcs) | | Linja L.03-HVAC HVAC Fancoil Zyra (2pcs) | |
| EQUIPMENT | | | | | iC60 N | | | | SBI50 | | SBI50 | | iC60 N | | iC60 N | | iC40 a | | iC40 a | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | | | 10 | | | | 100 | | 100 | | 10 | | 10 | | 6 | | 6 | |
| | N. POLES | In [A] | | | 4P | 63 | | | 3P+N | | 3P+N | | 4P | 25 | 4P | 20 | 1P+N | 16 | 1P+N | 16 |
| | CURVE/TRIPPING UNIT | | | | C | | | | | | | | C | | C | | C | | C | |
| | Ir [A] | tr [s] | | | 63 | | | | | | | | 25 | | 20 | | 16 | | 16 | |
| | Isd [A] | tsd [s] | | | 630 | | | | | | | | 250 | | 200 | | 160 | | 160 | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | | | | | | Acti9 Vigi | AC | | | | | | |
| | Idn [A] | tdn [ms] | | | | | | | | | | | 0,03 | Instantaneous | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | | iCT Na | AC7a | | | | | | |
| IMPULSE RELAY | COIL | N. POLES | In [A] | | | | | | | | | | 230ca | 4P | 20 | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | | XLPE | 31 - E | | | | | | | | | | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | | 1x16 | 1x16 | 1x16 | | | | | | | | | 1x4 | 1x4 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 | 1x2,5 |
| | Ib [A] | Iz [A] | | 38,7 | 100 | | | | | | | | | | 7,6 | 42 | 1,9 | 36 | 1,9 | 36 |
| | Un [V] | Pn [kW] | | 400 | 23,03 | | | 23,03 | | | | | | 8,4 | 400 | 4,5 | 230 | 0,4 | 230 | 0,4 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | | 2,1 | 8 | | | | | | | | | | 0,4 | 0,9 | 0,5 | 1,3 | 0,5 | 1,3 |
| | LENGTH [m] | dV TOTAL [%] | | 18 | 1,1 | | | | | | | | | | 55 | 2 | 10 | 1,2 | 10 | 1,2 |
| NOTES | | | | | | | | | | | | | | | | | | | | |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| | | ARCHIVE | BD-2024 |
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| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | |

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| DATE | 01/07/2024 | REVISION | 00 |
| PAGE | 3 | NEXT | |
| DRAWING | | | |

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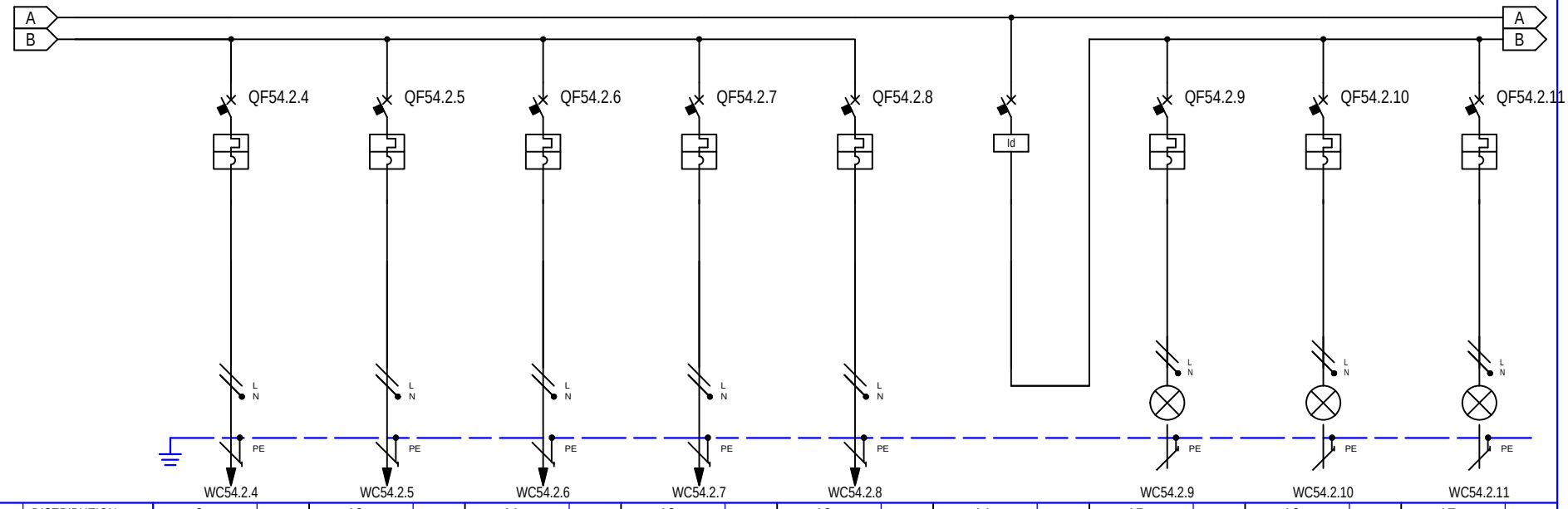
| REF. SWITCHBOARD | [P.E.SH.O4-K.+1] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




| TERMINALS NUMBERING | | | WC54.2.4 | WC54.2.5 | WC54.2.6 | WC54.2.7 | WC54.2.8 | | WC54.2.9 | WC54.2.10 | WC54.2.11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT NUMBERING | | DISTRIBUTION | 9 L3NPE | 10 L2NPE | 11 L3NPE | 12 L2NPE | 13 L1NPE | 14 L1L2L3N | 15 L2NPE | 16 L1NPE | 17 L3NPE |
| CIRCUIT DESCRIPTION | | | Linja L.04-HVAC HVAC Fancoil Zyra (2pcs) | Linja L.05-HVAC HVAC Fancoil Zyra (3pcs) | Linja L.06-HVAC HVAC Fancoil Zyra (2pcs) | Linja L.06-HVAC HVAC Fancoil Korridor (2pcs) | Linja L.07-Priza Boiler Kati +1 Tualet | Salvavide Grupi 02 Ndricimi | Linja L.08-Ndricimi Korridori Kati +1 | Linja L.09-Ndricimi Tualete Kati +1 | Linja L.1-Ndricimi Zyra Kati +1 |
| EQUIPMENT | | | iC40 a | iC40 a | iC40 a | iC40 a | iC40 a | iID (4P) | iC40 N | iC40 N | iC40 N |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 6 | 6 | 6 | 6 | 6 | | 10 | 10 | 10 |
| | N. POLES | In [A] | 1P+N 16 | 1P+N 16 | 1P+N 16 | 1P+N 16 | 1P+N 16 | 25 | 1P+N 10 | 1P+N 10 | 1P+N 10 |
| | CURVE/TRIPPING UNIT | | C | C | C | C | C | | C | C | C |
| | Ir [A] | tr [s] | 16 | 16 | 16 | 16 | 16 | | 10 | 10 | 10 |
| | Isd [A] | tsd [s] | 160 | 160 | 160 | 160 | 160 | | 100 | 100 | 100 |
| | Ii [xIn] | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | RCD A | | | |
| | Idn [A] | tdn [ms] | | | | | | 0,03 Instantaneous | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | |
| IMPULSE RELAY | COIL N. POLES | In [A] | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x2,5 1x2,5 1x2,5 | 1x2,5 1x2,5 1x2,5 | 1x2,5 1x2,5 1x2,5 | 1x2,5 1x2,5 1x2,5 | 1x2,5 1x2,5 1x2,5 | | 1x2,5 1x2,5 1x2,5 | 1x2,5 1x2,5 1x2,5 | 1x1,5 1x1,5 1x1,5 |
| | Ib [A] | Iz [A] | 1,9 36 | 1,9 36 | 1,9 36 | 1,9 36 | 7,2 36 | | 4,3 36 | 3,8 36 | 3,8 26 |
| | Un [V] | Pn [kW] | 230 0,4 | 230 0,4 | 230 0,4 | 230 0,4 | 230 1,5 | | 230 0,9 | 230 0,8 | 230 0,8 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 0,5 1,3 | 0,5 1,3 | 0,5 1,3 | 0,5 1,3 | 0,5 1,3 | 6,5 | 0,1 0,3 | 0,1 0,3 | 0,1 0,2 |
| | LENGTH [m] | dV TOTAL [%] | 10 1,2 | 10 1,2 | 10 1,2 | 10 1,2 | 10 1,6 | | 65 3,2 | 60 2,8 | 45 3,2 |
| NOTES | | | | | | | | | | | |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|---|---|---|---|
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| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | |

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| FILE | e7. skema tu, poli i ri,_[Q54]_[P.E.SH.O4-K.+1].dwg | | |
| DATE | 01/07/2024 | REVISION | 00 |
| PAGE | 4 | NEXT | |
| DRAWING | | | |

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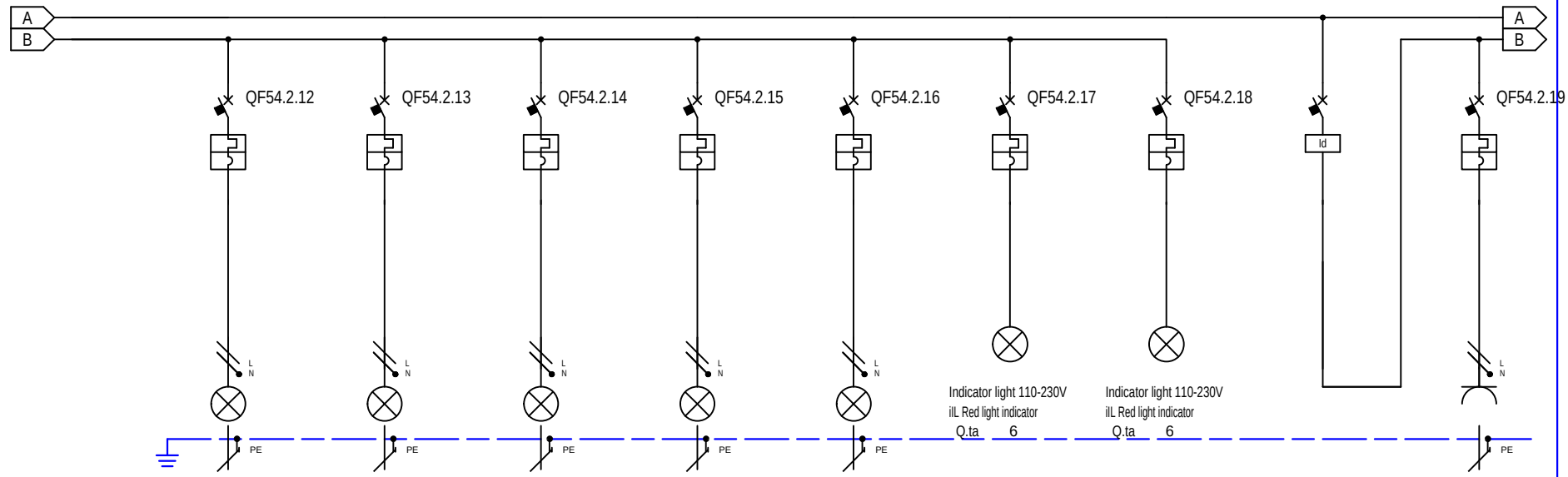
| REF. SWITCHBOARD | [P.E.SH.O4-K.+1] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




| TERMINALS NUMBERING | | | WC54.2.12 | WC54.2.13 | WC54.2.14 | WC54.2.15 | WC54.2.16 | | | | WC54.2.19 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT NUMBERING | | DISTRIBUTION | 18 L2NPE | 19 L1NPE | 20 L3NPE | 21 L2NPE | 22 L3NPE | 23 L3NPE | 24 L3NPE | 25 L1L2L3N | 26 L1NPE |
| CIRCUIT DESCRIPTION | | | Linja L.11-Ndricimi Zyra Kati +1 | Linja L.12-Ndricimi Salle Mbledhje Kati +1 | Linja L.13-Ndricimi Shkallet Kati +1 | Linja L.14-Ndricimi Zyra Kati +1 | Linja L.15-Ndricimi Korridor Kati +1 | Linja L.16-Ndricimi Emergjence Kati +1 | Linja L.17-Ndricimi Exit Kati +1 | Salvavide Grupi 03 Priza | Linja L.18-Priza Zyra Kati +1 |
| EQUIPMENT | | | iC40 N | iC40 N | iC40 N | iC40 N | iC40 N | iC40 N | iC40 N | iID (4P) | iC40 N |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | 10 |
| | N. POLES | In [A] | 1P+N 10 | 1P+N 10 | 1P+N 10 | 1P+N 10 | 1P+N 10 | 1P+N 10 | 1P+N 10 | 40 | 1P+N 16 |
| | CURVE/TRIPPING UNIT | | C | C | C | C | C | C | C | | C |
| | Ir [A] | tr [s] | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | 16 |
| | Isd [A] | tsd [s] | 100 | 100 | 100 | 100 | 100 | 100 | 100 | | 160 |
| | Ii [xIn] | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | | | RCD AC | |
| | Idn [A] | tdn [ms] | | | | | | | | 0,03 Instantaneous | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES In [A] | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | | | | XLPE 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x1,5 1x1,5 1x1,5 | 1x1,5 1x1,5 1x1,5 | 1x1,5 1x1,5 1x1,5 | 1x1,5 1x1,5 1x1,5 | 1x2,5 1x2,5 1x2,5 | | | | 1x4 1x4 1x4 |
| | Ib [A] | Iz [A] | 3,8 26 | 3,8 26 | 3,8 26 | 2,9 26 | 4,8 36 | | | | 4,8 49 |
| | Un [V] | Pn [kW] | 230 0,8 | 230 0,8 | 230 0,8 | 230 0,6 | 230 1 | | | | 230 1 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 0,2 0,5 | 0,4 0,8 | 0,1 0,3 | 0,2 0,5 | 0,2 0,4 | | | 6 | 0,8 1,7 |
| | LENGTH [m] | dV TOTAL [%] | 20 2,1 | 10 1,6 | 30 2,5 | 20 1,8 | 45 2,7 | | | | 10 1,3 |
| NOTES | | | | | | | | | | | |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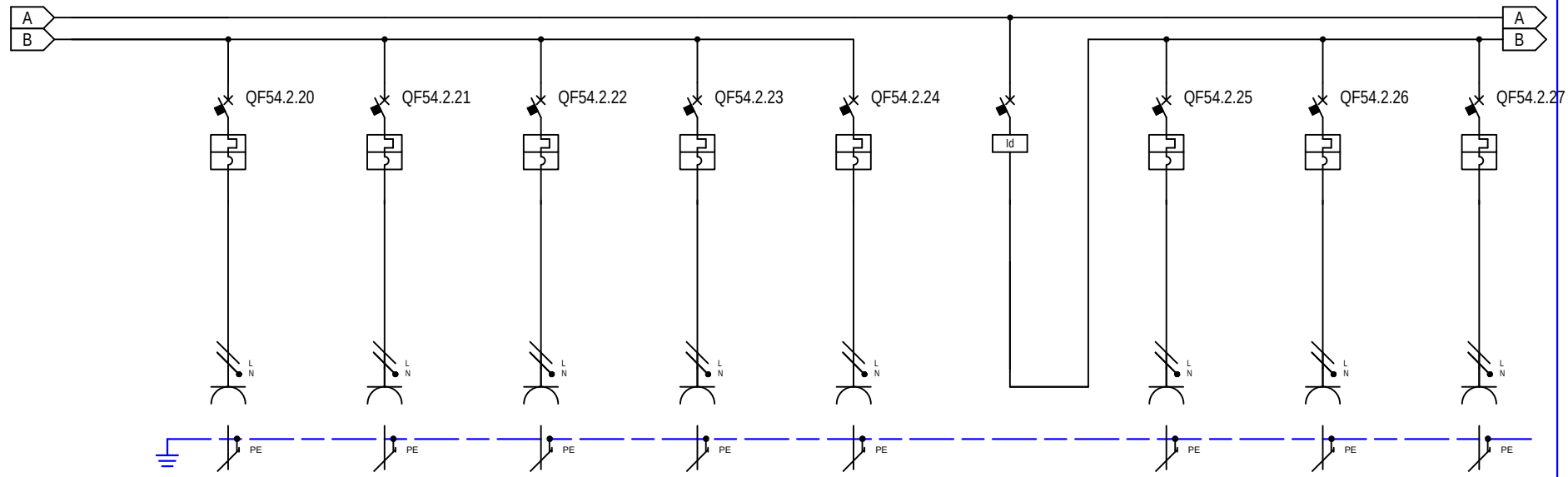
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri,_[Q54]_[P.E.SH.O4-K.+1].dwg |
|---|---|---|---|---|---|
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 5 |
| | | | | REVISION | 00 |
| | | | | NEXT | |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | DRAWING | |

| REF. SWITCHBOARD | [P.E.SH.O4-K.+1] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




| TERMINALS NUMBERING | | | WC54.2.20 | WC54.2.21 | WC54.2.22 | WC54.2.23 | WC54.2.24 | | WC54.2.25 | WC54.2.26 | WC54.2.27 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT NUMBERING | | DISTRIBUTION | 27 L3NPE | 28 L2NPE | 29 L1NPE | 30 L3NPE | 31 L2NPE | 32 L1L2L3N | 33 L1NPE | 34 L3NPE | 35 L2NPE |
| CIRCUIT DESCRIPTION | | | Linja L.19-Priza Zyra Kati +1 | Linja L.20-Priza Zyra Kati +1 | Linja L.21-Priza Zyra Kati +1 | Linja L.22-Priza Zyra Kati +1 | Linja L.23-Priza Zyra Kati +1 | Salvavide Grupi 04 Priza | Linja L.24-Priza Zyra Kati +1 | Linja L.25-Priza Zyra Kati +1 | Linja L.26-Priza Zyra Kati +1 |
| EQUIPMENT | | | iC40 N | iC40 N | iC40 N | iC40 N | iC40 N | iID (4P) | iC40 N | iC40 N | iC40 N |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 10 | 10 | 10 | 10 | 10 | | 10 | 10 | 10 |
| | N. POLES | In [A] | 1P+N 16 | 1P+N 16 | 1P+N 16 | 1P+N 16 | 1P+N 16 | 40 | 1P+N 16 | 1P+N 16 | 1P+N 16 |
| | CURVE/TRIPPING UNIT | | C | C | C | C | C | | C | C | C |
| | Ir [A] | tr [s] | 16 | 16 | 16 | 16 | 16 | | 16 | 16 | 16 |
| | Isd [A] | tsd [s] | 160 | 160 | 160 | 160 | 160 | | 160 | 160 | 160 |
| | Ii [xIn] | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | RCD AC | | | |
| | Idn [A] | tdn [ms] | | | | | | 0,03 Instantaneous | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | |
| IMPULSE RELAY | COIL N. POLES | In [A] | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x4 1x4 1x4 | 1x4 1x4 1x4 | 1x4 1x4 1x4 | 1x4 1x4 1x4 | 1x4 1x4 1x4 | | 1x4 1x4 1x4 | 1x4 1x4 1x4 | 1x4 1x4 1x4 |
| | Ib [A] | Iz [A] | 4,8 49 | 4,8 49 | 4,8 49 | 4,8 49 | 4,8 49 | | 4,8 49 | 4,8 49 | 4,8 49 |
| | Un [V] | Pn [kW] | 230 1 | 230 1 | 230 1 | 230 1 | 230 1 | | 230 1 | 230 1 | 230 1 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 0,5 1,2 | 0,5 1,1 | 0,4 1 | 0,4 1 | 0,4 1 | 6 | 0,8 1,7 | 0,5 1,2 | 0,5 1,1 |
| | LENGTH [m] | dV TOTAL [%] | 18 1,5 | 20 1,5 | 22 1,6 | 22 1,6 | 22 1,6 | | 10 1,3 | 18 1,5 | 20 1,5 |
| NOTES | | | | | | | | | | | |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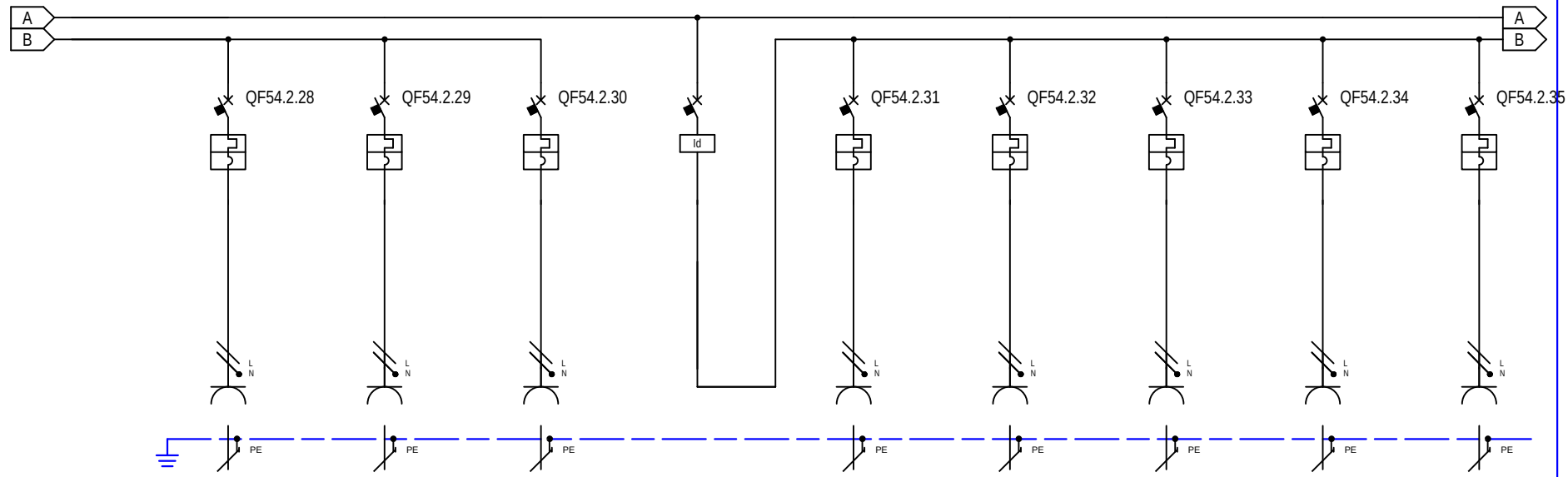
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT Skemat TU_Poli i Ri i TISK | FILE e7. skema tu, poli i ri,_[Q54]_[P.E.SH.O4-K.+1].dwg |
| | | ARCHIVE BD-2024 | DATE 01/07/2024 REVISION 00 |
| | | DESIGNER Besart DALLIU | PAGE 6 NEXT |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | DRAWING | |

| REF. SWITCHBOARD | [P.E.SH.O4-K.+1] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




| TERMINALS NUMBERING | | | WC54.2.28 | | WC54.2.29 | | WC54.2.30 | | | WC54.2.31 | | WC54.2.32 | | WC54.2.33 | | WC54.2.34 | | WC54.2.35 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT NUMBERING | | DISTRIBUTION | 36 | L1NPE | 37 | L3NPE | 38 | L2NPE | 39 | L1L2L3N | 40 | L1NPE | 41 | L3NPE | 42 | L2NPE | 43 | L1NPE | 44 | L3NPE |
| CIRCUIT DESCRIPTION | | | Linja L.27-Priza Zyra Kati +1 | | Linja L.28-Priza Zyra Kati +1 | | Linja L.29-Priza Zyra Kati +1 | | Salvavide Grupi 06 Priza | | Linja L.30-Priza Zyra Kati +1 | | Linja L.31-Priza Zyra Kati +1 | | Linja L.32-Priza Zyra Kati +1 | | Linja L.33-Priza Zyra Kati +1 | | Linja L.34-Priza Zyra Kati +1 | |
| EQUIPMENT | | | iC40 N | | iC40 N | | iC40 N | | iID (4P) | | iC40 N | | iC40 N | | iC40 N | | iC40 N | | iC40 N | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 10 | | 10 | | 10 | | | | 10 | | 10 | | 10 | | 10 | | 10 | |
| | N. POLES | In [A] | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 | | 40 | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 |
| | CURVE/TRIPPING UNIT | | C | | C | | C | | | | C | | C | | C | | C | | C | |
| | Ir [A] | tr [s] | 16 | | 16 | | 16 | | | | 16 | | 16 | | 16 | | 16 | | 16 | |
| | Isd [A] | tsd [s] | 160 | | 160 | | 160 | | | | 160 | | 160 | | 160 | | 160 | | 160 | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | | RCD | AC | | | | | | | | | | |
| | Idn [A] | tdn [ms] | | | | | | | 0,03 | Instantaneous | | | | | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES / In [A] | | | | | | | | | | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E | | | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x4 | 1x4 1x4 | 1x4 | 1x4 1x4 | 1x4 | 1x4 1x4 | | | 1x4 | 1x4 1x4 | 1x4 | 1x4 1x4 | 1x4 | 1x4 1x4 | 1x4 | 1x4 1x4 | 1x4 | 1x4 1x4 |
| | Ib [A] | Iz [A] | 4,8 | 49 | 4,8 | 49 | 4,8 | 49 | | | 4,8 | 49 | 4,8 | 49 | 4,8 | 49 | 4,8 | 49 | 4,8 | 49 |
| | Un [V] | Pn [kW] | 230 | 1 | 230 | 1 | 230 | 1 | | 6 | 230 | 1 | 230 | 1 | 230 | 1 | 230 | 1 | 230 | 1 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 0,4 | 1 | 0,4 | 1 | 0,4 | 1 | | | 0,8 | 1,7 | 0,5 | 1,2 | 0,5 | 1,1 | 0,4 | 1 | 0,4 | 1 |
| | LENGTH [m] | dV TOTAL [%] | 22 | 1,6 | 22 | 1,6 | 22 | 1,6 | | | 10 | 1,3 | 18 | 1,5 | 20 | 1,5 | 22 | 1,6 | 22 | 1,6 |
| NOTES | | | | | | | | | | | | | | | | | | | | |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| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK |
| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | |

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| FILE | e7. skema tu, poli i ri,_[Q54]_[P.E.SH.O4-K.+1].dwg | | |
| DATE | 01/07/2024 | REVISION | 00 |
| PAGE | 7 | NEXT | |
| DRAWING | | | |

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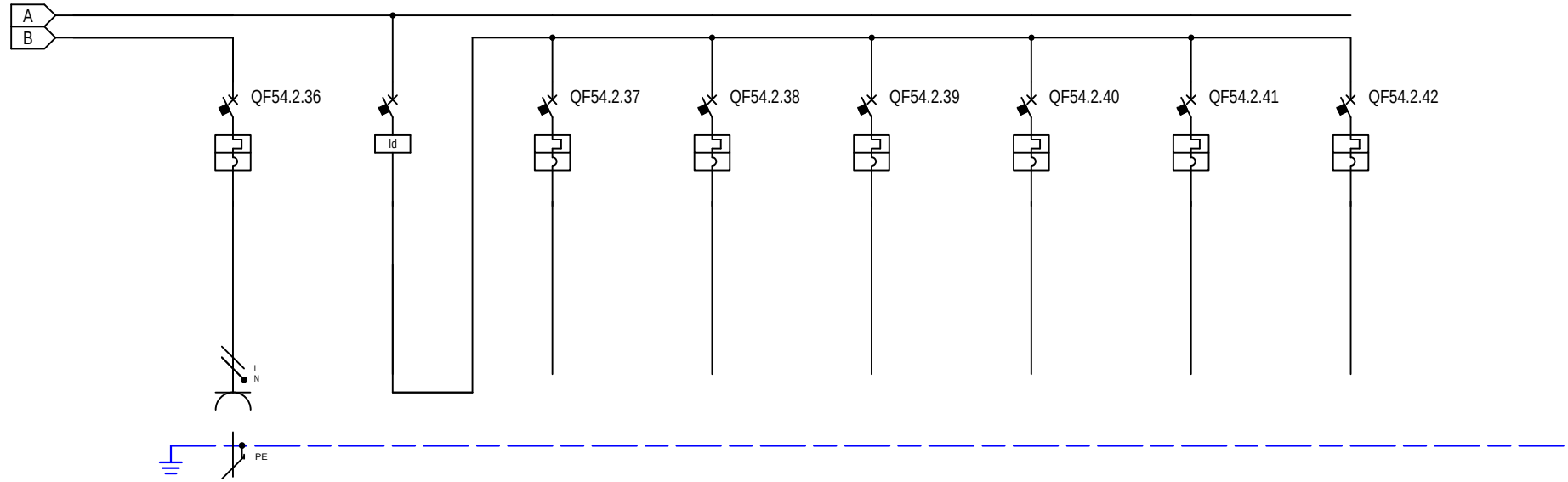
| REF. SWITCHBOARD | [P.E.SH.O4-K.+1] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




TERMINALS NUMBERING WC54.2.36

| CIRCUIT NUMBERING | | DISTRIBUTION | 45 | L2NPE | 46 | L1L2L3N | 47 | L1L2L3NPE | 48 | L1NPE | 49 | L1NPE | 50 | L2NPE | 51 | L2NPE | 52 | L3NPE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT DESCRIPTION | | | Linja L.35-Priza Zyra Kati +1 | | Salvavide Grupi 07 Rezerve | | Linja L.36- 3F Rezeve 01 | | Linja L.37- 1F Rezeve 02 | | Linja L.38- 1F Rezeve 03 | | Linja L.39-1F Rezeve 04 | | Linja L.40-1F Rezeve 05 | | Linja L.41-1F Rezeve 06 | | | |
| EQUIPMENT | | | iC40 N | | iID (4P) | | iC40 N | | iC40 a | | iC40 a | | iC40 a | | iC40 a | | iC40 a | | | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 10 | | | | 10 | | 6 | | 6 | | 6 | | 6 | | 6 | | | |
| | N. POLES | In [A] | 1P+N | 16 | | 25 | 3P+N | 16 | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 | 1P+N | 10 | | |
| | CURVE/TRIPPING UNIT | | C | | | | C | | C | | C | | C | | C | | C | | | |
| | Ir [A] | tr [s] | 16 | | | | 16 | | 16 | | 16 | | 16 | | 16 | | 10 | | | |
| | Isd [A] | tsd [s] | 160 | | | | 160 | | 160 | | 160 | | 160 | | 160 | | 100 | | | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | RCD | AC | | | | | | | | | | | | | | |
| | Idn [A] | tdn [ms] | | | 0,03 | Instantaneous | | | | | | | | | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES / In [A] | | | | | | | | | | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE | 31 - E | | | | | | | | | | | | | | | | |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x4 | 1x4 1x4 | | | | | | | | | | | | | | | | |
| | Ib [A] | Iz [A] | 4,8 | 49 | | | | | | | | | | | | | | | | |
| | Un [V] | Pn [kW] | 230 | 1 | | | | | | | | | | | | | | | | |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 0,4 | 1 | | | | | | | | | | | | | | | | |
| | LENGTH [m] | dV TOTAL [%] | 22 | 1,6 | | | | | | | | | | | | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | |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|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK |
| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | |

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| FILE | e7. skema tu, poli i ri,_[Q54]_[P.E.SH.O4-K.+1].dwg | | |
| DATE | 01/07/2024 | REVISION | 00 |
| PAGE | 8 | NEXT | |
| DRAWING | | | |

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END USER

# Objekti "Poli i Ri Teknologjise se Informacionit

dhe Sigurise Kibernetike"

Sauk, Tirane

JOB ORDER

## Fondi Shqiptar i Zhvillimit

SWITCHBOARD

## Paneli Elektrik Shperndares Objekti 4- Kati +2

### SWITCHBOARD CHARACTERISICS

| | | | |
|---|---|---|---|
| UPSTREAM PLANT<br>[P.E.K.O4-K.-1]<br>Tirane | | | |
| VOLTAGE [V] | 400 | FREQ. [Hz] | 50 |
| SWITCHBOARD RATED CURRENT [A] | | | |
| SWITCHBOARD PERSPECTIVE CURRENT [kA] | | | 9,8 |
| NEUTRAL SYSTEM | | | TNS |
| BUSBAR SIZE<br>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 |
| | ☐ | |

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|---|---|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri,_[Q55]_[P.E.SH.O4-K.+2].dwg |
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 1 |
| | | | | REVISION | 00 |
| | | | | NEXT | |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | 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

| | MicroLogic 6.3 E-M ( ComPacT NSX ) | | | | MicroLogic 5.0 H ( ComPacT NS ) | | | | MicroLogic 2.0 X ( MasterPacT MTZ ) | | | | ETS 2.2 ( EasyPacT CVS ) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (W) | (Y) | (Z) | (K) | (W) | (Y) | (Z) | | (W) | (Y) | (J) | | (W) | (Y) | | |
| a lÖÑl2[2ƎlÖ HlΛn a | SI | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ o\o D | $LS_0I$ | 2 | - | G | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ o\n | $LS_0I$ | 3 | - | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ o\n a | $LS_0I$ | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ ±l3l p\o | $LS_0IR$ | 2 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ ±l3l p\n ![ | $LS_0I$ | 3 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ c\o ! | LSI | 2 | A | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ c\n 9 | LSI | 3 | E | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ T\n 9ρ a | LSIG | 3 | E | M | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ ±l3l y\o 9ρ ![ | LSI | 2 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ ±l3l y\n 9 | LSIR | 3 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ o\M | - | - | - | - | LI | 0 | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ c\M | - | - | - | - | LSI | 0 | - | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ o\M ! | - | - | - | - | LI | 0 | A | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ c\M ! | - | - | - | - | LSI | 0 | A | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ T\M ! | - | - | - | - | LSIG | 0 | A | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ y\M ! | - | - | - | - | LSIR | 0 | A | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ o\M 9 | - | - | - | - | LI | 0 | E | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ c\M 9 | - | - | - | - | LSI | 0 | E | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ T\M 9 | - | - | - | - | LSIG | 0 | E | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ c\M t | - | - | - | - | LSI | 0 | P | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ T\M t | - | - | - | - | LSIG | 0 | P | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ y\M t | - | - | - | - | LSIR | 0 | P | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ c\M I | - | - | - | - | LSI | 0 | H | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ T\M I | - | - | - | - | LSIG | 0 | H | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ y\M I | - | - | - | - | LSIR | 0 | H | | - | - | - | | - | - | | |
| a lÖÑl2[2ƎlÖ o\M · | - | - | - | - | - | - | - | | LI | 0 | X | | - | - | | |
| a lÖÑl2[2ƎlÖ c\M · | - | - | - | - | - | - | - | | LSI | 0 | X | | - | - | | |
| a lÖÑl2[2ƎlÖ T\M · | - | - | - | - | - | - | - | | LSIG | 0 | X | | - | - | | |
| a lÖÑl2[2ƎlÖ y\M · | - | - | - | - | - | - | - | | LSIR | 0 | X | | - | - | | |
| 9¢{ o\o | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 2 | | |
| 9¢{ o\n | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 3 | | |

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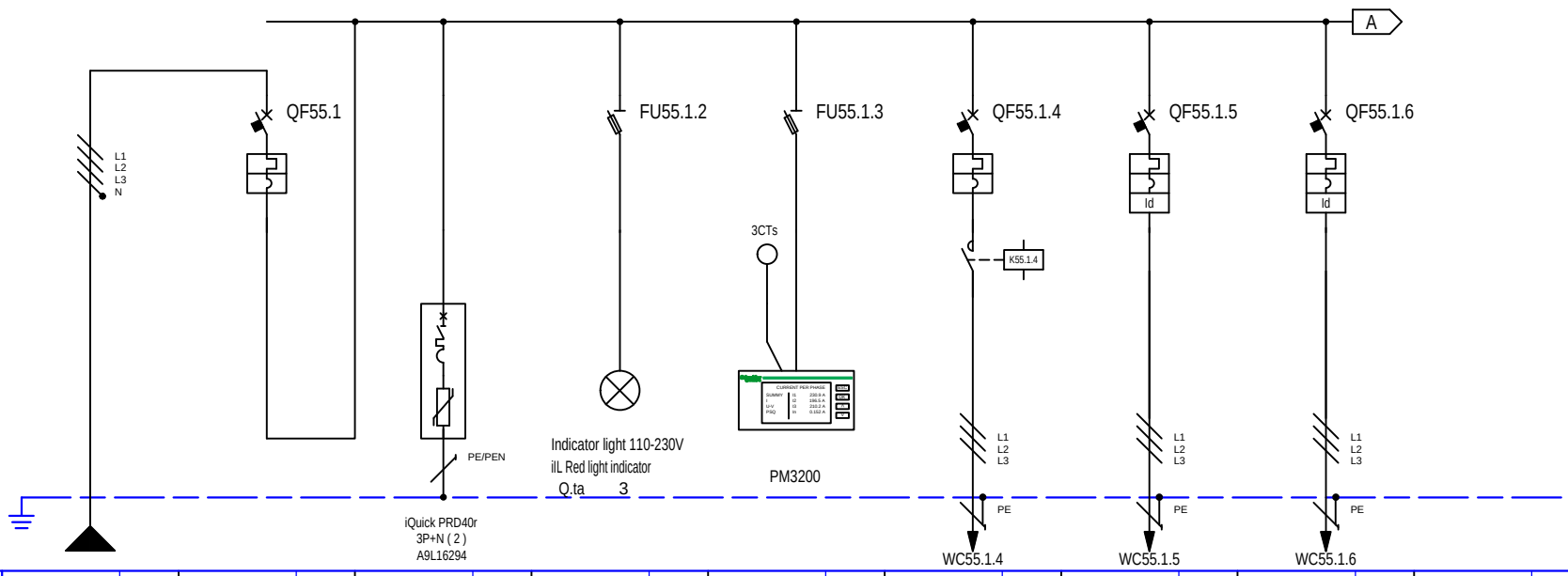
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK |
| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | FILE | e7. skema tu, poli i ri,_[Q55]_[P.E.SH.O4-K.+2].dwg |
| | | DATE | 01/07/2024 |
| | | PAGE | 2 |
| | | TABLE | |
| | | REVISION | 00 |
| | | NEXT | |

REF. SWITCHBOARD [P.E.SH.O4-K.+2]




TERMINALS NUMBERING

| CIRCUIT NUMBERING | | DISTRIBUTION | | L1L2L3NPE | 1 | | 2 | L1L2L3NPE | 3 | L1NPE | 4 | L1L2L3NPE | 5 | L1L2L3PE | 6 | L1L2L3PE | 7 | L1L2L3PE | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT DESCRIPTION | | | Linja L.01 Vjen nga Paneli P.E.K.TU | | Linja L.01 Vjen nga Paneli P.E.K.TU | | Shkarkues Mbitensioni 3F + Mbrojtje | | Llambe sinjalizimi 3F + Mbrojtje me Bllok Siguresa | | Multimeter digital Parametrave Rrjetit + Mbrotje Siguresa | | Linja L.01-Fuqie Ventilatori Presuriz Shkalleve Tarrace | | Linja L.02-Fuqie Panelin e Ashensorit Kati +2 - Objekti 1 | | Linja L.02-Fuqie Panelin e Ashensorit Kati +2 - Objekti 1 | | |
| EQUIPMENT | | | | | iC60 N | | | | SBI50 | | SBI50 | | GV2 | | iC60 N | | iC60 N | | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | | | 10 | | | | 100 | | 100 | | 15 | | 10 | | 10 | | |
| | N. POLES | In [A] | | | 4P | 63 | | | 3P+N | | 3P+N | | | 14 | 4P | 20 | 4P | 20 | |
| | CURVE/TRIPPING UNIT | | | | C | | | | | | | | ME16 | | C | | C | | |
| | Ir [A] | tr [s] | | | 63 | | | | | | | | 14 | | 20 | | 20 | | |
| | Isd [A] | tsd [s] | | | 630 | | | | | | | | 170 | | 200 | | 200 | | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | | | | | | | | Acti9 Vigi | AC | Acti9 Vigi | AC | |
| | Idn [A] | tdn [ms] | | | | | | | | | | | | | 0,03 | Instantaneous | 0,03 | Instantaneous | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | | LC1D12 | AC3 | | | | | |
| IMPULSE RELAY | COIL | N. POLES In [A] | | | | | | | | | | | 230ca | 4P 12 | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE | 31 - E | | | | | | | | | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E | |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x16 | 1x16 1x16 | | | | | | | | | 1x2,5 | 1x2,5 | 1x4 | 1x4 | 1x4 | 1x4 | |
| | Ib [A] | Iz [A] | 45 | 100 | | | | | | | | | 9,9 | 32 | 9,3 | 42 | 9,3 | 42 | |
| | Un [V] | Pn [kW] | 400 | 26,95 | | 26,95 | | | | | | | 400 | 5,5 | 400 | 5,5 | 400 | 5,5 | |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 2,8 | 9,8 | | | | | | | | | 0,8 | 1,9 | 0,4 | 0,9 | 0,4 | 0,9 | |
| | LENGTH [m] | dV TOTAL [%] | 12 | 1 | | | | | | | | | 15 | 1,5 | 55 | 2,1 | 55 | 2,1 | |
| NOTES | | | | | | | | | | | | | | | | | | | |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| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | |

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| FILE | e7. skema tu, poli i ri,_[Q55]_[P.E.SH.O4-K.+2].dwg | | |
| DATE | 01/07/2024 | REVISION | 00 |
| PAGE | 3 | NEXT | |
| DRAWING | | | |

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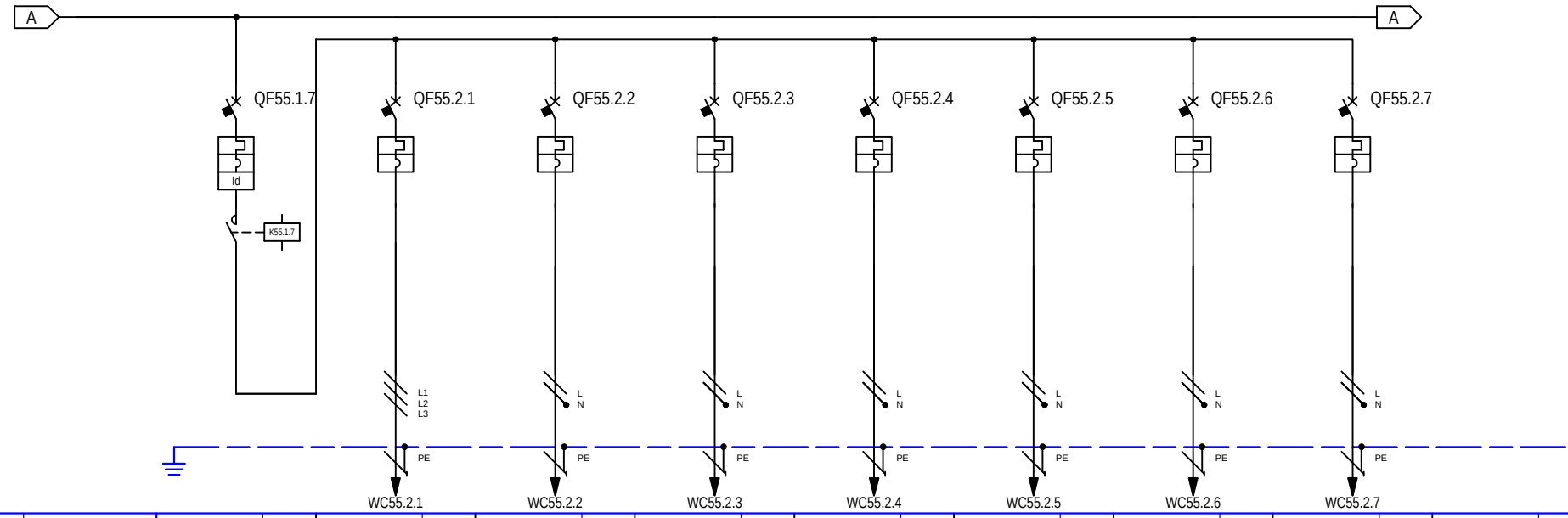
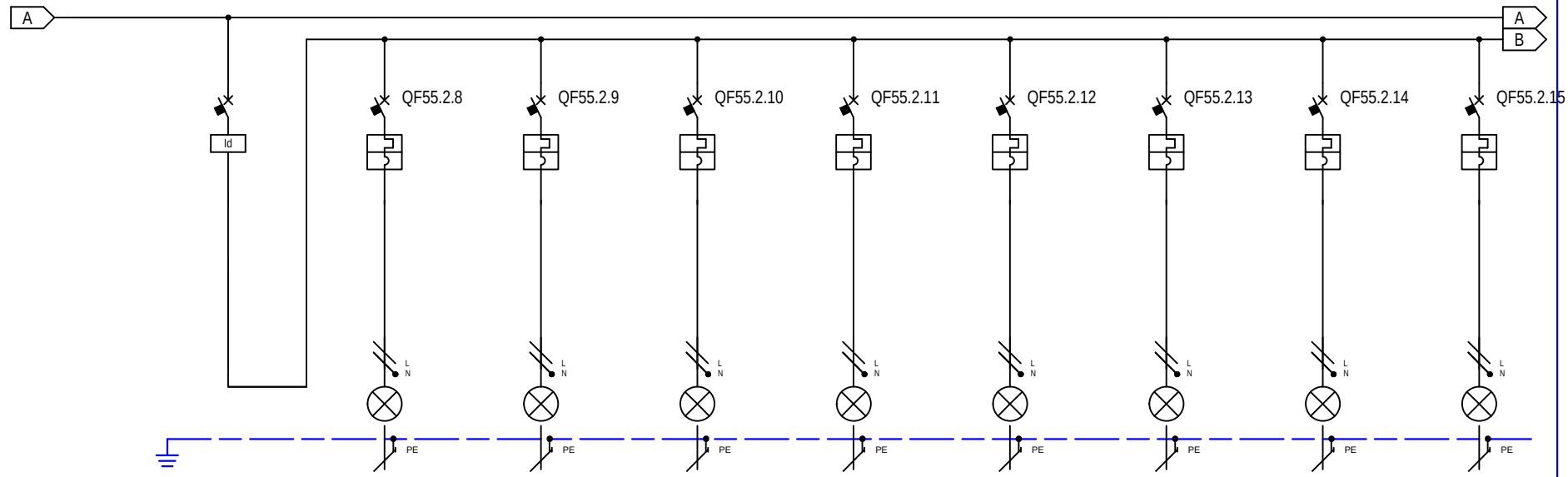
| REF. SWITCHBOARD | [P.E.SH.O4-K.+2] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




| | | |

| REF. SWITCHBOARD | [P.E.SH.O4-K.+2] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




| TERMINALS NUMBERING | | | | WC55.2.8 | WC55.2.9 | WC55.2.10 | WC55.2.11 | WC55.2.12 | WC55.2.13 | WC55.2.14 | WC55.2.15 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT NUMBERING | DISTRIBUTION | | | 16 L1L2L3N | 17 L2NPE | 18 L1NPE | 19 L3NPE | 20 L2NPE | 21 L1NPE | 22 L3NPE | 23 L2NPE | 24 L3NPE |
| CIRCUIT DESCRIPTION | | | | Salvavide Grupi 02 Ndricimi | Linja L.10-Ndricimi Korridori Kati +2 | Linja L.11-Ndricimi Tualete Kati +2 | Linja L.12-Ndricimi Zyra Kati +2 | Linja L.13-Ndricimi Zyra Kati +2 | Linja L.14-Ndricimi Salle Mbledhje Kati +2 | Linja L.15-Ndricimi Shkallet Kati +2 | Linja L.16-Ndricimi Zyra Kati +2 | Linja L.17-Ndricimi Korridor Kati +2 |
| EQUIPMENT | | | | iID (4P) | iC40 N | iC40 N | iC40 N | iC40 N | iC40 N | iC40 N | iC40 N | iC40 N |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | N. POLES | In [A] | | 25 | 1P+N 10 | 1P+N 10 | 1P+N 10 | 1P+N 10 | 1P+N 10 | 1P+N 10 | 1P+N 10 | 1P+N 10 |
| | CURVE/TRIPPING UNIT | | | | C | C | C | C | C | C | C | C |
| | Ir [A] | tr [s] | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | Isd [A] | tsd [s] | | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Ii [xIn] | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | RCD A | | | | | | | | |
| | Idn [A] | tdn [ms] | | 0,03 Instantaneous | | | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES | In [A] | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | | | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | | | 1x2,5 1x2,5 1x2,5 | 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 1x1,5 | 1x2,5 1x2,5 1x2,5 |
| | Ib [A] | Iz [A] | | | 4,3 36 | 3,8 36 | 3,8 26 | 3,8 26 | 3,8 26 | 3,8 26 | 2,9 26 | 4,8 36 |
| | Un [V] | Pn [kW] | | 6,5 | 230 0,9 | 230 0,8 | 230 0,8 | 230 0,8 | 230 0,8 | 230 0,8 | 230 0,6 | 230 1 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | | | 0,1 0,3 | 0,1 0,3 | 0,1 0,2 | 0,2 0,5 | 0,4 0,9 | 0,1 0,3 | 0,2 0,5 | 0,2 0,4 |
| | LENGTH [m] | dV TOTAL [%] | | | 65 3,1 | 60 2,7 | 45 3,1 | 20 2 | 10 1,5 | 30 2,4 | 20 1,7 | 45 2,6 |
| NOTES | | | | | | | | | | | | |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| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri,_[Q55]_[P.E.SH.O4-K.+2].dwg |
|---|---|---|---|---|---|
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 5 |
| | | | | REVISION | 00 |
| | | | | NEXT | |
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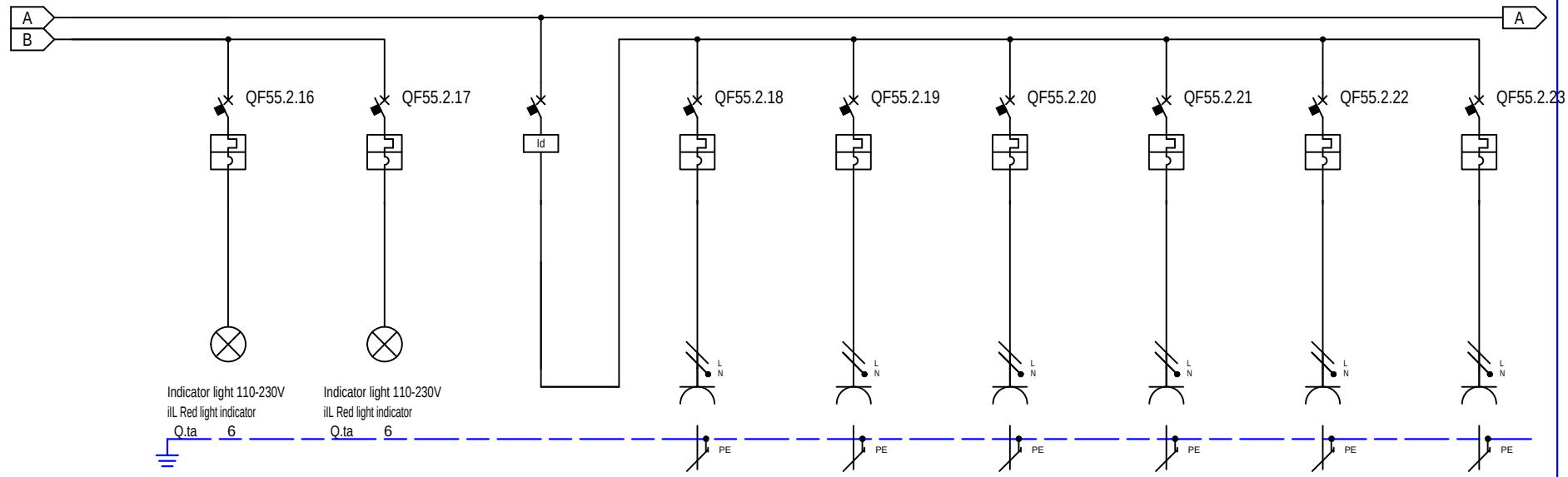
REF. SWITCHBOARD [P.E.SH.O4-K.+2]




| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TERMINALS NUMBERING | | | | | | WC55.2.18 | WC55.2.19 | WC55.2.20 | WC55.2.21 | WC55.2.22 | WC55.2.23 |
| CIRCUIT NUMBERING | DISTRIBUTION | | 25 L3NPE | 26 L3NPE | 27 L1L2L3N | 28 L1NPE | 29 L3NPE | 30 L2NPE | 31 L1NPE | 32 L3NPE | 33 L2NPE |
| CIRCUIT DESCRIPTION | | | Linja L.18-Ndricimi Emergjence Kati +2 | Linja L.19-Ndricimi Exit Kati +2 | Salvavide Grupi 03 Priza | Linja L.20-Priza Zyra Kati +2 | Linja L.21-Priza Zyra Kati +2 | Linja L.22-Priza Zyra Kati +2 | Linja L.23-Priza Zyra Kati +2 | Linja L.24-Priza Zyra Kati +2 | Linja L.25-Priza Zyra Kati +2 |
| EQUIPMENT | | | iC40 N | iC40 N | iID (4P) | iC40 N | iC40 N | iC40 N | iC40 N | iC40 N | iC40 N |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 10 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 |
| | N. POLES | In [A] | 1P+N 10 | 1P+N 10 | 40 | 1P+N 16 | 1P+N 16 | 1P+N 16 | 1P+N 16 | 1P+N 16 | 1P+N 16 |
| | CURVE/TRIPPING UNIT | | C | C | | C | C | C | C | C | C |
| | Ir [A] | tr [s] | 10 | 10 | | 16 | 16 | 16 | 16 | 16 | 16 |
| | Isd [A] | tsd [s] | 100 | 100 | | 160 | 160 | 160 | 160 | 160 | 160 |
| | Ii [xIn] | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | RCD AC | | | | | | |
| | Idn [A] | tdn [ms] | | | 0,03 Instantaneous | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | |
| IMPULSE RELAY | COIL N. POLES | In [A] | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | | | | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | | | | 1x4 1x4 1x4 | 1x4 1x4 1x4 | 1x4 1x4 1x4 | 1x4 1x4 1x4 | 1x4 1x4 1x4 | 1x4 1x4 1x4 |
| | Ib [A] | Iz [A] | | | | 4,8 49 | 4,8 49 | 4,8 49 | 4,8 49 | 4,8 49 | 4,8 49 |
| | Un [V] | Pn [kW] | | | 6 | 230 1 | 230 1 | 230 1 | 230 1 | 230 1 | 230 1 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | | | | 0,8 1,9 | 0,5 1,2 | 0,5 1,1 | 0,4 1 | 0,4 1 | 0,4 1 |
| | LENGTH [m] | dV TOTAL [%] | | | | 10 1,2 | 18 1,4 | 20 1,4 | 22 1,5 | 22 1,5 | 22 1,5 |
| NOTES | | | | | | | | | | | |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| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT Skemat TU_Poli i Ri i TISK | FILE e7. skema tu, poli i ri,_[Q55]_[P.E.SH.O4-K.+2].dwg |
| | | ARCHIVE BD-2024 | DATE 01/07/2024 REVISION 00 |
| | | DESIGNER Besart DALLIU | PAGE 6 NEXT |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | DRAWING |

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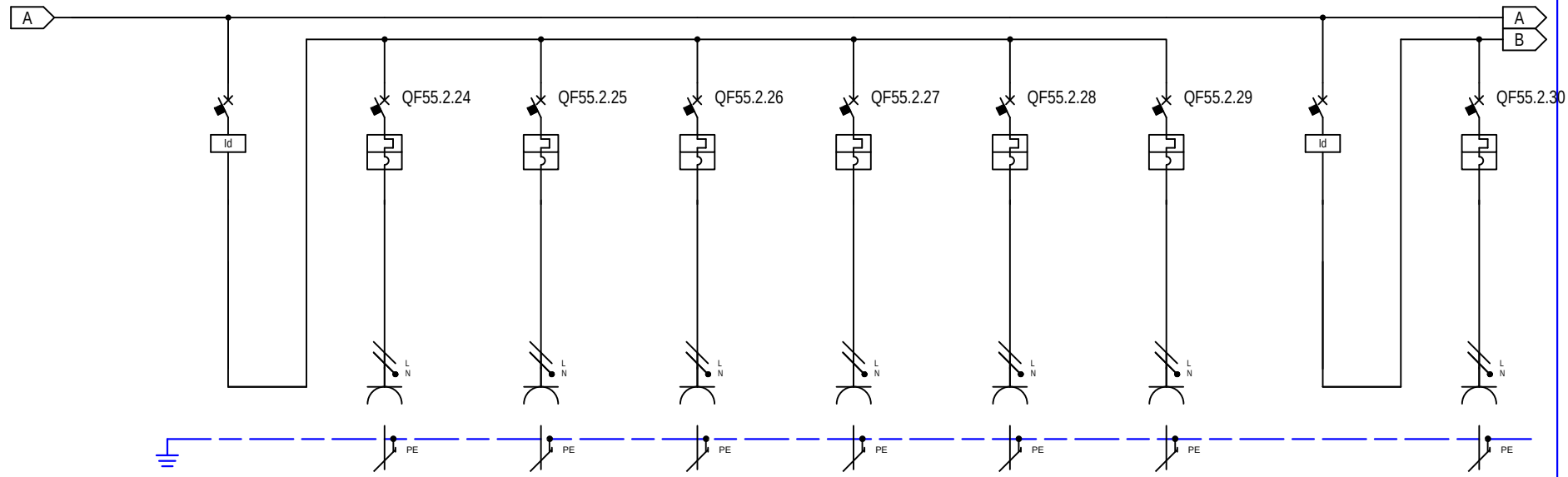
| REF. SWITCHBOARD | [P.E.SH.O4-K.+2] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




| TERMINALS NUMBERING | | | | WC55.2.24 | WC55.2.25 | WC55.2.26 | WC55.2.27 | WC55.2.28 | WC55.2.29 | | WC55.2.30 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT NUMBERING | DISTRIBUTION | 34 L1L2L3N | | 35 L1NPE | 36 L3NPE | 37 L2NPE | 38 L1NPE | 39 L3NPE | 40 L2NPE | 41 L1L2L3N | 42 L1NPE |
| CIRCUIT DESCRIPTION | | Salvavide Grupi 04 Priza | | Linja L.26-Priza Zyra Kati +2 | Linja L.27-Priza Zyra Kati +2 | Linja L.28-Priza Zyra Kati +2 | Linja L.29-Priza Zyra Kati +2 | Linja L.30-Priza Zyra Kati +2 | Linja L.31-Priza Zyra Kati +2 | Salvavide Grupi 05 Priza | Linja L.32-Priza Zyra Kati +2 |
| EQUIPMENT | | iID (4P) | | iC40 N | iC40 N | iC40 N | iC40 N | iC40 N | iC40 N | iID (4P) | iC40 N |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | | 10 | 10 | 10 | 10 | 10 | 10 | | 10 |
| | N. POLES / In [A] | | 40 | 1P+N / 16 | 1P+N / 16 | 1P+N / 16 | 1P+N / 16 | 1P+N / 16 | 1P+N / 16 | 40 | 1P+N / 16 |
| | CURVE/TRIPPING UNIT | | | C | C | C | C | C | C | | C |
| | Ir [A] | tr [s] | | 16 | 16 | 16 | 16 | 16 | 16 | | 16 |
| | Isd [A] | tsd [s] | | 160 | 160 | 160 | 160 | 160 | 160 | | 160 |
| | Ii [xIn] | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | RCD | AC | | | | | | RCD | AC | |
| | Idn [A] | tdn [ms] | 0,03 | Instantaneous | | | | | | 0,03 | Instantaneous | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | |
| IMPULSE RELAY | COIL / N. POLES / In [A] | | | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | | XLPE / 31 - E | XLPE / 31 - E | XLPE / 31 - E | XLPE / 31 - E | XLPE / 31 - E | XLPE / 31 - E | | XLPE / 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | | 1x4 / 1x4 / 1x4 | 1x4 / 1x4 / 1x4 | 1x4 / 1x4 / 1x4 | 1x4 / 1x4 / 1x4 | 1x4 / 1x4 / 1x4 | 1x4 / 1x4 / 1x4 | | 1x4 / 1x4 / 1x4 |
| | Ib [A] | Iz [A] | | 4,8 / 49 | 4,8 / 49 | 4,8 / 49 | 4,8 / 49 | 4,8 / 49 | 4,8 / 49 | | 4,8 / 49 |
| | Un [V] | Pn [kW] | | 230 / 1 | 230 / 1 | 230 / 1 | 230 / 1 | 230 / 1 | 230 / 1 | | 230 / 1 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | | 0,8 / 1,9 | 0,5 / 1,2 | 0,5 / 1,1 | 0,4 / 1 | 0,4 / 1 | 0,4 / 1 | | 0,8 / 1,9 |
| | LENGTH [m] | dV TOTAL [%] | | 10 / 1,2 | 18 / 1,4 | 20 / 1,4 | 22 / 1,5 | 22 / 1,5 | 22 / 1,5 | | 10 / 1,2 |
| NOTES | | | | | | | | | | | |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| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | |

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| FILE | e7. skema tu, poli i ri,_[Q55]_[P.E.SH.O4-K.+2].dwg | | |
| DATE | 01/07/2024 | REVISION | 00 |
| PAGE | 7 | NEXT | |
| DRAWING | | | |

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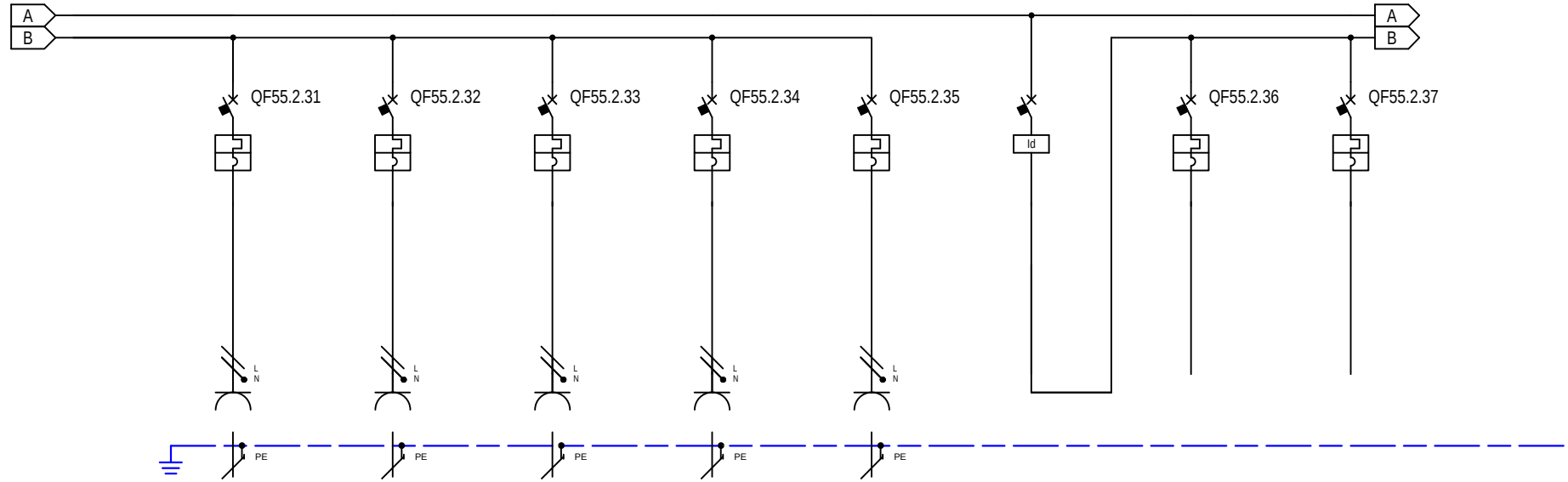
| REF. SWITCHBOARD | [P.E.SH.O4-K.+2] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




| TERMINALS NUMBERING | | | WC55.2.31 | | WC55.2.32 | | WC55.2.33 | | WC55.2.34 | | WC55.2.35 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT NUMBERING | | DISTRIBUTION | 43 | L3NPE | 44 | L2NPE | 45 | L1NPE | 46 | L3NPE | 47 | L2NPE | 48 | L1L2L3N | 49 | L1L2L3NPE | 50 | L1NPE | | |
| CIRCUIT DESCRIPTION | | | Linja L.33-Priza Zyra Kati +2 | | Linja L.34-Priza Zyra Kati +2 | | Linja L.35-Priza Zyra Kati +2 | | Linja L.36-Priza Zyra Kati +2 | | Linja L.37-Priza Zyra Kati +2 | | Salvavide Grupi 06 Rezerve | | Linja L.38- 3F Rezeve 01 | | Linja L.39- 1F Rezeve 02 | | | |
| EQUIPMENT | | | iC40 N | | iC40 N | | iC40 N | | iC40 N | | iC40 N | | iID (4P) | | iC60 H | | iC40 N | | | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 10 | | 10 | | 10 | | 10 | | 10 | | | | 15 | | 10 | | | |
| | N. POLES | In [A] | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 | | 25 | 4P | 16 | 1P+N | 16 | | |
| | CURVE/TRIPPING UNIT | | C | | C | | C | | C | | C | | | | C | | C | | | |
| | Ir [A] | tr [s] | 16 | | 16 | | 16 | | 16 | | 16 | | | | 16 | | 16 | | | |
| | Isd [A] | tsd [s] | 160 | | 160 | | 160 | | 160 | | 160 | | | | 160 | | 160 | | | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | | | | | | RCD | AC | | | | | | |
| | Idn [A] | tdn [ms] | | | | | | | | | | | 0,03 | Instantaneous | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES / In [A] | | | | | | | | | | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E | | | | | | | | |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x4 | 1x4 1x4 | 1x4 | 1x4 1x4 | 1x4 | 1x4 1x4 | 1x4 | 1x4 1x4 | 1x4 | 1x4 1x4 | | | | | | | | |
| | Ib [A] | Iz [A] | 4,8 | 49 | 4,8 | 49 | 4,8 | 49 | 4,8 | 49 | 4,8 | 49 | | | | | | | | |
| | Un [V] | Pn [kW] | 230 | 1 | 230 | 1 | 230 | 1 | 230 | 1 | 230 | 1 | | | | | | | | |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 0,5 | 1,2 | 0,5 | 1,1 | 0,4 | 1 | 0,4 | 1 | 0,4 | 1 | | | | | | | | |
| | LENGTH [m] | dV TOTAL [%] | 18 | 1,4 | 20 | 1,4 | 22 | 1,5 | 22 | 1,5 | 22 | 1,5 | | | | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | |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| | | | |
|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK |
| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | DRAWING | |

| | | | |
|---|---|---|---|
| FILE | e7. skema tu, poli i ri,_[Q55]_[P.E.SH.O4-K.+2].dwg | | |
| DATE | 01/07/2024 | REVISION | 00 |
| PAGE | 8 | NEXT | |

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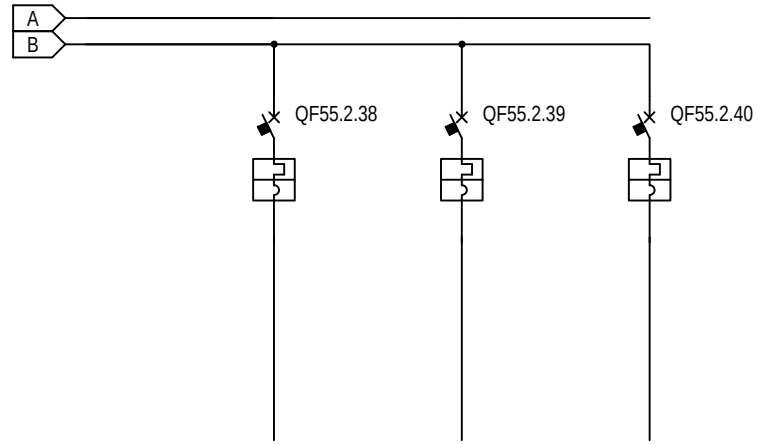
| REF. SWITCHBOARD | [P.E.SH.O4-K.+2] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




TERMINALS NUMBERING

| | | |

END USER

# Objekti "Poli i Ri Teknologjise se Informacionit

dhe Sigurise Kibernetike"

Sauk, Tirane

JOB ORDER

## Fondi Shqiptar i Zhvillimit

SWITCHBOARD

## Paneli Elektrik HVAC Objekti 4- Kati+2

### SWITCHBOARD CHARACTERISICS

| | | | |
|---|---|---|---|
| UPSTREAM PLANT<br>[P.E.K.O4-K.-1]<br>Tirane | | | |
| VOLTAGE [V] | 400 | FREQ. [Hz] | 50 |
| SWITCHBOARD RATED CURRENT [A] | | | |
| SWITCHBOARD PERSPECTIVE CURRENT [kA] | | | 13,3 |
| NEUTRAL SYSTEM | | | TNS |
| BUSBAR SIZE<br>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 |
| | ☐ | |

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| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri, _[Q56]_[P.E.HVAC.O4-K.+2].dwg |
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 1 |
| | | | | REVISION | 00 |
| | | | | NEXT | |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | 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

**C.B. Type (Y)**

o r /2Y t ŏÜ b { · λ /± { ŧŒU ŭ2 OCM !
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! ŲŀŀÜÔŧüŀ2y ŀŀŸü

5 ŀ ä Ü ŀ Ô ŧ ü ŀ 2 y
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a r a ż ŀ ż Œ
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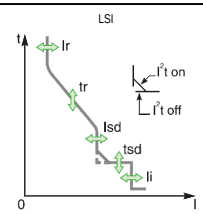
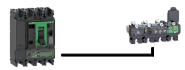


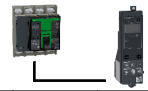

### MicroLogic 6.3 E-M ( ComPacT NSX )

(Y)=C.B. Type (Z)=Type of Measurement
(W)=Type of protection (K)=Application



### MicroLogic 5.0 H ( ComPacT NS )

(Y)=C.B. Type (Z)=Type of Measurement
(W)=Type of protection



### MicroLogic 2.0 X ( MasterPacT MTZ )

(Y)=C.B. Type (J)=Type of Technology
(W)=Type of protection

### ETS 2.2 ( EasyPacT CVS )

(Y)=C.B. Type
(W)=Type of protection

| 9ŀŠÔÜŧ2yŀÕ ¢ŒŀŀJ ¦ yŀü ¢ŒLŠ | MicroLogic 6.3 E-M ( ComPacT NSX ) | | | | MicroLogic 5.0 H ( ComPacT NS ) | | | | MicroLogic 2.0 X ( MasterPacT MTZ ) | | | | ETS 2.2 ( EasyPacT CVS ) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (W) | (Y) | (Z) | (K) | (W) | (Y) | (Z) | | (W) | (Y) | (J) | | (W) | (Y) | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ H ŀ \ n a | SI | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ o ŀ o D | $LS_0I$ | 2 | - | G | - | - | - | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ o ŀ n | $LS_0I$ | 3 | - | Distribution | - | - | - | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ o ŀ n a | $LS_0I$ | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ ± ŀ 3 ŀ p ŀ o | $LS_0IR$ | 2 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ ± ŀ 3 ŀ p ŀ n ! [ | $LS_0I$ | 3 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ c ŀ o ! | LSI | 2 | A | Distribution | - | - | - | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ c ŀ n 9 | LSI | 3 | E | Distribution | - | - | - | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ T ŀ n 9 ρ a | LSIG | 3 | E | M | - | - | - | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ ± ŀ 3 ŀ y ŀ o 9 ρ ! [ | LSI | 2 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ ± ŀ 3 ŀ y ŀ n 9 | LSIR | 3 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ o ŀ M | - | - | - | - | LI | 0 | - | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ c ŀ M | - | - | - | - | LSI | 0 | - | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ o ŀ M ! | - | - | - | - | LI | 0 | A | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ c ŀ M ! | - | - | - | - | LSI | 0 | A | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ T ŀ M ! | - | - | - | - | LSIG | 0 | A | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ y ŀ M ! | - | - | - | - | LSIR | 0 | A | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ o ŀ M 9 | - | - | - | - | LI | 0 | E | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ c ŀ M 9 | - | - | - | - | LSI | 0 | E | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ T ŀ M 9 | - | - | - | - | LSIG | 0 | E | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ c ŀ M t | - | - | - | - | LSI | 0 | P | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ T ŀ M t | - | - | - | - | LSIG | 0 | P | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ y ŀ M t | - | - | - | - | LSIR | 0 | P | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ c ŀ M I | - | - | - | - | LSI | 0 | H | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ T ŀ M I | - | - | - | - | LSIG | 0 | H | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ y ŀ M I | - | - | - | - | LSIR | 0 | H | | - | - | - | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ o ŀ M · | - | - | - | - | - | - | - | | LI | 0 | X | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ c ŀ M · | - | - | - | - | - | - | - | | LSI | 0 | X | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ T ŀ M · | - | - | - | - | - | - | - | | LSIG | 0 | X | | - | - | | |
| a ŀÔÑŀ2 [ 2 3 ŀÕ y ŀ M · | - | - | - | - | - | - | - | | LSIR | 0 | X | | - | - | | |
| 9 ¢ { o ŀ o | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 2 | | |
| 9 ¢ { o ŀ n | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 3 | | |

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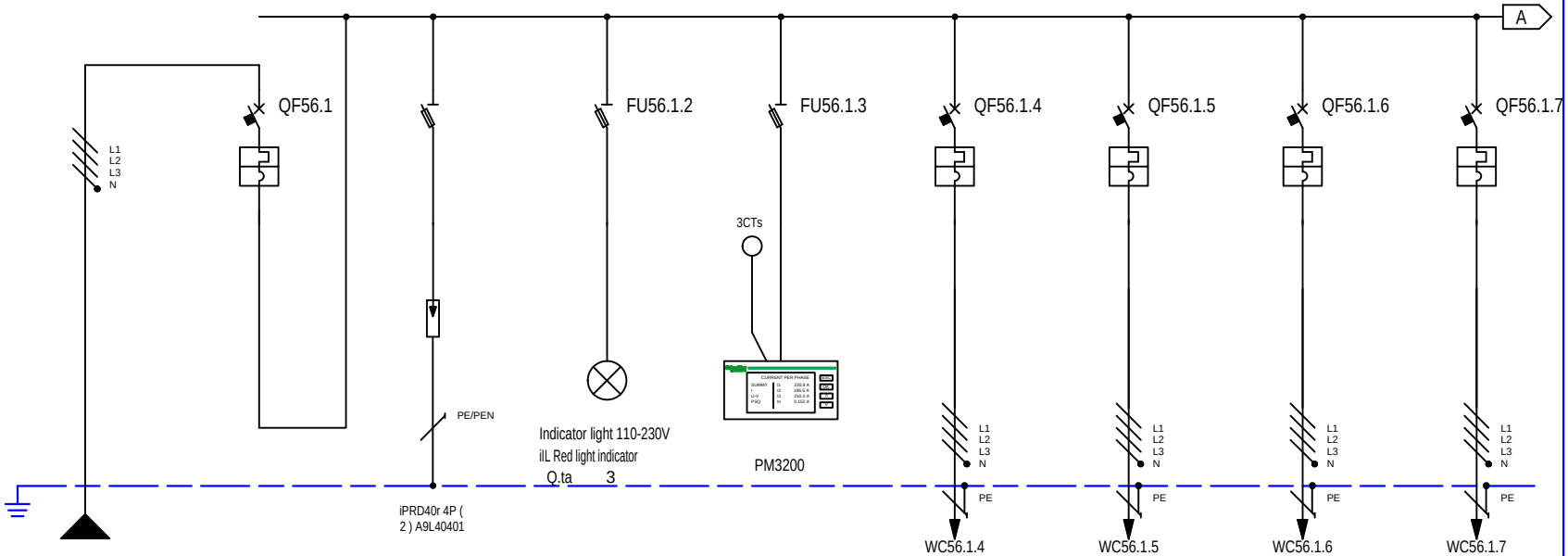
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri, _[Q56]_[P.E.HVAC.O4-K.+2].dwg |
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 2 |
| | | | | REVISION | 00 |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | NEXT | |
| | | | | TABLE | |

REF. SWITCHBOARD [P.E.HVAC.O4-K.+2]




TERMINALS NUMBERING

| CIRCUIT NUMBERING | | DISTRIBUTION | | L1L2L3NPE | 1 | | 2 | L1L2L3NPE | 3 | L1NPE | 4 | L1L2L3NPE | 5 | L1L2L3NPE | 6 | L1L2L3NPE | 7 | L1L2L3NPE | 8 | L1L2L3NPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT DESCRIPTION | | | Linja L.01 Vjen nga Paneli P.E.K-TU | | Linja L.01 Vjen nga Paneli P.E.K-TU | | Shkarkues Mbitensioni 3F + Mbrojtje | | Llambe sinjalizimi 3F + Mbrojtje me Bllok Siguresa | | Multimeter digital Parametrave Rrjetit + Mbrotje Siguresa | | Linja L.01 Pajisje VRF Sistemi 13 | | Linja L.02 Pajisje VRF Sistemi 14 | | Linja L.03 Pajisje VRF Sistemi 15 | | Linja L.04 Pajisje VRF Sistemi 4 | |
| EQUIPMENT | | | | | ComPacT NSX250 B | | STI | | SBI50 | | SBI50 | | ComPacT NSXm E | | ComPacT NSXm E | | ComPacT NSXm E | | ComPacT NSXm E | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | | | 25 | | | | 100 | | 100 | | 16 | | 16 | | 16 | | 16 | |
| | N. POLES | In [A] | | | 4P | 250 | | | 3P+N | | 3P+N | | 4P | 80 | 4P | 80 | 4P | 80 | 4P | 63 |
| | CURVE/TRIPPING UNIT | | | | TM-D | | | | | | | | TM-D | | TM-D | | TM-D | | TM-D | |
| | Ir [A] | tr [s] | | | 200 | 0,8x | | | | | | | 64 | 0,8x | 80 | 1x | 64 | 0,8x | 56,7 | 0,9x |
| | Isd [A] | tsd [s] | | | 2500 | 10x | | | | | | | 1000 | | 1000 | | 1000 | | 800 | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | | | | | | | | | | | | | |
| | Idn [A] | tdn [ms] | | | | | | | | | | | | | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES In [A] | | | | | | | | | | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE | 31 - E | | | | | | | | | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x150 | 1x150 1x95 | | | | | | | | | 1x25 | 1x16 1x16 | 1x25 | 1x25 1x16 | 1x25 | 1x25 1x16 | 1x16 | 1x16 1x16 |
| | Ib [A] | Iz [A] | 190,1 | 307,2 | | | | | | | | | 63,8 | 127 | 72,2 | 127 | 63,8 | 127 | 53,7 | 100 |
| | Un [V] | Pn [kW] | 400 | 113,25 | | 113,25 | | | | | | | 400 | 38 | 400 | 43 | 400 | 38 | 400 | 32 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 5,9 | 13,3 | | | | | | | | | 1,7 | 7,7 | 2,4 | 8,5 | 2,5 | 8,8 | 2,1 | 8 |
| | LENGTH [m] | dV TOTAL [%] | 20 | 1 | | | | | | | | | 25 | 1,6 | 20 | 1,5 | 18 | 1,4 | 15 | 1,4 |
| NOTES | | | | | | | | | | | | | | | | | | | | |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CUSTOMER Fondi Shqiptar i Zhvillimit

PLANT Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike"

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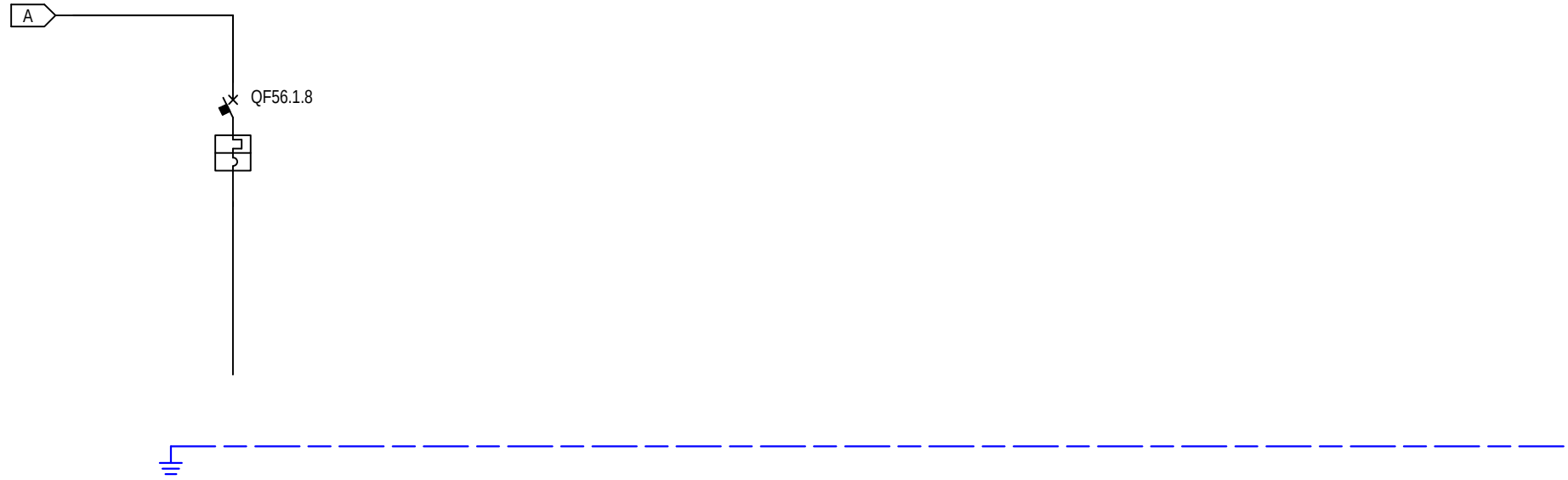
|---|---|---|---|
| PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri_ [Q56]_[P.E.HVAC.O4-K.+2].dwg |
| ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| DESIGNER | Besart DALLIU | PAGE | 3 |
| | | REVISION | 00 |
| | | NEXT | |
| | | DRAWING | |

Schneider Electric

| REF. SWITCHBOARD | [P.E.HVAC.O4-K.+2] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




TERMINALS NUMBERING

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT NUMBERING | | DISTRIBUTION | 9 | L1L2L3PE | | | | | | | |
| CIRCUIT DESCRIPTION | | | Linja L.05<br>Automa 3F<br>Rezerve | | | | | | | | |
| EQUIPMENT | | | ComPacT NSXm E | | | | | | | | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 16 | | | | | | | | |
| | N. POLES | In [A] | 4P | 40 | | | | | | | |
| | CURVE/TRIPPING UNIT | | TM-D | | | | | | | | |
| | Ir [A] | tr [s] | 28 | 0,7x | | | | | | | |
| | Isd [A] | tsd [s] | 600 | | | | | | | | |
| | Ii [xIn] | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | | | | |
| | Idn [A] | tdn [ms] | | | | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES | In [A] | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | | | | | | | | | |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | | | | | | | | | |
| | Ib [A] | Iz [A] | | | | | | | | | |
| | Un [V] | Pn [kW] | | | | | | | | | |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | | | | | | | | | |
| | LENGTH [m] | dV TOTAL [%] | | | | | | | | | |
| NOTES | | | | | | | | | | | |

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|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK |
| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | |

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| FILE | e7. skema tu, poli i ri, _[Q56]_[P.E.HVAC.O4-K.+2].dwg | | |
| DATE | 01/07/2024 | REVISION | 00 |
| PAGE | 4 | NEXT | |
| DRAWING | | | |

Schneider Electric

END USER

# Objekti "Poli i Ri Teknologjise se Informacionit

dhe Sigurise Kibernetike"

Sauk, Tirane

JOB ORDER

## Fondi Shqiptar i Zhvillimit

SWITCHBOARD

## Paneli Elektrik Ambienti Perbashket & Parkimi - Kati -2

### SWITCHBOARD CHARACTERISICS

| | | | |
|---|---|---|---|
| UPSTREAM PLANT<br>[P.E.K-TU]<br>Tirane | | | |
| VOLTAGE [V] | 400 | FREQ. [Hz] | 50 |
| SWITCHBOARD RATED CURRENT [A] | | | |
| SWITCHBOARD PERSPECTIVE CURRENT [kA] | | | 12,8 |
| NEUTRAL SYSTEM | | | TNS |
| BUSBAR SIZE<br>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 |
| | ☐ | |

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|---|---|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri, [Q57]_[P.E.Am.P&Pa-K.-2].dwg |
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 1 |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | 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

| | MicroLogic 6.3 E-M ( ComPacT NSX ) | | | | MicroLogic 5.0 H ( ComPacT NS ) | | | | MicroLogic 2.0 X ( MasterPacT MTZ ) | | | | ETS 2.2 ( EasyPacT CVS ) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (W) | (Y) | (Z) | (K) | (W) | (Y) | (Z) | | (W) | (Y) | (J) | | (W) | (Y) | | |
| a lÔÑl2[2ƎlÔ HlΛn a | SI | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛo D | $LS_0I$ | 2 | - | G | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛn | $LS_0I$ | 3 | - | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛn a | $LS_0I$ | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±l3l pΛo | $LS_0IR$ | 2 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±l3l pΛn ![ | $LS_0I$ | 3 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛo ! | LSI | 2 | A | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛn 9 | LSI | 3 | E | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛn 9ρa | LSIG | 3 | E | M | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±l3l yΛo 9ρ![ | LSI | 2 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±l3l yΛn 9 | LSIR | 3 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛM | - | - | - | - | LI | 0 | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM | - | - | - | - | LSI | 0 | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛM ! | - | - | - | - | LI | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM ! | - | - | - | - | LSI | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛM ! | - | - | - | - | LSIG | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ yΛM ! | - | - | - | - | LSIR | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛM 9 | - | - | - | - | LI | 0 | E | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM 9 | - | - | - | - | LSI | 0 | E | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛM 9 | - | - | - | - | LSIG | 0 | E | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM t | - | - | - | - | LSI | 0 | P | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛM t | - | - | - | - | LSIG | 0 | P | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ yΛM t | - | - | - | - | LSIR | 0 | P | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM I | - | - | - | - | LSI | 0 | H | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛM I | - | - | - | - | LSIG | 0 | H | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ yΛM I | - | - | - | - | LSIR | 0 | H | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ oΛM · | - | - | - | - | - | - | - | | LI | 0 | X | | - | - | | |
| a lÔÑl2[2ƎlÔ cΛM · | - | - | - | - | - | - | - | | LSI | 0 | X | | - | - | | |
| a lÔÑl2[2ƎlÔ TΛM · | - | - | - | - | - | - | - | | LSIG | 0 | X | | - | - | | |
| a lÔÑl2[2ƎlÔ yΛM · | - | - | - | - | - | - | - | | LSIR | 0 | X | | - | - | | |
| 9¢{ oΛo | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 2 | | |
| 9¢{ oΛn | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 3 | | |

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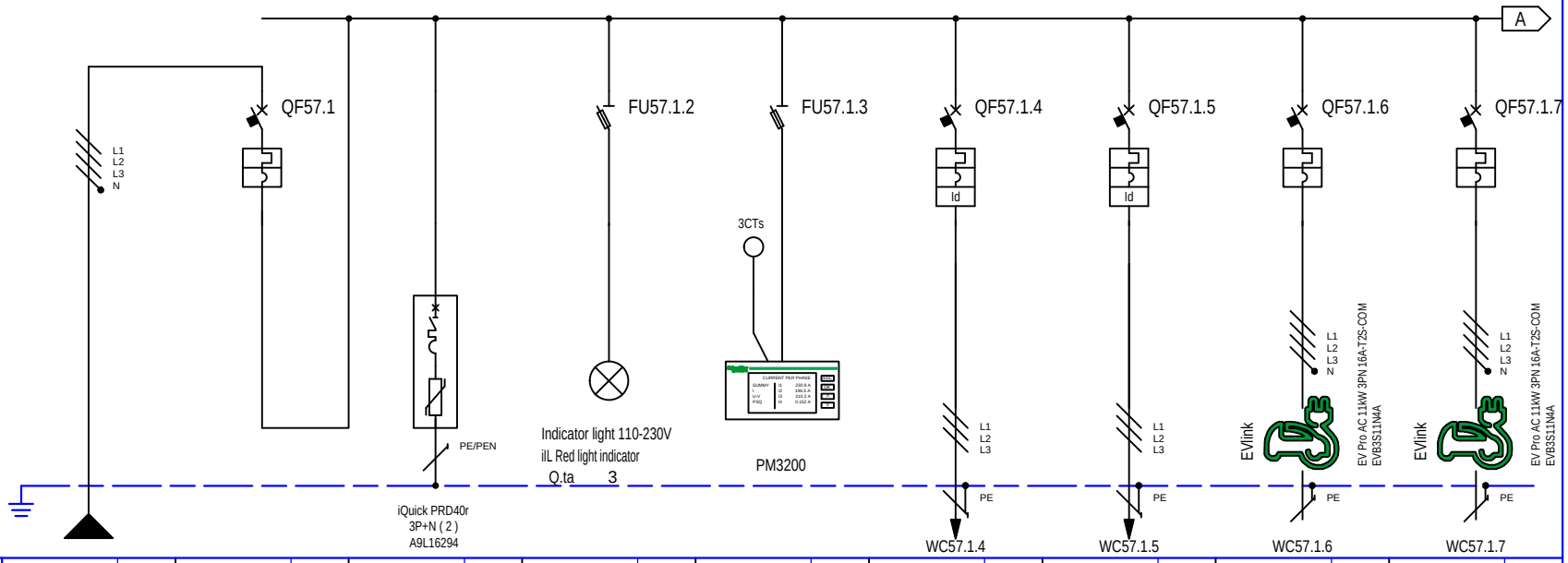
| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | FILE | e7. skema tu, poli i ri, [Q57]_[P.E.Am.P&Pa-K.-2].dwg |
| | | DATE | 01/07/2024 |
| | | PAGE | 2 |
| | | TABLE | |
| | | REVISION | 00 |
| | | NEXT | |

REF. SWITCHBOARD [P.E.Am.P&Pa-K.-2]

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|




TERMINALS NUMBERING

| CIRCUIT NUMBERING | | DISTRIBUTION | | L1L2L3NPE | 1 | | 2 | L1L2L3NPE | 3 | L1NPE | 4 | L1L2L3NPE | 5 | L1L2L3PE | 6 | L1L2L3PE | 7 | L1L2L3NPE | 8 | L1L2L3NPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT DESCRIPTION | | | Linja L.01 Vjen nga Paneli P.E.K.TU | | Linja L.01 Vjen nga Paneli P.E.K.TU | | Shkarkues Mbitensioni 3F + Mbrojtje | | Llambe sinjalizimi 3F + Mbrojtje me Bllok Siguresa | | Multimeter digital Parametrave Rrjetit + Mbrotje Siguresa | | Linja L.01-Fuqie Pompa MKZ Amb.Teknik | | Linja L.02-Fuqie Pompa UNS Am.Teknik | | Linja L.03-Fuqie Karikues Makine 01 | | Linja L.04-Fuqie Karikues Makine 02 | |
| EQUIPMENT | | | | | ComPacT NSX250 B | | | | SBI50 | | SBI50 | | ComPacT NSXm E | | iC60 H | | iC60 H | | iC60 H | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | | | 25 | | | | 100 | | 100 | | 16 | | 15 | | 15 | | 15 | |
| | N. POLES | In [A] | | | 4P | 200 | | | 3P+N | | 3P+N | | 4P | 100 | 4P | 16 | 4P | 25 | 4P | 25 |
| | CURVE/TRIPPING UNIT | | | | TM-D | | | | | | | | Micrologic 4.1 Vigi | | C | | C | | C | |
| | Ir [A] | tr [s] | | | 180 | 0,9x | | | | | | | 70 | | 16 | | 25 | | 25 | |
| | Isd [A] | tsd [s] | | | 2000 | 10x | | | | | | | 700 | 10x | 160 | | 250 | | 250 | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | | | | | | Micrologic Vigi | A | Acti9 Vigi | AC | | | | |
| | Idn [A] | tdn [ms] | | | | | | | | | | | 0,03 | 0 | 0,03 | Instantaneous | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES In [A] | | | | | | | | | | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE | 31 - E | | | | | | | | | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x95 | 1x95 1x50 | | | | | | | | | 1x16 | 1x25 | 1x2,5 | 1x2,5 | 1x6 | 1x6 1x6 | 1x6 | 1x6 1x6 |
| | Ib [A] | Iz [A] | 179,2 | 298 | | | | | | | | | 65,6 | 100 | 3,4 | 32 | 15,9 | 54 | 15,9 | 54 |
| | Un [V] | Pn [kW] | 400 | 109,62 | | 109,62 | | | | | | | 400 | 40 | 400 | 2 | 400 | 11 | 400 | 11 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 4,8 | 12,8 | | | | | | | | | 5,6 | 10,6 | 0,9 | 2 | 0,8 | 3,4 | 0,8 | 3,4 |
| | LENGTH [m] | dV TOTAL [%] | 48 | 1,1 | | | | | | | | | 5 | 1,3 | 15 | 1,2 | 20 | 1,6 | 20 | 1,6 |
| NOTES | | | | | | | | | | | | | | | | | | | | |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| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | |

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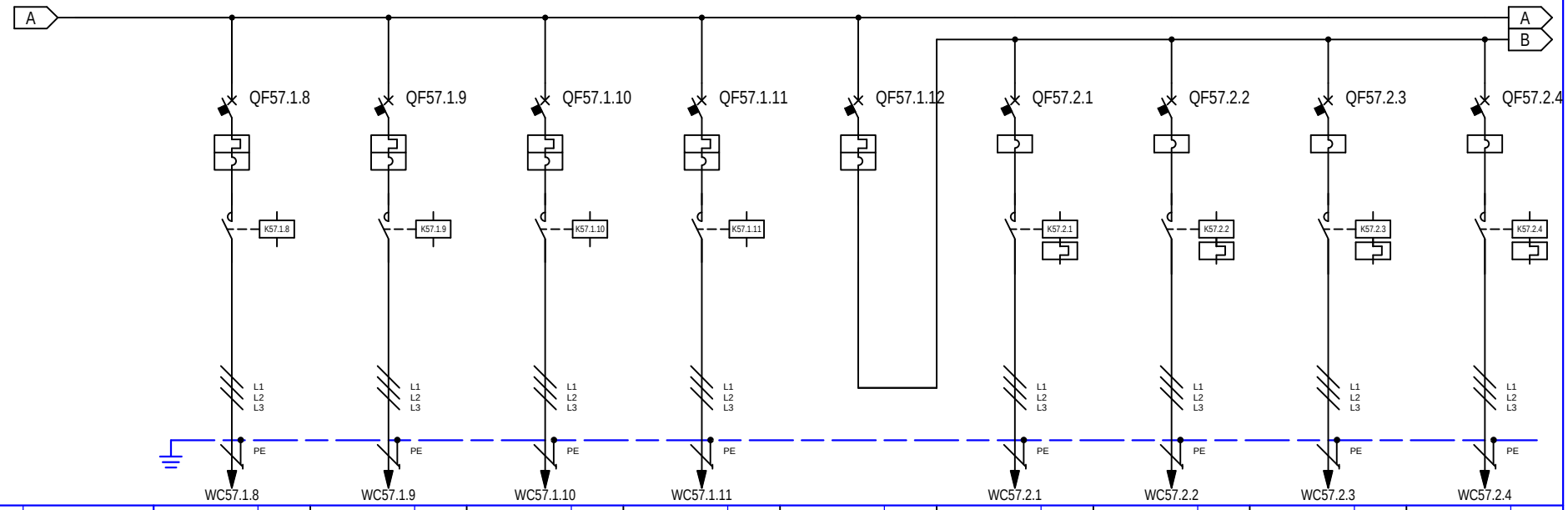
REF. SWITCHBOARD [P.E.Am.P&Pa-K.-2]




| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TERMINALS NUMBERING | | | WC57.1.8 | WC57.1.9 | WC57.1.10 | WC57.1.11 | | WC57.2.1 | WC57.2.2 | WC57.2.3 | WC57.2.4 |
| CIRCUIT NUMBERING | | DISTRIBUTION | 9 L1L2L3PE | 10 L1L2L3PE | 11 L1L2L3PE | 12 L1L2L3PE | 13 L1L2L3PE | 14 L1L2L3PE | 15 L1L2L3PE | 16 L1L2L3PE | 17 L1L2L3PE |
| CIRCUIT DESCRIPTION | | | Linja L.05-Fuqie Ventilator 01 Parkimi | Linja L.06-Fuqie Ventilator 02 Parkimi | Linja L.07-Fuqie Ventilator 03 Parkimi | Linja L.08-Fuqie Ventilator 04 Parkimi | Automat kryesor Grupi | Linja L.09-Fuqie Furnizon Jetfan 1/V1 | Linja L.10-Fuqie Furnizon Jetfan 1/V2 | Linja L.11-Fuqie Furnizon Jetfan 2/V1 | Linja L.13-Fuqie Furnizon Jetfan 2/V2 |
| EQUIPMENT | | | iC60 H | iC60 H | iC60 H | iC60 H | iC60 H | GV2 | GV2 | GV2 | GV2 |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 15 | 15 | 15 | 15 | 15 | 50 | 50 | 50 | 50 |
| | N. POLES | In [A] | 4P 20 | 4P 20 | 4P 20 | 4P 20 | 4P 40 | 3 2,5 | 3 2,5 | 3 2,5 | 3 2,5 |
| | CURVE/TRIPPING UNIT | | C | C | C | B | C | LE07 | LE07 | LE07 | LE07 |
| | Ir [A] | tr [s] | 20 | 20 | 20 | 20 | 40 | | | | |
| | Isd [A] | tsd [s] | 200 | 200 | 200 | 96 | 400 | 33,5 | 33,5 | 33,5 | 33,5 |
| | Ii [xIn] | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | | | | |
| | Idn [A] | tdn [ms] | | | | | | | | | |
| CONTACTOR | TYPE | CLASS | LC1D18 AC1 | LC1D18 AC1 | LC1D18 AC1 | LC1D18 AC1 | | LC1K06 AC3 | LC1K06 AC3 | LC1K06 AC3 | LC1K06 AC3 |
| IMPULSE RELAY | COIL N. POLES | In [A] | 230ca 4P 32 | 230ca 4P 32 | 230ca 4P 32 | 230ca 4P 32 | | 230ca 3P 6 | 230ca 3P 6 | 230ca 3P 6 | 230ca 3P 6 |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | LR2K0308 2 | LR2K0308 2 | LR2K0308 2 | LR2K0308 2 |
| FUSE | N. POLES | In [A] | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x4 1x4 | 1x4 1x4 | 1x4 1x4 | 1x4 1x4 | | 1x1,5 1x1,5 | 1x1,5 1x1,5 | 1x1,5 1x1,5 | 1x1,5 1x1,5 |
| | Ib [A] | Iz [A] | 14,9 42 | 14,9 42 | 14,9 42 | 14,9 42 | | 2 23 | 2 23 | 2 23 | 2 23 |
| | Un [V] | Pn [kW] | 400 8,8 | 400 8,8 | 400 8,8 | 400 8,8 | 7,92 | 400 1,1 | 400 1,1 | 400 1,1 | 400 1,1 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 1,3 3,1 | 1,3 3,1 | 1,3 3,1 | 1,3 3,1 | | 0,3 0,8 | 0,3 0,8 | 0,3 0,8 | 0,3 0,8 |
| | LENGTH [m] | dV TOTAL [%] | 15 1,6 | 15 1,6 | 15 1,6 | 15 1,6 | | 25 1,3 | 25 1,3 | 25 1,3 | 25 1,3 |
| NOTES | | | | | | | | | | | |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CUSTOMER Fondi Shqiptar i Zhvillimit

PROJECT Skemat TU_Poli i Ri i TISK

ARCHIVE BD-2024

DESIGNER Besart DALLIU

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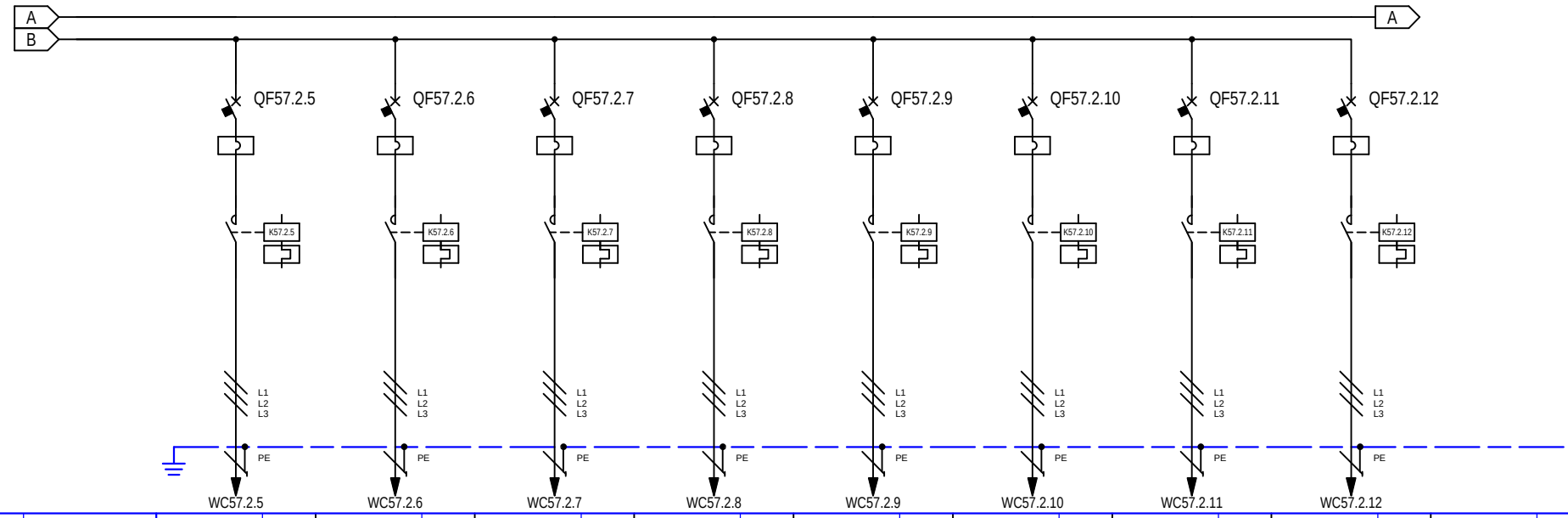
PLANT Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike"

DRAWING

Schneider Electric

REF. SWITCHBOARD [P.E.Am.P&Pa-K.-2]




| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TERMINALS NUMBERING | | | WC57.2.5 | WC57.2.6 | WC57.2.7 | WC57.2.8 | WC57.2.9 | WC57.2.10 | WC57.2.11 | WC57.2.12 | |
| CIRCUIT NUMBERING | DISTRIBUTION | | 18 L1L2L3PE | 19 L1L2L3PE | 20 L1L2L3PE | 21 L1L2L3PE | 22 L1L2L3PE | 23 L1L2L3PE | 24 L1L2L3PE | 25 L1L2L3PE | |
| CIRCUIT DESCRIPTION | | | Linja L.14-Fuqie Furnizon Jetfan 3/V1 | Linja L.15-Fuqie Furnizon Jetfan 3/V1 | Linja L.16-Fuqie Furnizon Jetfan 4/V1 | Linja L.17-Fuqie Furnizon Jetfan 4/V1 | Linja L.18-Fuqie Furnizon Jetfan 5/V1 | Linja L.19-Fuqie Furnizon Jetfan 5/V1 | Linja L.20-Fuqie Furnizon Jetfan 6/V1 | Linja L.21-Fuqie Furnizon Jetfan 6/V1 | |
| EQUIPMENT | | | GV2 | GV2 | GV2 | GV2 | GV2 | GV2 | GV2 | GV2 | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | |
| | N. POLES | In [A] | 3 2,5 | 3 2,5 | 3 2,5 | 3 2,5 | 3 2,5 | 3 2,5 | 3 2,5 | 3 2,5 | |
| | CURVE/TRIPPING UNIT | | LE07 | LE07 | LE07 | LE07 | LE07 | LE07 | LE07 | LE07 | |
| | Ir [A] | tr [s] | | | | | | | | | |
| | Isd [A] | tsd [s] | 33,5 | 33,5 | 33,5 | 33,5 | 33,5 | 33,5 | 33,5 | 33,5 | |
| | Ii [xIn] | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | | | | |
| | Idn [A] | tdn [ms] | | | | | | | | | |
| CONTACTOR | TYPE | CLASS | LC1K06 AC3 | LC1K06 AC3 | LC1K06 AC3 | LC1K06 AC3 | LC1K06 AC3 | LC1K06 AC3 | LC1K06 AC3 | LC1K06 AC3 | |
| IMPULSE RELAY | COIL N. POLES | In [A] | 230ca 3P 6 | 230ca 3P 6 | 230ca 3P 6 | 230ca 3P 6 | 230ca 3P 6 | 230ca 3P 6 | 230ca 3P 6 | 230ca 3P 6 | |
| THERMAL RELAY | TYPE | Irth [A] | LR2K0308 2 | LR2K0308 2 | LR2K0308 2 | LR2K0308 2 | LR2K0308 2 | LR2K0308 2 | LR2K0308 2 | LR2K0308 2 | |
| FUSE | N. POLES | In [A] | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 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 | 1x1,5 1x1,5 | |
| | Ib [A] | Iz [A] | 2 23 | 2 23 | 2 23 | 2 23 | 2 23 | 2 23 | 2 23 | 2 23 | |
| | Un [V] | Pn [kW] | 400 1,1 | 400 1,1 | 400 1,1 | 400 1,1 | 400 1,1 | 400 1,1 | 400 1,1 | 400 1,1 | |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 0,3 0,8 | 0,3 0,8 | 0,3 0,8 | 0,3 0,8 | 0,3 0,8 | 0,3 0,8 | 0,3 0,8 | 0,3 0,8 | |
| | LENGTH [m] | dV TOTAL [%] | 25 1,3 | 25 1,3 | 25 1,3 | 25 1,3 | 25 1,3 | 25 1,3 | 25 1,3 | 25 1,3 | |
| NOTES | | | | | | | | | | | |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CUSTOMER Fondi Shqiptar i Zhvillimit

PROJECT Skemat TU_Poli i Ri i TISK

ARCHIVE BD-2024

DESIGNER Besart DALLIU

FILE e7. skema tu, poli i ri, [Q57]_[P.E.Am.P&Pa-K.-2].dwg

DATE 01/07/2024

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REVISION 00

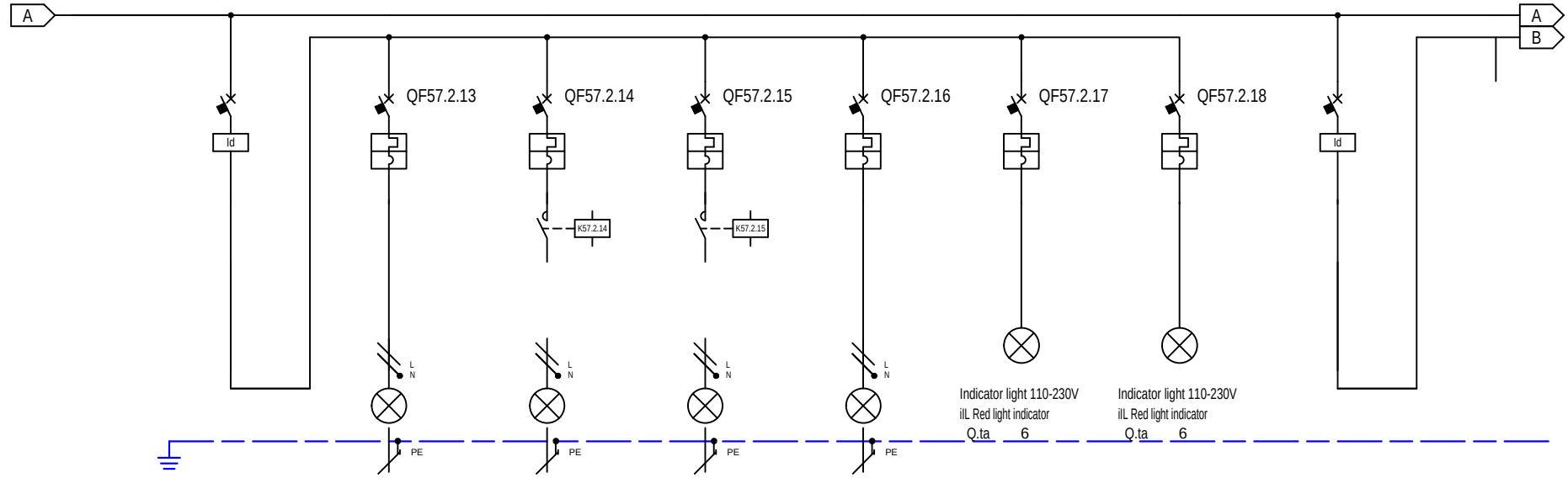
NEXT

PLANT Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike"

DRAWING

Schneider Electric

| REF. SWITCHBOARD | [P.E.Am.P&Pa-K.-2] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




| TERMINALS NUMBERING | | | | WC57.2.13 | | WC57.2.14 | | WC57.2.15 | | WC57.2.16 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT NUMBERING | DISTRIBUTION | | | 26 | L1L2L3N | 27 | L1NPE | 28 | L1NPE | 29 | L2NPE | 30 | L1NPE | 31 | L3NPE | 32 | L3NPE | 33 | L1L2L3N | | |
| CIRCUIT DESCRIPTION | | | | Salvavide Grupi 02 Ndricimi | | Linja L.22-Ndricimi Parkimi Grupi 01 | | Linja L.23-Ndricimi Parkimi Grupi 02 | | Linja L.24-Ndricimi Parkimi Grupi 03 | | Linja L.25-Ndricimi Korridor A.014 | | Linja L.26-Ndricimi Emergjence Kati +2 | | Linja L.27-Ndricimi Exit Kati +1 | | Salvavide Grupi 05 Rezerve | | | |
| EQUIPMENT | | | | iID (4P) | | iC40 N | | iC40 N | | iC40 N | | iC40 N | | iC40 N | | iC40 N | | iID (4P) | | | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | | | | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | | | | | |
| | N. POLES | In [A] | | | 25 | 1P+N | 10 | 1P+N | 10 | 1P+N | 10 | 1P+N | 10 | 1P+N | 10 | 1P+N | 10 | | 25 | | |
| | CURVE/TRIPPING UNIT | | | | | C | | C | | C | | C | | C | | C | | | | | |
| | Ir [A] | tr [s] | | | | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | | | | | |
| | Isd [A] | tsd [s] | | | | 100 | | 100 | | 100 | | 100 | | 100 | | 100 | | | | | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | RCD | A | | | | | | | | | | | | | RCD | AC | | |
| | Idn [A] | tdn [ms] | | 0,03 | Instantaneous | | | | | | | | | | | | | 0,03 | Instantaneous | | |
| CONTACTOR | TYPE | CLASS | | | | | | iCT Na | AC7a | iCT Na | AC7a | | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES | In [A] | | | | | 230ca | 2P | 16 | 230ca | 2P | 16 | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | | | | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E | | | | | | | | |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | | | | 1x1,5 | 1x1,5 | 1x1,5 | 1x1,5 | 1x1,5 | 1x1,5 | 1x1,5 | 1x1,5 | 1x1,5 | 1x1,5 | 1x1,5 | 1x1,5 | | | | | | |
| | Ib [A] | Iz [A] | | | | 2,9 | 26 | 3,8 | 26 | 3,8 | 26 | 1,4 | 26 | | | | | | | | |
| | Un [V] | Pn [kW] | | | 2,5 | 230 | 0,6 | 230 | 0,8 | 230 | 0,8 | 230 | 0,3 | | | | | | | | |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | | | | 0,4 | 0,9 | 0,2 | 0,5 | 0,4 | 0,9 | 0,4 | 0,9 | | | | | | | | |
| | LENGTH [m] | dV TOTAL [%] | | | | 10 | 1,4 | 20 | 2 | 10 | 1,5 | 10 | 1,2 | | | | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | | |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| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri, [Q57]_[P.E.Am.P&Pa-K.-2].dwg |
|---|---|---|---|---|---|
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 6 |
| | | | | REVISION | 00 |
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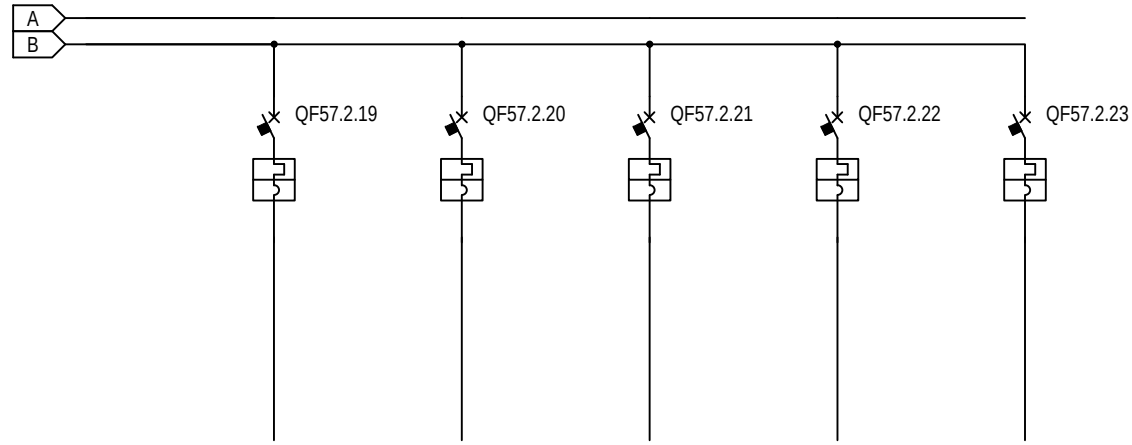
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | DRAWING | | | |

Schneider Electric

| REF. SWITCHBOARD | [P.E.Am.P&Pa-K.-2] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




TERMINALS NUMBERING

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT NUMBERING | | DISTRIBUTION | 34 | L1L2L3NPE | | | 35 | L1NPE | | | 36 | L1NPE | | | 37 | L2NPE | | | 38 | L3NPE | | |
| CIRCUIT DESCRIPTION | | | Linja L.22- 3F Rezeve 01 | | | | Linja L.23- 1F Rezeve 02 | | | | Linja L.24- 1F Rezeve 03 | | | | Linja L.25-1F Rezeve 04 | | | | Linja L.26-1F Rezeve 05 | | | |
| EQUIPMENT | | | iC60 H | | | | iC40 N | | | | iC40 N | | | | iC40 N | | | | iC40 N | | | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 15 | | | | 10 | | | | 10 | | | | 10 | | | | 10 | | | |
| | N. POLES | In [A] | 4P | 16 | | | 1P+N | 16 | | | 1P+N | 16 | | | 1P+N | 16 | | | 1P+N | 10 | | |
| | CURVE/TRIPPING UNIT | | C | | | | C | | | | C | | | | C | | | | C | | | |
| | Ir [A] | tr [s] | 16 | | | | 16 | | | | 16 | | | | 16 | | | | 10 | | | |
| | Isd [A] | tsd [s] | 160 | | | | 160 | | | | 160 | | | | 160 | | | | 100 | | | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | | | | | | | | | | | | | | | |
| | Idn [A] | tdn [ms] | | | | | | | | | | | | | | | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | | | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES | In [A] | | | | | | | | | | | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | | | | | | | | | | | | | | | | | | | | |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | | | | | | | | | | | | | | | | | | | | |
| | Ib [A] | Iz [A] | | | | | | | | | | | | | | | | | | | | |
| | Un [V] | Pn [kW] | | | | | | | | | | | | | | | | | | | | |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | | | | | | | | | | | | | | | | | | | | |
| | LENGTH [m] | dV TOTAL [%] | | | | | | | | | | | | | | | | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | | | |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|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK |
| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | FILE | e7. skema tu, poli i ri, [Q57]_[P.E.Am.P&Pa-K.-2].dwg |
| | | DATE | 01/07/2024 |
| | | PAGE | 7 |
| | | REVISION | 00 |
| | | NEXT | |
| | | DRAWING | |

END USER

# Objekti "Poli i Ri Teknologjise se Informacionit

dhe Sigurise Kibernetike"

Sauk, Tirane

JOB ORDER

## Fondi Shqiptar i Zhvillimit

SWITCHBOARD

## Paneli Elektrik Shperndares Restorant & Menza - Kati +0

### SWITCHBOARD CHARACTERISICS

| | | | |
|---|---|---|---|
| UPSTREAM PLANT<br>[P.E.K-TU]<br>Tirane | | | |
| VOLTAGE [V] | 400 | FREQ. [Hz] | 50 |
| SWITCHBOARD RATED CURRENT [A] | | | |
| SWITCHBOARD PERSPECTIVE CURRENT [kA] | | | 5 |
| NEUTRAL SYSTEM | | | TNS |
| BUSBAR SIZE<br>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 |
| | ☐ | |

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|---|---|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri, _[Q58]_[P.E.SH.Res&Me-K.+0].dwg |
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 1 |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | DRAWING | |

REVISION 00

NEXT

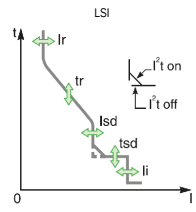
# BASE NOTE

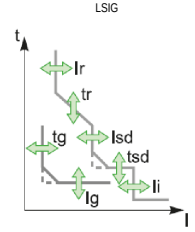
- A complete reading of all the project drawings is necessary for the correct interpretation of the drawings and plants.
- The technical characteristics indicated on the drawing are the minimum required.
- The voltage drops shown are the overall ones from the LV side of the transformers or the incoming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

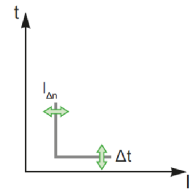
## MicroLogic, MicroLogic X and ETS Electronic Trip Unit identification and description:

EN

| | MicroLogic 6.3 E-M ( ComPacT NSX ) | | | | MicroLogic 5.0 H ( ComPacT NS ) | | | | MicroLogic 2.0 X ( MasterPacT MTZ ) | | | | ETS 2.2 ( EasyPacT CVS ) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (W)=Type of protection (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) | (Y) | (Z) | (K) | (W) | (Y) | (Z) | | (W) | (Y) | (J) | | (W) | (Y) | | |
| a lÔÑl2[2ƎlÔ H\l\n a | SI | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ o\o D | $LS_0I$ | 2 | - | G | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ o\n | $LS_0I$ | 3 | - | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ o\n a | $LS_0I$ | 3 | - | M | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±l3l p\o | $LS_0IR$ | 2 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±l3l p\n ! [ | $LS_0I$ | 3 | - | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ c\o ! | LSI | 2 | A | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ c\n 9 | LSI | 3 | E | Distribution | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ T\n 9ρ a | LSIG | 3 | E | M | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±l3l y\o 9ρ ! [ | LSI | 2 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ ±l3l y\n 9 | LSIR | 3 | E | Distribution + earth Leakage | - | - | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ o\M | - | - | - | - | LI | 0 | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ c\M | - | - | - | - | LSI | 0 | - | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ o\M ! | - | - | - | - | LI | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ c\M ! | - | - | - | - | LSI | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ T\M ! | - | - | - | - | LSIG | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ y\M ! | - | - | - | - | LSIR | 0 | A | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ o\M 9 | - | - | - | - | LI | 0 | E | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ c\M 9 | - | - | - | - | LSI | 0 | E | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ T\M 9 | - | - | - | - | LSIG | 0 | E | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ c\M t | - | - | - | - | LSI | 0 | P | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ T\M t | - | - | - | - | LSIG | 0 | P | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ y\M t | - | - | - | - | LSIR | 0 | P | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ c\M I | - | - | - | - | LSI | 0 | H | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ T\M I | - | - | - | - | LSIG | 0 | H | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ y\M I | - | - | - | - | LSIR | 0 | H | | - | - | - | | - | - | | |
| a lÔÑl2[2ƎlÔ o\M · | - | - | - | - | - | - | - | | LI | 0 | X | | - | - | | |
| a lÔÑl2[2ƎlÔ c\M · | - | - | - | - | - | - | - | | LSI | 0 | X | | - | - | | |
| a lÔÑl2[2ƎlÔ T\M · | - | - | - | - | - | - | - | | LSIG | 0 | X | | - | - | | |
| a lÔÑl2[2ƎlÔ y\M · | - | - | - | - | - | - | - | | LSIR | 0 | X | | - | - | | |
| 9¢{ o\o | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 2 | | |
| 9¢{ o\n | - | - | - | - | - | - | - | | - | - | - | | $LS_0I$ | 3 | | |

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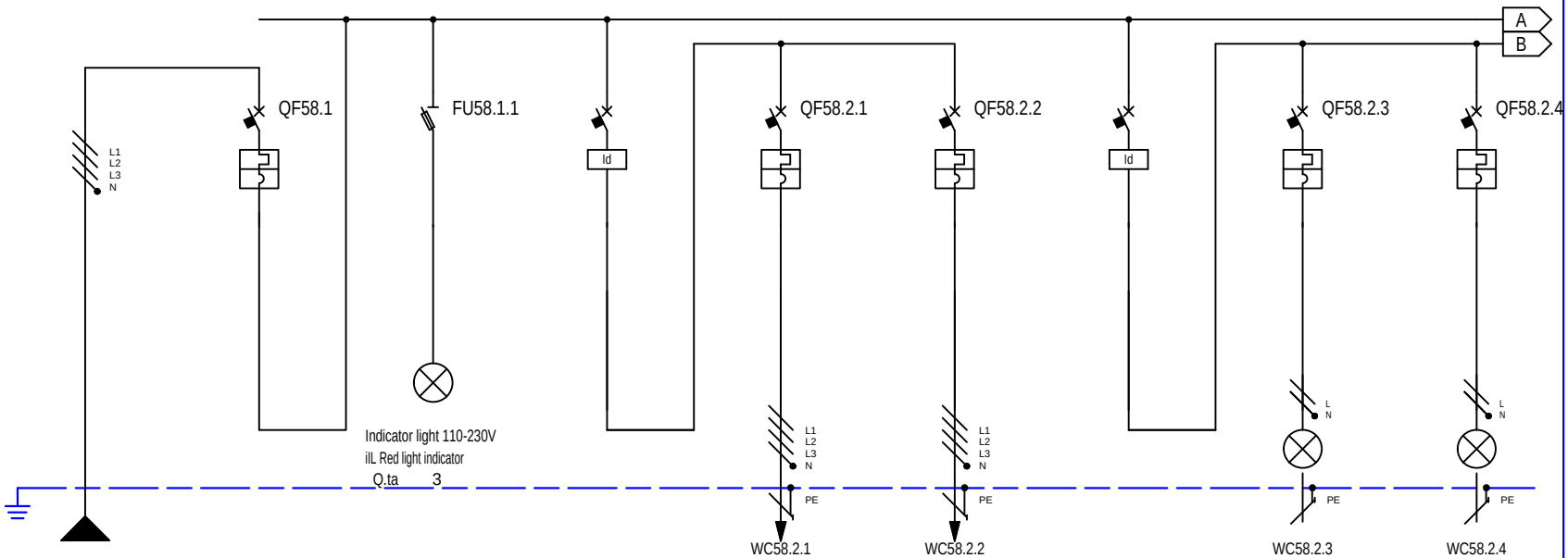
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK |
| | | ARCHIVE | BD-2024 |
| | | DESIGNER | Besart DALLIU |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | FILE | e7. skema tu, poli i ri, _[Q58]_[P.E.SH.Res&Me-K.+0].dwg |
| | | DATE | 01/07/2024 |
| | | PAGE | 2 |
| | | TABLE | |
| | | REVISION | 00 |
| | | NEXT | |

REF. SWITCHBOARD [P.E.SH.Res&Me-K.+0]




TERMINALS NUMBERING

| CIRCUIT NUMBERING | | DISTRIBUTION | | L1L2L3NPE | 1 | | 2 | L1NPE | 3 | L1L2L3N | 4 | L1L2L3NPE | 5 | L1L2L3NPE | 6 | L1L2L3N | 7 | L2NPE | 8 | L3NPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT DESCRIPTION | | | Linja L.01 Vjen nga Paneli P.E.K.TU | | Linja L.01 Vjen nga Paneli P.E.K.TU | | Llambe sinjalizimi 3F + Mbrojtje me Bllok Siguresa | | 3 | | Linja 01- Fuqie Ekspres Kafe 3F banak | | Linja 02- Fuqie Pajisje kjuzhinae | | Salvavide Grupi 02 Ndricimi | | Linja L.03-Ndricimi Bari + Magazina B.014+B.015 | | Linja L.04-Ndricimi Korridor B.026 | |
| EQUIPMENT | | | | | iC60 N | | SBI50 | | iID (4P) | | iC40 N | | iC40 N | | iID (4P) | | iC40 a | | iC40 a | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | | | 10 | | 100 | | | | 10 | | 10 | | | | 6 | | 6 | |
| | N. POLES | In [A] | | | 4P | 63 | 3P+N | | | 63 | 3P+N | 16 | 3P+N | 16 | | 25 | 1P+N | 10 | 1P+N | 10 |
| | CURVE/TRIPPING UNIT | | | | C | | | | | | C | | C | | | | C | | C | |
| | Ir [A] | tr [s] | | | 63 | | | | | | 16 | | 16 | | | | 10 | | 10 | |
| | Isd [A] | tsd [s] | | | 630 | | | | | | 160 | | 160 | | | | 100 | | 100 | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | | RCD | A | | | | | RCD | A | | | | |
| | Idn [A] | tdn [ms] | | | | | | | 0,03 | Instantaneous | | | | | 0,03 | Instantaneous | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES In [A] | | | | | | | | | | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE | 31 - E | | | | | | | XLPE | 31 - E | XLPE | 31 - E | | | XLPE | 31 - E | XLPE | 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x16 | 1x16 1x16 | | | | | | | 1x2,5 | 1x2,5 1x2,5 | 1x2,5 | 1x2,5 1x2,5 | | | 1x1,5 | 1x1,5 1x1,5 | 1x1,5 | 1x1,5 1x1,5 |
| | Ib [A] | Iz [A] | 21,8 | 100 | | | | | | | 4,8 | 32 | 3,2 | 32 | | | 1 | 26 | 4,8 | 26 |
| | Un [V] | Pn [kW] | 400 | 12,6 | | 12,6 | | | | 5 | 400 | 3 | 400 | 2 | | 2 | 230 | 0,2 | 230 | 1 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 1,1 | 5 | | | | | | | 0,6 | 2,9 | 0,6 | 2,9 | | | 0,3 | 0,7 | 0,1 | 0,3 |
| | LENGTH [m] | dV TOTAL [%] | 40 | 0,6 | | | | | | | 5 | 0,7 | 5 | 0,7 | | | 10 | 0,7 | 35 | 2,7 |
| NOTES | | | | | | | | | | | | | | | | | | | | |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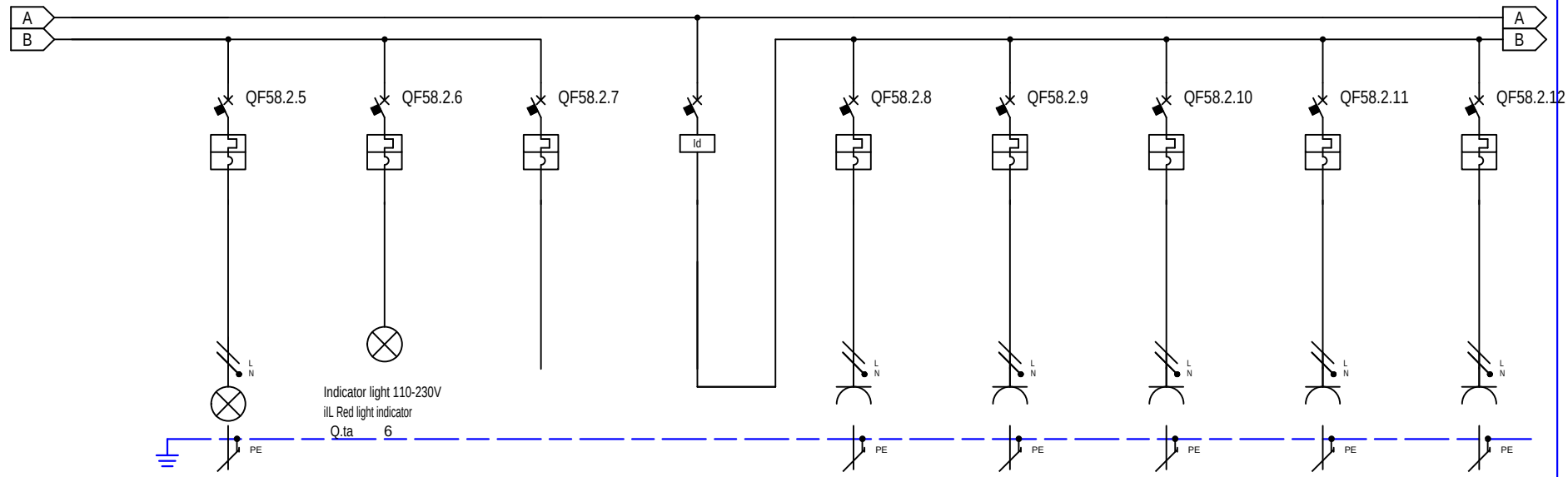
| | | | |
|---|---|---|---|
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT Skemat TU_Poli i Ri i TISK | FILE e7. skema tu, poli i ri, _[Q58]_[P.E.SH.Res&Me-K.+0].dwg |
| | | ARCHIVE BD-2024 | DATE 01/07/2024 REVISION 00 |
| | | DESIGNER Besart DALLIU | PAGE 3 NEXT |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | DRAWING |

Schneider Electric

| REF. SWITCHBOARD | [P.E.SH.Res&Me-K.+0] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




| TERMINALS NUMBERING | | | WC58.2.5 | | | | | | WC58.2.8 | | WC58.2.9 | | WC58.2.10 | | WC58.2.11 | | WC58.2.12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT NUMBERING | | DISTRIBUTION | 9 | L1NPE | 10 | L3NPE | 11 | L1NPE | 12 | L1L2L3N | 13 | L1NPE | 14 | L3NPE | 15 | L2NPE | 16 | L1NPE | 17 | L3NPE |
| CIRCUIT DESCRIPTION | | | Linja L.05-Ndricimi WC+Depo B.016+B.017+B.018 | | Linja L.18-Ndricimi Emergjence Kati +2 | | Linja L.06-Ndricimi Rezerve 01 | | Salvavide Grupi 03 Priza Kuzhina | | Linja L.20-Priza Kuzhina Kati +0 | | Linja L.21-Priza Kuzhina Kati +0 | | Linja L.20-Priza Kuzhina Kati +0 | | Linja L.21-Priza Kuzhina Kati +0 | | Linja L.22-Priza Kuzhina Kati +0 | |
| EQUIPMENT | | | iC40 a | | iC40 N | | iC40 a | | iID (4P) | | iC40 N | | iC40 N | | iC40 N | | iC40 N | | iC40 N | |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 6 | | 10 | | 6 | | | | 10 | | 10 | | 10 | | 10 | | 10 | |
| | N. POLES | In [A] | 1P+N | 10 | 1P+N | 10 | 1P+N | 10 | | 40 | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 | 1P+N | 16 |
| | CURVE/TRIPPING UNIT | | C | | C | | C | | | | C | | C | | C | | C | | C | |
| | Ir [A] | tr [s] | 10 | | 10 | | 10 | | | | 16 | | 16 | | 16 | | 16 | | 16 | |
| | Isd [A] | tsd [s] | 100 | | 100 | | 100 | | | | 160 | | 160 | | 160 | | 160 | | 160 | |
| | Ii [xIn] | | | | | | | | | | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | | | | | RCD | AC | | | | | | | | | | |
| | Idn [A] | tdn [ms] | | | | | | | 0,03 | Instantaneous | | | | | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | | | | | | | | | | |
| IMPULSE RELAY | COIL | N. POLES In [A] | | | | | | | | | | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE | 31 - E | | | | | | | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E | XLPE | 31 - E |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x1,5 | 1x1,5 1x1,5 | | | | | | | 1x4 | 1x4 1x4 | 1x4 | 1x4 1x4 | 1x4 | 1x4 1x4 | 1x4 | 1x4 1x4 | 1x4 | 1x4 1x4 |
| | Ib [A] | Iz [A] | 3,8 | 26 | | | | | | | 4,8 | 49 | 4,8 | 49 | 4,8 | 49 | 4,8 | 49 | 4,8 | 49 |
| | Un [V] | Pn [kW] | 230 | 0,8 | | | | | | 6 | 230 | 1 | 230 | 1 | 230 | 1 | 230 | 1 | 230 | 1 |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 0,3 | 0,7 | | | | | | | 0,6 | 1,3 | 0,4 | 1 | 0,4 | 0,9 | 0,4 | 0,8 | 0,4 | 0,8 |
| | LENGTH [m] | dV TOTAL [%] | 10 | 1,1 | | | | | | | 10 | 0,8 | 18 | 1 | 20 | 1,1 | 22 | 1,1 | 22 | 1,1 |
| NOTES | | | | | | | | | | | | | | | | | | | | |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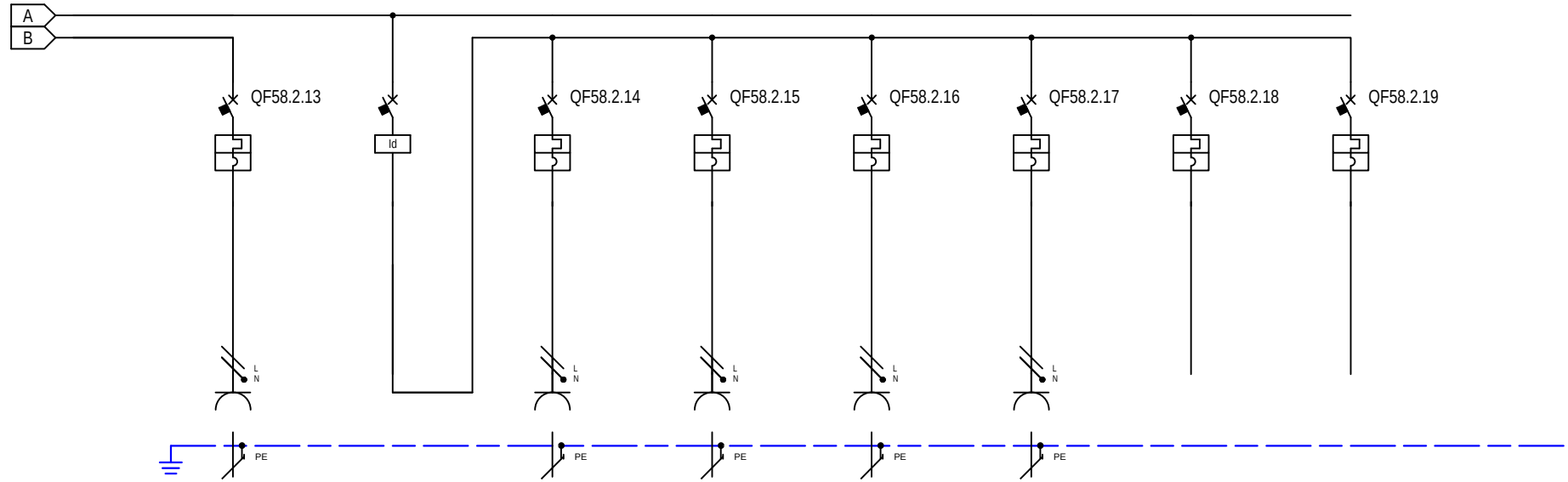
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri, _[Q58]_[P.E.SH.Res&Me-K.+0].dwg |
|---|---|---|---|---|---|
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 4 |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | DRAWING | |
| | | | | REVISION | 00 |
| | | | | NEXT | |

| REF. SWITCHBOARD | [P.E.SH.Res&Me-K.+0] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|




| TERMINALS NUMBERING | | | WC58.2.13 | | | WC58.2.14 | WC58.2.15 | WC58.2.16 | WC58.2.17 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CIRCUIT NUMBERING | | DISTRIBUTION | 18 L2NPE | | 19 L1L2L3N | 20 L2NPE | 21 L1NPE | 22 L3NPE | 23 L1NPE | 24 L1NPE | 25 L3NPE |
| CIRCUIT DESCRIPTION | | | Linja L.23-Priza Kuzhina Kati +0 | | Salvavide Grupi 02 Priza | Linja L.07-Priza Priza Sherbimi Mensa K.+0 | Linja L.08-Priza Priza Banak Mensa K.+0 | Linja L.09-Priza Priza Banak Mensa K.+0 | Linja L.10-Priza Priza Magazina Mensa K.+0 | Linja L.12-Priza WC+Depo B.016+B.017+B.08 | Linja L.13-Priza Rezerve 02 |
| EQUIPMENT | | | iC40 N | | iID (4P) | iC40 a | iC40 a | iC40 a | iC40 a | iC40 a | iC40 a |
| CIRCUIT BREAKER | Icu [kA] / Icn [A] | | 10 | | | 6 | 6 | 6 | 6 | 6 | 6 |
| | N. POLES | In [A] | 1P+N | 16 | 40 | 1P+N 16 | 1P+N 16 | 1P+N 16 | 1P+N 16 | 1P+N 16 | 1P+N 16 |
| | CURVE/TRIPPING UNIT | | C | | | C | C | C | C | C | C |
| | Ir [A] | tr [s] | 16 | | | 16 | 16 | 16 | 16 | 16 | 16 |
| | Isd [A] | tsd [s] | 160 | | | 160 | 160 | 160 | 160 | 160 | 160 |
| | Ii [xIn] | | | | | | | | | | |
| | Ig [A] | tg [s] | | | | | | | | | |
| RESIDUAL CURRENT DEVICE | TYPE | CLASS | | | RCD AC | | | | | | |
| | Idn [A] | tdn [ms] | | | 0,03 Instantaneous | | | | | | |
| CONTACTOR | TYPE | CLASS | | | | | | | | | |
| IMPULSE RELAY | COIL N. POLES | In [A] | | | | | | | | | |
| THERMAL RELAY | TYPE | Irth [A] | | | | | | | | | |
| FUSE | N. POLES | In [A] | | | | | | | | | |
| OTHER | TYPE | MODEL | | | | | | | | | |
| CONDUCTORS | INSULATION | INST.METHOD | XLPE | 31 - E | | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | XLPE 31 - E | | |
| | CROSS SECTION PHASE-N-PE/PEN [mmq] | | 1x4 | 1x4 1x4 | | 1x2,5 1x2,5 1x2,5 | 1x2,5 1x2,5 1x2,5 | 1x2,5 1x2,5 1x2,5 | 1x2,5 1x2,5 1x2,5 | | |
| | Ib [A] | Iz [A] | 4,8 | 49 | | 7,2 36 | 7,2 36 | 7,2 36 | 2,4 36 | | |
| | Un [V] | Pn [kW] | 230 | 1 | 5 | 230 1,5 | 230 1,5 | 230 1,5 | 230 0,5 | | |
| BOTTOM OF THE LINE | Icc min [kA] | Icc max [kA] | 0,4 | 0,8 | | 0,4 1 | 0,4 1 | 0,4 1 | 0,4 1 | | |
| | LENGTH [m] | dV TOTAL [%] | 22 | 1,1 | | 10 1,2 | 10 1,2 | 10 1,2 | 10 0,8 | | |
| NOTES | | | | | | | | | | | |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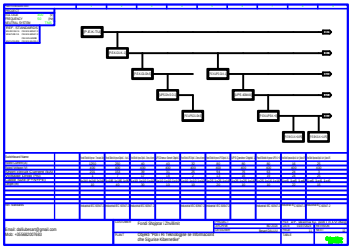
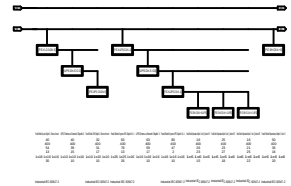
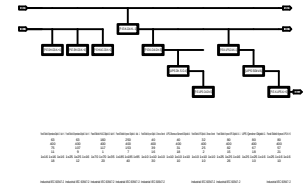
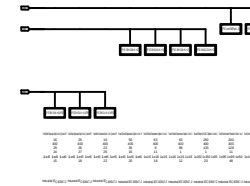
| CUSTOMER | Fondi Shqiptar i Zhvillimit | PROJECT | Skemat TU_Poli i Ri i TISK | FILE | e7. skema tu, poli i ri, _[Q58]_[P.E.SH.Res&Me-K.+0].dwg |
|---|---|---|---|---|---|
| | | ARCHIVE | BD-2024 | DATE | 01/07/2024 |
| | | DESIGNER | Besart DALLIU | PAGE | 5 |
| PLANT | Objekti "Poli i Ri Teknologjise se Informacionit dhe Sigurise Kibernetike" | | | DRAWING | |
| | | | | REVISION | 00 |
| | | | | NEXT | |

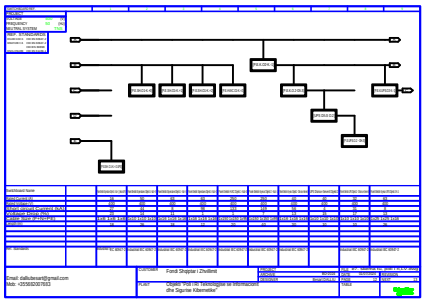
Schneider Electric

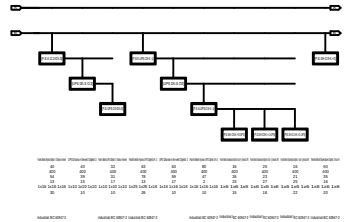


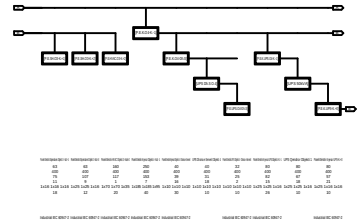


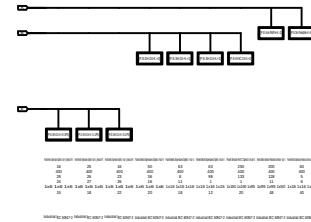


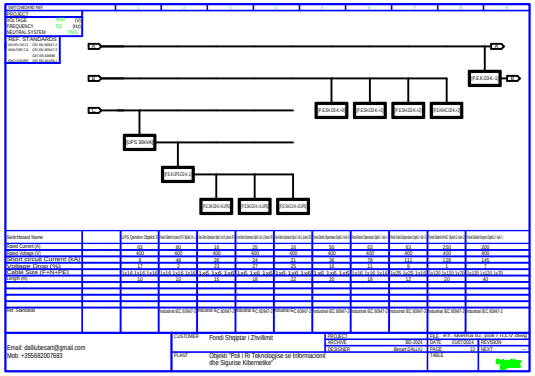


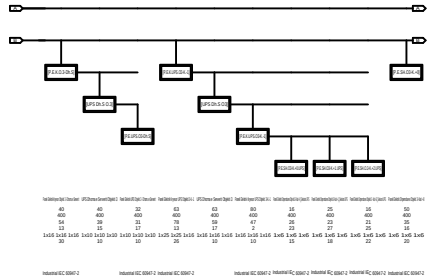


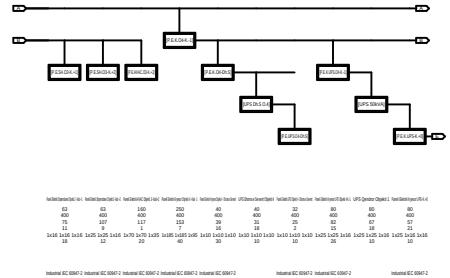


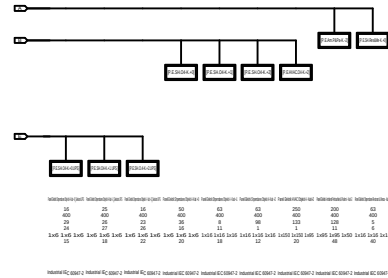




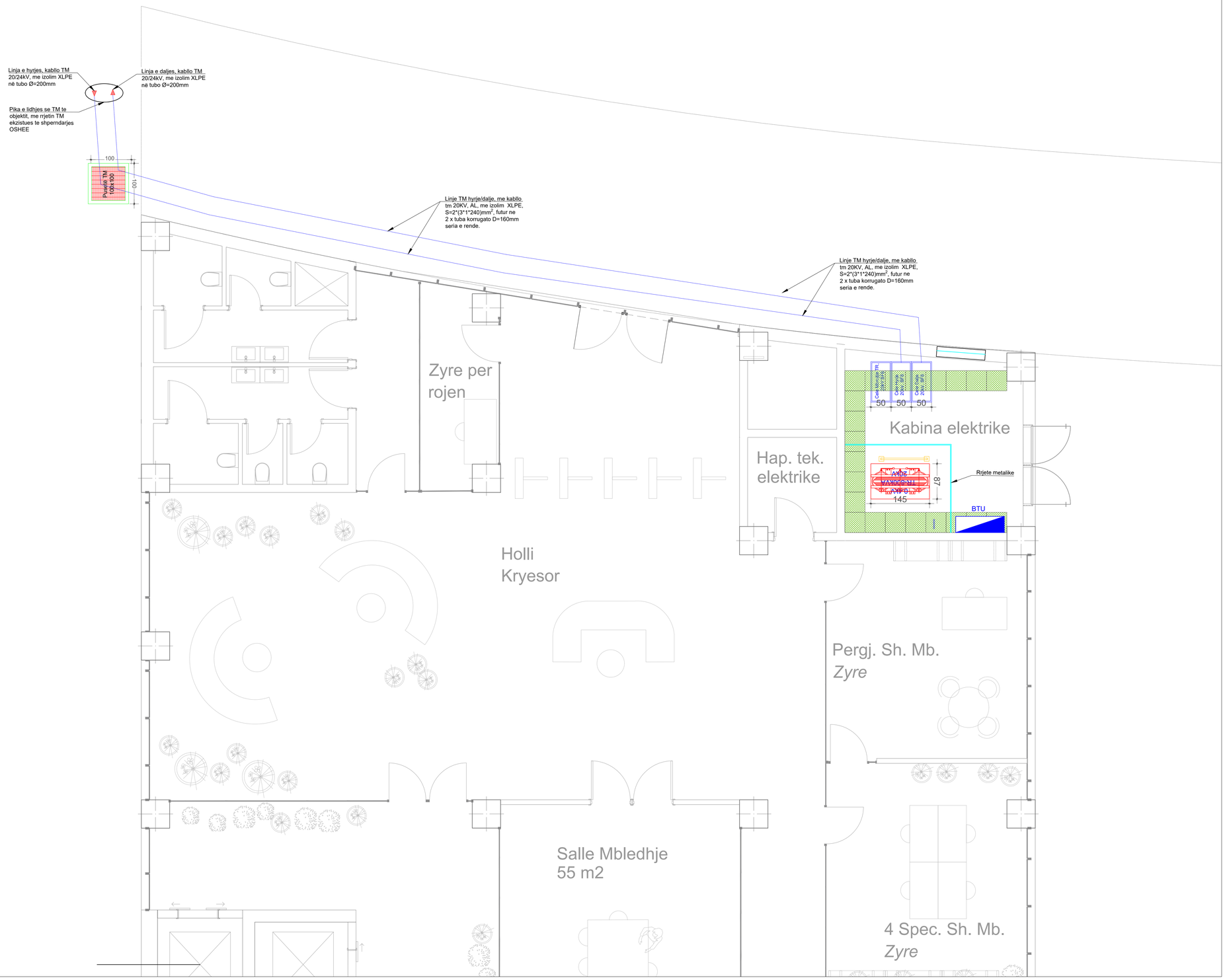

UPS 30KVA
UPS 30KVA
UPS 30KVA


UPS Ch-3-01
UPS Ch-3-02
UPS 30KVA


UPS Ch-4-01
UPS Ch-4-02
UPS 30KVA


UPS 30KVA

# PLANVENDOSJA E KABINES ELEKTRIKE TM-TU




Legenda:

Notes:

1. Per furnizimin me energji elektrike te objektit ne teresi do te sherbeje kabina elektrike e cila eshte menduar te ndertohet ne kuoten 0.00 sipas paraqitjes ne projekt.
2. Kabina elektrike do te jete me izolacion 20/0.4 kV dhe eshte ideuar sipas kushteve dhe standarteve te vendit tone.
3. Kabina elektrike permban setin me çela me gaz SF6 ( 2 L + 1 Tr), Transformatorin e fuqise Sn=800 kVA dhe Panelin TU.
4. Furnizimi i kabines elektrike me rrjet 20kV do te realizohet ne rrjetin e Operatorit te Shperndarjes se Energjise pasi te merren lejet dhe miratimet perkatese.
5. Pika me afert per tu furnizuar si kabine elektrike me linje elektrike TM 20 kV eshte afer autostrades ku dhe kalon nje linje ekzistuese 20 kV ose mundesia tjeter te lidhet te linja qe furnizon kabinen Akademia e Rendit qe eshte brenda territorit te Akademise se Policise.
6. Per te realizuar lidhjen me rrjetin ekzistues duhet te behen xhuntim i linjes ekzistuese qe te realizohet skema klasike Hyrje - Dalje per kabinen elektrike.
7. Tokezimi i kabines elektrike eshte bere i vecante nga tokezimi i punes se objektit ne teresi.
8. Te zbatohen me rigorozitet kushtet e sigurimit teknik gjate zbatimit .

## Poli i Ri i Teknologjisë së Informacionit dhe Sigurisë Kibernetike

Objekti: Leje Ndertimi
Zona Kadastrale: zk: 3266

**Klienti:** FONDI SHQIPTAR I ZHVILLIMIT

| | | |
|---|---|---|
| iRI<br>Local Architecture Office<br>Studio Lokale Arkitekture<br>Gent Agolli | N.6844 | Firma:<br>Lexoj dhe aprovoj |
| **ARCHISPACE**<br>Local Architecture Office<br>Studio Lokale Arkitekture<br>Rais Petrela | N.6732/14 | Firma:<br>Lexoj dhe aprovoj |
| **CONSULTING & MANAGEMENT ALBANIA**<br>Local Architecture Office<br>Studio Lokale Arkitekture<br>Ervis Myftari | N.6409/7 | Firma:<br>Lexoj dhe aprovoj |
| d&C partners<br>Studio Konstruksioni | N.4497/7 | Firma:<br>Lexoj dhe aprovoj |
| **MEKA-PRO SHPK**<br>Inxhinieri Hidro-Mekanik dhe MNZ<br>Ing. Marsel Pylla | N.7013/1 | Firma:<br>Lexoj dhe aprovoj |
| **Besart Dalliu**<br>**Endrit Hoxhaj**<br>Inxhinieri Elektrik | E-1412/2<br>E-1923/1 | Firma:<br>Lexoj dhe aprovoj |


ALL DIMENSIONS HAVE TO BE VERIFIED BY THE CONTRACTOR ON TE CONSTRUCTION SITE

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TË GJITHA DIMENSIONET DUHET TË VERIFIKOHEN NGA KONTRAKTORI NË VEND

E RËNDËSISHME: Këto vizatime janë pronë e iRI, Rruga DERVISH HIMA, nr 8 kati i parë – 1001 TIRANË. Kopjimi, shumëfishimi apo shpërndarja e këtyre vizatimeve (apo pjesëve të tyre) pa lejen me shkrim të iRI është e ndaluar.


| issuer | plan number: | |
|---|---|---|
| **E** | E.08-01 | Emertimi i fletës<br>**PROJEKTI ELEKTRIK, KABINA ELEKTRIKE TM/TU**<br>**PLANVENDSOJA, PLANI I KATIT PERDHE 0.00** |

| Faza: | data: | shkalla e vizatimit: | formati: |
|---|---|---|---|
| LN | 2024 | 1:50 | A1 |

N

# PLANVENDOSJA E PAISJEVE DHE KABLLIMET PER KABINEN ELEKTRIKE

Legenda:

Notes:

1. Per furnizimin me energji elektrike te objektit ne teresi do te sherbeje kabina elektrike e cila eshte menduar te ndertohet ne kuoten 0.00 sipas paraqitjes ne projekt.
2. Kabina elektrike do te jete me izolacion 20/0.4 kV dhe eshte ideuar sipas kushteve dhe standarteve te vendit tone.
3. Kabina elektrike permban setin me çela me gaz SF6 ( 2 L + 1 Tr), Transformatorin e fuqise Sn=800 kVA dhe Panelin TU.
4. Furnizimi i kabines elektrike me rrjet 20kV do te realizohet ne rrjetin e Operatorit te Shperndarjes se Energjise pasi te merren lejet dhe miratimet perkatese.
5. Pika me afert per tu furnizuar si kabine elektrike me linje elektrike TM 20 kV eshte afer autostrades ku dhe kalon nje linje ekzistuese 20 kV ose mundesia tjeter te lidhet te linja qe furnizon kabinen Akademia e Rendit qe eshte brenda territorit te Akademise se Policise.
6. Per te realizuar lidhjen me rrjetin ekzistues duhet te behen xhuntim i linjes ekzistuese qe te realizohet skema klasike Hyrje - Dalje per kabinen elektrike.
7. Tokezimi i kabines elektrike eshte bere i vecante nga tokezimi i punes se objektit ne teresi.
8. Te zbatohen me rigorozitet kushtet e sigurimit teknik gjate zbatimit .

## Poli i Ri i Teknologjisë së Informacionit dhe Sigurisë Kibernetike

Objekti: Leje Ndertimi
Zona Kadastrale: zk: 3266

**Klienti:** FONDI SHQIPTAR I ZHVILLIMIT

| | | |
|---|---|---|
| iRI<br>Local Architecture Office (LOC)<br>Studio Lokale Arkitekture (VEND)<br>Gent Agolli | N.6844 | Firma:<br>Lexoj dhe aprovoj |
| **ARCHISPACE**<br>Local Architecture Office (LOC)<br>Studio Lokale Arkitekture (VEND)<br>Rais Petrela | N.6732/14 | Firma:<br>Lexoj dhe aprovoj |
| **CONSULTING & MANAGEMENT ALBANIA**<br>Local Architecture Office (LOC)<br>Studio Lokale Arkitekture (VEND)<br>Ervis Myftari | N.6409/7 | Firma:<br>Lexoj dhe aprovoj |
| d&C partners design & consulting engineers<br>Studio Konstruksioni | N.4497/7 | Firma:<br>Lexoj dhe aprovoj |
| **MEKA-PRO SHPK**<br>Inxhinieri Hidro-Mekanik dhe MNZ<br>Ing. Marsel Pylla | N.7013/1 | Firma:<br>**Lexoj dhe aprovoj** |
| **Besart Dalliu**<br>**Endrit Hoxhaj**<br>Inxhinieri Elektrik | E-1412/2<br>E-1923/1 | Firma:<br>**Lexoj dhe aprovoj** |


ALL DIMENSIONS HAVE TO BE VERIFIED BY THE CONTRACTOR ON TE CONSTRUCTION SITE

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TË GJITHA DIMENSIONET DUHET TË VERIFIKOHEN NGA KONTRAKTORI NË VEND

E RËNDËSISHME: Këto vizatime janë pronë e iRI, Rruga DERVISH HIMA, nr 8 kati i parë – 1001 TIRANË. Kopjimi, shumëfishimi apo shpërndarja e këtyre vizatimeve (apo pjesëve të tyre) pa lejen me shkrim të iRI është e ndaluar.


| issuer | plan number: | Emertimi i fletës |
|---|---|---|
| **E** | E.08-02 | **PROJEKTI ELEKTRIK, PLANVENDOSJA E PAISJEVE DHE KABLLIMET PER KABINEN ELEKTRIKE** |

| Faza: | data: | shkalla e vizatimit: | formati: |
|---|---|---|---|
| LN | 2024 | 1:50 | A1 |

N

# SISTEMI I TOKEZIMIT TE KABINES ELEKTRIKE

Legenda:

| Simboli | Përshkrimi |
|---|---|
| | Paneli Elektrik Kryesor - Tensioni Ulët |
| | Shirit tokëzimi bakri, tip lame 30x3mm |
| | Përcjellës bakri i zhveshur S=1x70mm$^2$ |
| | Përcjellës një polar bakri me izolim PVC verdhë- jeshil S=(1x120)mm$^2$ |
| | Morsetë bashkuese tokëzimi |
| | Pikë lidhjeje tokëzimi |
| | Shpërndarëse ekuipotenciale tokëzimi pllakë bakri (435 x 40 x 5) mm |
| | Elektrode tokezimi L=2.0m |

Notes:

1. Per furnizimin me energji elektrike te objektit ne teresi do te sherbeje kabina elektrike e cila eshte menduar te ndertohet ne kuoten 0.00 sipas paraqitjes ne projekt.
2. Kabina elektrike do te jete me izolacion 20/0.4 kV dhe eshte ideuar sipas kushteve dhe standarteve te vendit tone.
3. Kabina elektrike permban setin me çela me gaz SF6 ( 2 L + 1 Tr), Transformatorin e fuqise Sn=800 kVA dhe Panelin TU.
4. Furnizimi i kabines elektrike me rrjet 20kV do te realizohet ne rrjetin e Operatorit te Shperndarjes se Energjise pasi te merren lejet dhe miratimet perkatese.
5. Pika me afert per tu furnizuar si kabine elektrike me linje elektrike TM 20 kV eshte afer autostrades ku dhe kalon nje linje ekzistuese 20 kV ose mundesia tjeter te lidhet te linja qe furnizon kabinen Akademia e Rendit qe eshte brenda territorit te Akademise se Policise.
6. Per te realizuar lidhjen me rrjetin ekzistues duhet te behen xhuntim i linjes ekzistuese qe te realizohet skema klasike Hyrje - Dalje per kabinen elektrike.
7. Tokezimi i kabines elektrike eshte bere i vecante nga tokezimi i punes se objektit ne teresi.
8. Te zbatohen me rigorozitet kushtet e sigurimit teknik gjate zbatimit .

# Poli i Ri i Teknologjisë së Informacionit dhe Sigurisë Kibernetike

Objekti: Leje Ndertimi
Zona Kadastrale: zk: 3266

**Klienti:** FONDI SHQIPTAR I ZHVILLIMIT

| | | |
|---|---|---|
| iRI<br>Local Architecture Office Studio Lokale Arkitekture<br>Gent Agolli | N.6844 | Firma:<br>Lexoj dhe aprovoj |
| **ARCHISPACE**<br>Local Architecture Office Studio Lokale Arkitekture<br>Rais Petrela | N.6732/14 | Firma:<br>Lexoj dhe aprovoj |
| **CONSULTING & MANAGEMENT ALBANIA**<br>Local Architecture Office Studio Lokale Arkitekture<br>Ervis Myftari | N.6409/7 | Firma:<br>Lexoj dhe aprovoj |
| d&C partners design & consulting engineers<br>Studio Konstruksioni | N.4497/7 | Firma:<br>Lexoj dhe aprovoj |
| **MEKA-PRO SHPK**<br>Inxhinieri Hidro-Mekanik dhe MNZ<br>Ing. Marsel Pylla | N.7013/1 | Firma:<br>Lexoj dhe aprovoj |
| **Besart Dalliu**<br>**Endrit Hoxhaj**<br>Inxhinieri Elektrik | E-1412/2<br>E-1923/1 | Firma:<br>Lexoj dhe aprovoj |

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TË GJITHA DIMENSIONET DUHET TË VERIFIKOHEN NGA KONTRAKTORI NË VEND

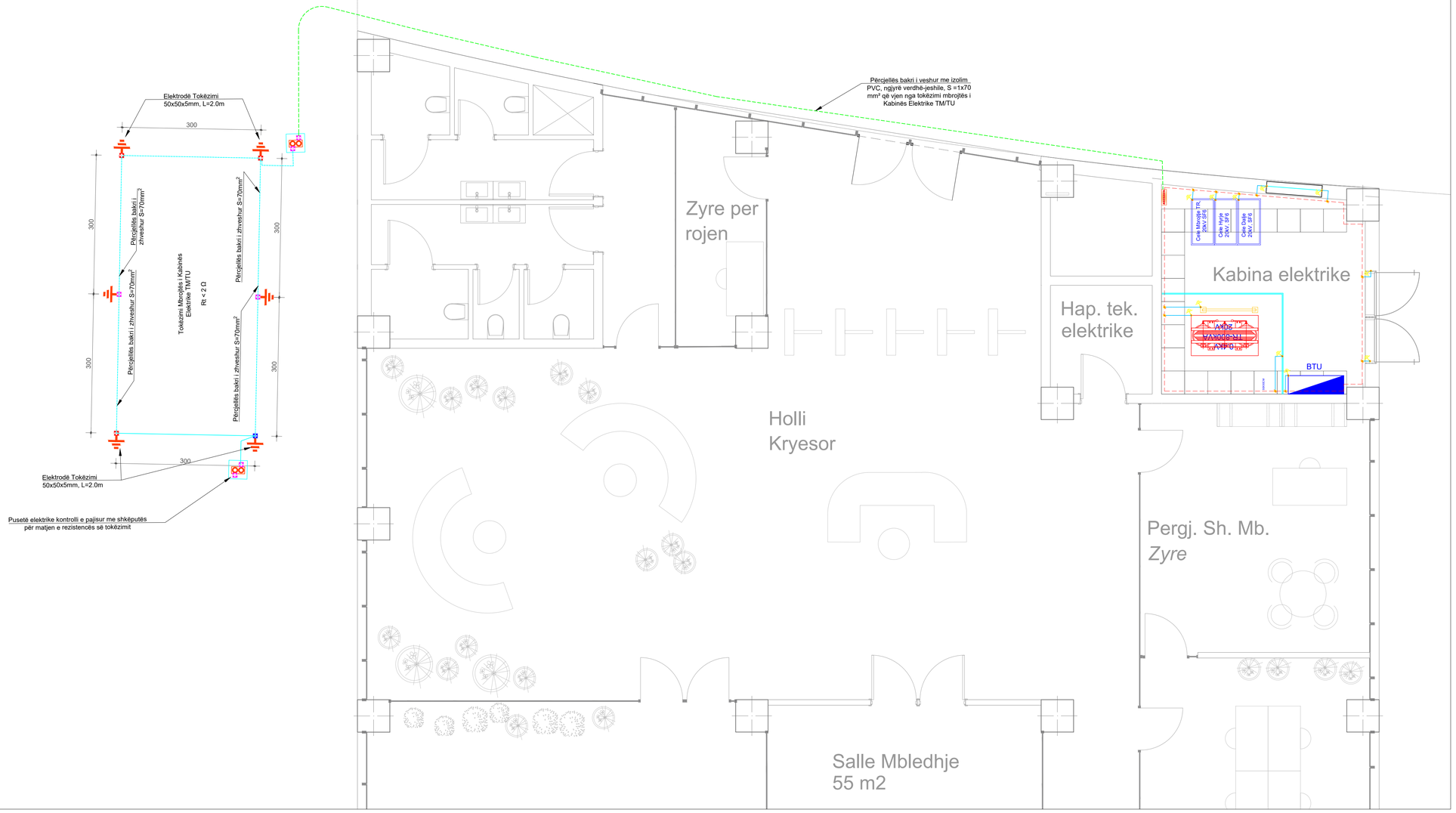
E RËNDËSISHME: Këto vizatime janë pronë e iRI, Rruga DERVISH HIMA, nr 8 kati i parë – 1001 TIRANË. Kopjimi, shumëfishimi apo shpërndarja e këtyre vizatimeve (apo pjesëve të tyre) pa lejen me shkrim të iRI është e ndaluar.

| issuer | plan number: | Emertimi i fletës |
|---|---|---|
| **E** | E.08-03 | **PROJEKTI ELEKTRIK, SISTEMI I TOKEZIMIT TE KABINES ELEKTRIKE** |

| Faza: | data: | shkalla e vizatimit: | formati: |
|---|---|---|---|
| LN | 2024 | 1:50 | A1 |

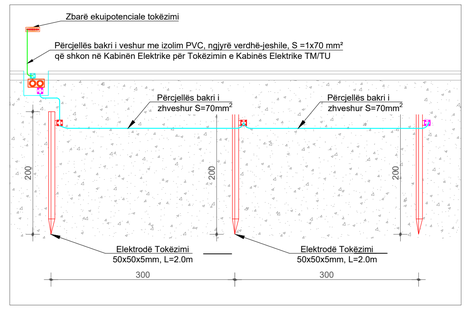
N

# IMPIANTI I TOKEZIMIT TE KABINES ELEKTRIKE




Legenda:

DETAJI I INSTALIMIT TE ELEKTRODAVE TE TOKEZIMIT




Notes:

1. Per furnizimin me energji elektrike te objektit ne teresi do te sherbeje kabina elektrike e cila eshte menduar te ndertohet ne kuoten 0.00 sipas paraqitjes ne projekt.
2. Kabina elektrike do te jete me izolacion 20/0.4 kV dhe eshte ideuar sipas kushteve dhe standarteve te vendit tone.
3. Kabina elektrike permban setin me çela me gaz SF6 ( 2 L + 1 Tr), Transformatorin e fuqise Sn=800 kVA dhe Panelin TU.
4. Furnizimi i kabines elektrike me rrjet 20kV do te realizohet ne rrjetin e Operatorit te Shperndarjes se Energjise pasi te merren lejet dhe miratimet perkatese.
5. Pika me afert per tu furnizuar si kabine elektrike me linje elektrike TM 20 kV eshte afer autostrades ku dhe kalon nje linje ekzistuese 20 kV ose mundesia tjeter te lidhet te linja qe furnizon kabinen Akademia e Rendit qe eshte brenda territorit te Akademise se Policise.
6. Per te realizuar lidhjen me rrjetin ekzistues duhet te behen xhuntim i linjes ekzistuese qe te realizohet skema klasike Hyrje - Dalje per kabinen elektrike.
7. Tokezimi i kabines elektrike eshte bere i vecante nga tokezimi i punes se objektit ne teresi.
8. Te zbatohen me rigorozitet kushtet e sigurimit teknik gjate zbatimit .

# Poli i Ri i Teknologjisë së Informacionit dhe Sigurisë Kibernetike

Objekti: Leje Ndertimi
Zona Kadastrale: zk: 3266

**Klienti:** FONDI SHQIPTAR I ZHVILLIMIT

| | | |
|---|---|---|
| iRI<br>Local Architecture Office<br>Studio Lokale Arkitekture<br>Gent Agolli | N.6844 | Firma:<br>Lexoj dhe aprovoj |
| **ARCHISPACE**<br>Local Architecture Office<br>Studio Lokale Arkitekture<br>Rais Petrela | N.6732/14 | Firma:<br>Lexoj dhe aprovoj |
| **CONSULTING & MANAGEMENT ALBANIA**<br>Local Architecture Office<br>Studio Lokale Arkitekture<br>Ervis Myftari | N.6409/7 | Firma:<br>Lexoj dhe aprovoj |
| d&C partners design, & consulting engineers<br>Studio Konstruksioni | N.4497/7 | Firma:<br>Lexoj dhe aprovoj |
| **MEKA-PRO SHPK**<br>Inxhinieri Hidro-Mekanik dhe MNZ<br>Ing. Marsel Pylla | N.7013/1 | Firma:<br>Lexoj dhe aprovoj |
| **Besart Dalliu**<br>**Endrit Hoxhaj**<br>Inxhinieri Elektrik | E-1412/2<br>E-1923/1 | Firma:<br>Lexoj dhe aprovoj |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| issuer | plan number: | Emertimi i fletës |
|---|---|---|
| **E** | E.08-04 | **PROJEKTI ELEKTRIK, IMPIANTI I TOKEZIMIT TE KABINES ELEKTRIKE** |

| Faza: | data: | shkalla e vizatimit: | formati: |
|---|---|---|---|
| LN | 2024 | 1:50 | A1 |

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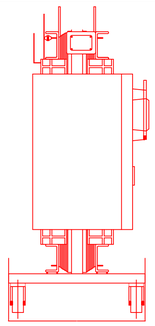
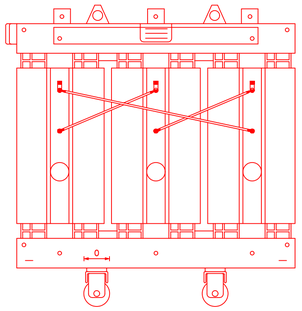
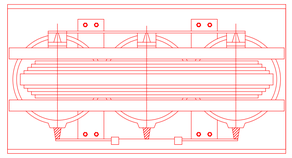
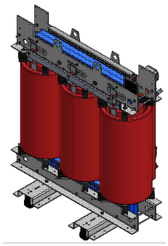
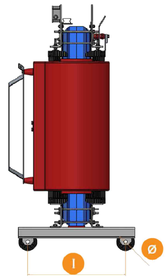
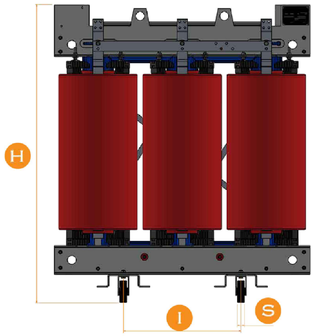
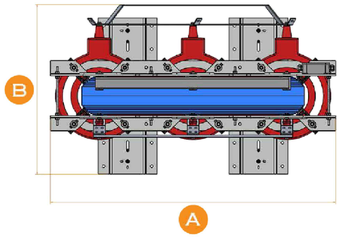
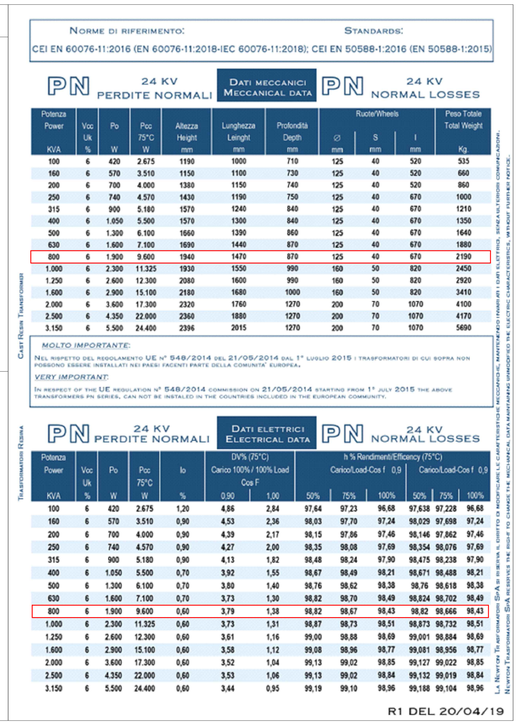
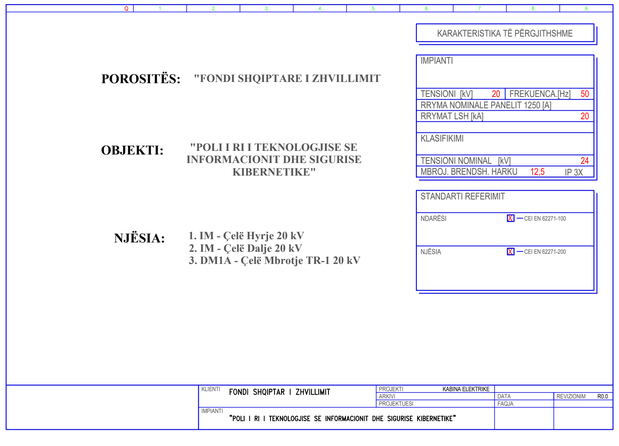
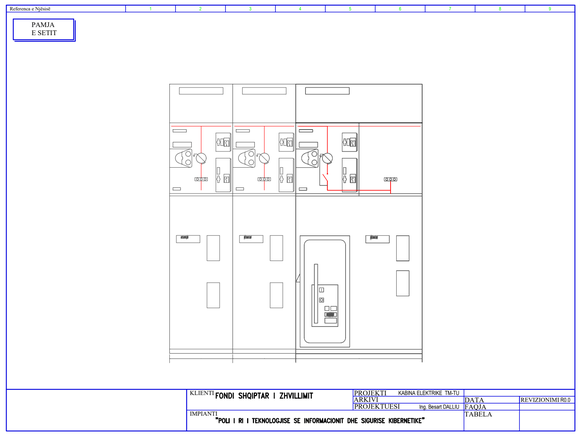
# DETAJE DHE PAMJE TË TRANSFORMATORIT TË FUQISË

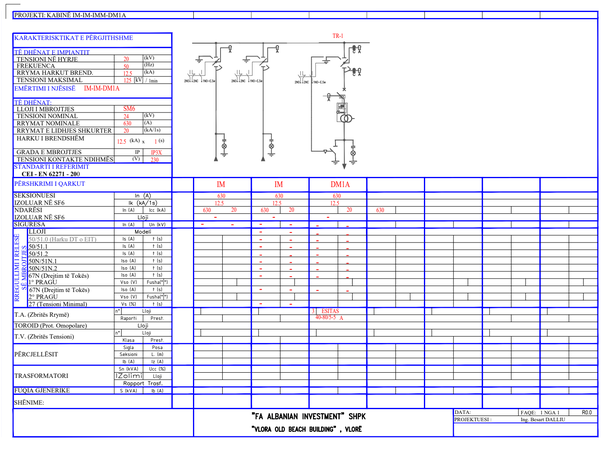
| PAMJE TËRTHORE TRANSFORMATORIT | PAMJA GJATËSORE E TRANSFORMATORIT | PAMJE NË PLAN E TRANSFORMATORIT | PAMJE 3D E TRANSFORMATORIT |
|---|---|---|---|
|  |  |  |  |
|  |  |  | |




# SKEMA ELEKTRIKE E TENSIONIT TË MESËM TË KABINËS ELEKTRIKE




Legenda:

Notes:

1. Per furnizimin me energji elektrike te objektit ne teresi do te sherbeje kabina elektrike e cila eshte menduar te ndertohet ne kuoten 0.00 sipas paraqitjes ne projekt.
2. Kabina elektrike do te jete me izolacion 20/0.4 kV dhe eshte ideuar sipas kushteve dhe standarteve te vendit tone.
3. Kabina elektrike permban setin me çela me gaz SF6 ( 2 L + 1 Tr), Transformatorin e fuqise Sn=800 kVA dhe Panelin TU.
4. Furnizimi i kabines elektrike me rrjet 20kV do te realizohet ne rrjetin e Operatorit te Shperndarjes se Energjise pasi te merren lejet dhe miratimet perkatese.
5. Pika me afert per tu furnizuar si kabine elektrike me linje elektrike TM 20 kV eshte afer autostrades ku dhe kalon nje linje ekzistuese 20 kV ose mundesia tjeter te lidhet te linja qe furnizon kabinen Akademia e Rendit qe eshte brenda territorit te Akademise se Policise.
6. Per te realizuar lidhjen me rrjetin ekzistues duhet te behen xhuntim i linjes ekzistuese qe te realizohet skema klasike Hyrje - Dalje per kabinen elektrike.
7. Tokezimi i kabines elektrike eshte bere i vecante nga tokezimi i punes se objektit ne teresi.
8. Te zbatohen me rigorozitet kushtet e sigurimit teknik gjate zbatimit .

Poli i Ri i Teknologjisë së Informacionit dhe Sigurisë Kibernetike

Objekti: Leje Ndertimi
Zona Kadastrale: zk: 3266

**Klienti:** FONDI SHQIPTAR I ZHVILLIMIT

| | | |
|---|---|---|
| iRI<br>Local Architecture Office (LOC)<br>Studio Lokale Arkitekture (VEND)<br>Gent Agolli | N.6844 | Firma:<br>Lexoj dhe aprovoj |
| ARCHISPACE<br>Local Architecture Office (LOC)<br>Studio Lokale Arkitekture (VEND)<br>Rais Petrela | N.6732/14 | Firma:<br>Lexoj dhe aprovoj |
| CONSULTING & MANAGEMENT ALBANIA<br>Local Architecture Office (LOC)<br>Studio Lokale Arkitekture (VEND)<br>Ervis Myftari | N.6409/7 | Firma:<br>Lexoj dhe aprovoj |
| d&C partners design & consulting engineers<br>Studio Konstruksioni | N.4497/7 | Firma:<br>Lexoj dhe aprovoj |
| MEKA-PRO SHPK<br>Inxhinieri Hidro-Mekanik dhe MNZ<br>Ing. Marsel Pylla | N.7013/1 | Firma:<br>Lexoj dhe aprovoj |
| Besart Dalliu<br>Endrit Hoxhaj<br>Inxhinieri Elektrik | E-1412/2<br>E-1923/1 | Firma:<br>Lexoj dhe aprovoj |

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TË GJITHA DIMENSIONET DUHET TË VERIFIKOHEN NGA KONTRAKTORI NË VEND

E RËNDËSISHME: Këto vizatime janë pronë e iRI, Rruga DERVISH HIMA, nr 8 kati i parë – 1001 TIRANË. Kopjimi, shumëfishimi apo shpërndarja e këtyre vizatimeve (apo pjesëve të tyre) pa lejen me shkrim të iRI është e ndaluar.

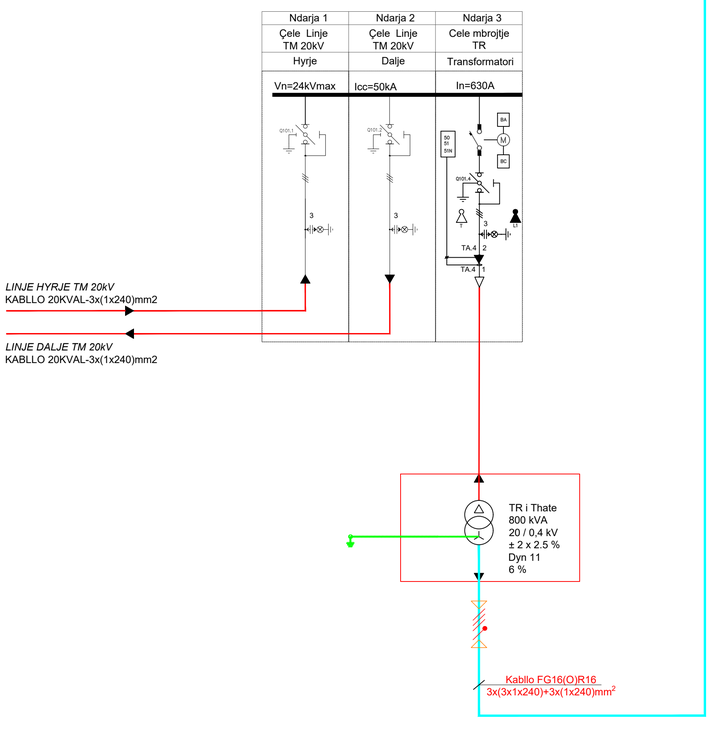
| issuer | plan number: | |
|---|---|---|
| E | E.08-05 | Emertimi i fletës<br>**PROJEKTI ELEKTRIK , KABINA ELEKTRIKE TM/TU**<br>**DETAJE, PAMJE TE TR-rit & SKEMA ELEKTRIKE E TM** |

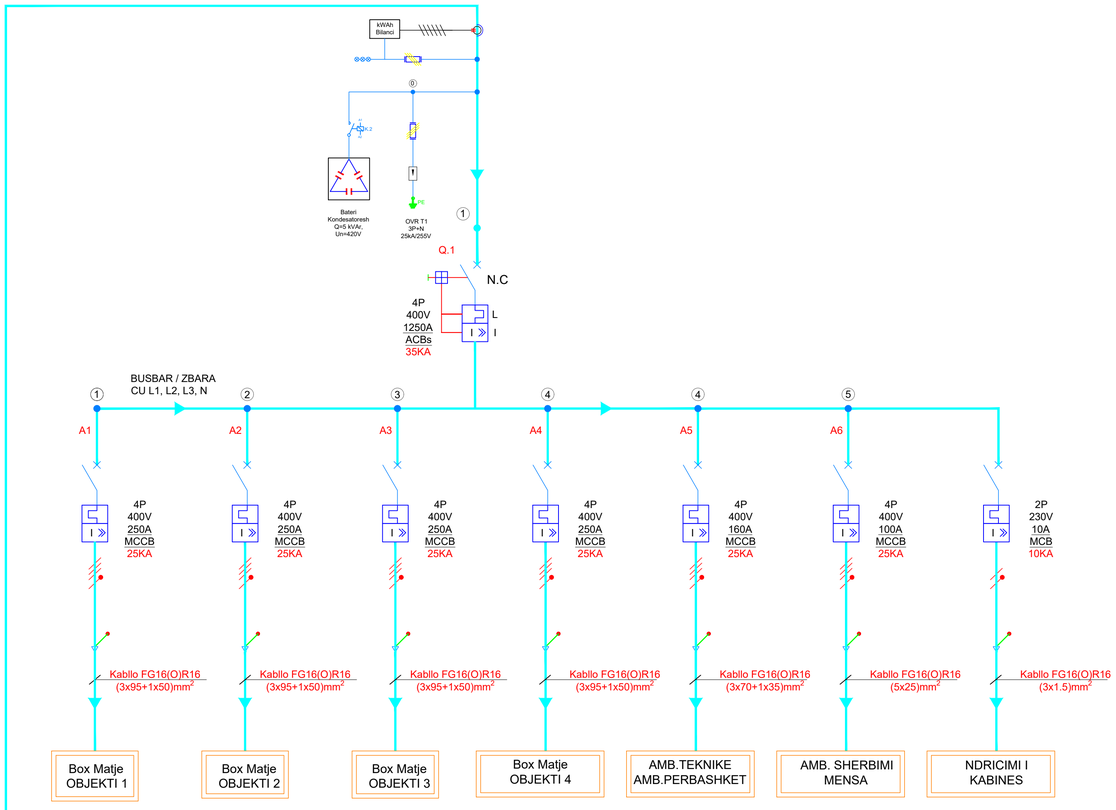
| Faza: | data: | shkalla e vizatimit: | formati: |
|---|---|---|---|
| LN | 2024 | 1:100 | A1 |

N

# SKEMA ELEKTRIKE TM - TU

SKEMA PRINCIPALE E FURNIZIMIT TE TENSIONIT TE MESEM




PANELI ELEKTRIK TENSIONIT TE ULET - TRANSFORMATORI
**(P.E.TU-TR.)**

Legenda:

Notes:

1. Per furnizimin me energji elektrike te objektit ne teresi do te sherbeje kabina elektrike e cila eshte menduar te ndertohet ne kuoten 0.00 sipas paraqitjes ne projekt.
2. Kabina elektrike do te jete me izolacion 20/0.4 kV dhe eshte ideuar sipas kushteve dhe standarteve te vendit tone.
3. Kabina elektrike permban setin me çela me gaz SF6 ( 2 L + 1 Tr), Transformatorin e fuqise Sn=800 kVA dhe Panelin TU.
4. Furnizimi i kabines elektrike me rrjet 20kV do te realizohet ne rrjetin e Operatorit te Shperndarjes se Energjise pasi te merren lejet dhe miratimet perkatese.
5. Pika me afert per tu furnizuar si kabine elektrike me linje elektrike TM 20 kV eshte afer autostrades ku dhe kalon nje linje ekzistuese 20 kV ose mundesia tjeter te lidhet te linja qe furnizon kabinen Akademia e Rendit qe eshte brenda territorit te Akademise se Policise.
6. Per te realizuar lidhjen me rrjetin ekzistues duhet te behen xhuntim i linjes ekzistuese qe te realizohet skema klasike Hyrje - Dalje per kabinen elektrike.
7. Tokezimi i kabines elektrike eshte bere i vecante nga tokezimi i punes se objektit ne teresi.
8. Te zbatohen me rigorozitet kushtet e sigurimit teknik gjate zbatimit .

# Poli i Ri i Teknologjisë së Informacionit dhe Sigurisë Kibernetike

Objekti: Leje Ndertimi
Zona Kadastrale: zk: 3266

**Klienti:** FONDI SHQIPTAR I ZHVILLIMIT

| | | |
|---|---|---|
| iRI<br>Local Architecture Office<br>Studio Lokale Arkitekture<br>Gent Agolli | N.6844 | Firma:<br>Lexoj dhe aprovoj |
| **ARCHISPACE**<br>Local Architecture Office<br>Studio Lokale Arkitekture<br>Rais Petrela | N.6732/14 | Firma:<br>Lexoj dhe aprovoj |
| **CONSULTING & MANAGEMENT ALBANIA**<br>Local Architecture Office<br>Studio Lokale Arkitekture<br>Ervis Myftari | N.6409/7 | Firma:<br>Lexoj dhe aprovoj |
| d&C partners<br>Studio Konstruksioni | N.4497/7 | Firma:<br>Lexoj dhe aprovoj |
| **MEKA-PRO SHPK**<br>Inxhinieri Hidro-Mekanik dhe MNZ<br>Ing. Marsel Pylla | N.7013/1 | Firma:<br>Lexoj dhe aprovoj |
| **Besart Dalliu**<br>**Endrit Hoxhaj**<br>Inxhinieri Elektrik | E-1412/2<br>E-1923/1 | Firma:<br>Lexoj dhe aprovoj |

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E RËNDËSISHME: Këto vizatime janë pronë e iRI, Rruga DERVISH HIMA, nr 8 kati i parë – 1001 TIRANË. Kopjimi, shumëfishimi apo shpërndarja e këtyre vizatimeve (apo pjesëve të tyre) pa lejen me shkrim të iRI është e ndaluar.

| issuer | plan number: | Emertimi i fletës |
|---|---|---|
| **E** | E.08-06 | **PROJEKTI ELEKTRIK , KABINA ELEKTRIKE TM/TU**<br>**SKEMA SINGLE LINE TM-TU** |

| Faza: | data: | shkalla e vizatimit: | formati: |
|---|---|---|---|
| LN | 2024 | 1:100 | A1 |

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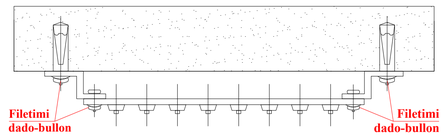
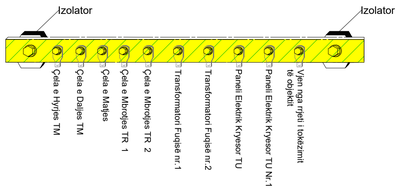
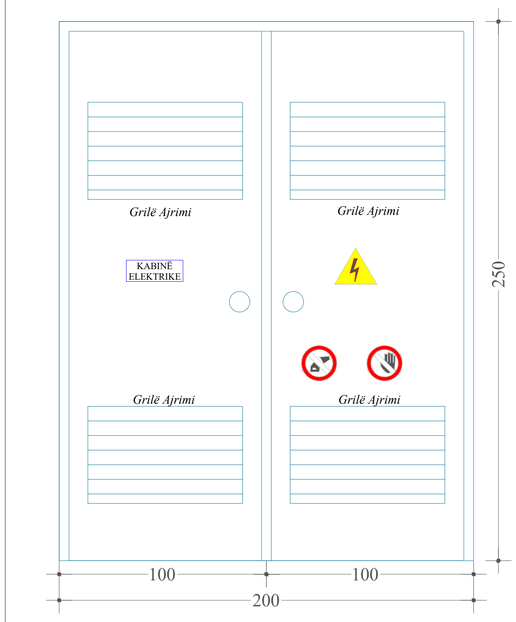
# DETAJE TEKNIKE INSTALIMI TE KABINES ELEKTRIKE

### DETAJI I ZBARES EKUIPOTENCIALE TE TOKEZIMIT

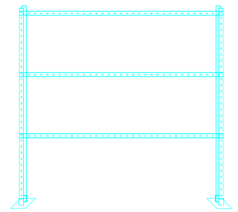


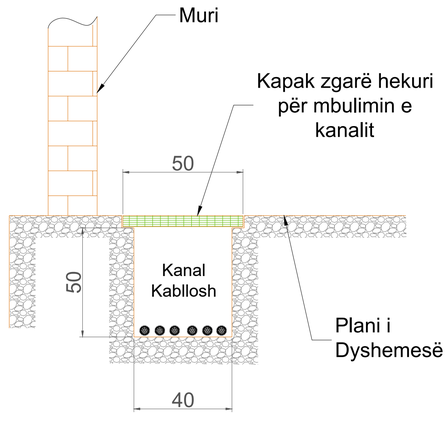

### PAMJA E DYERVE TË KABINËS ELEKTRIKE TM/TU 20/04kV



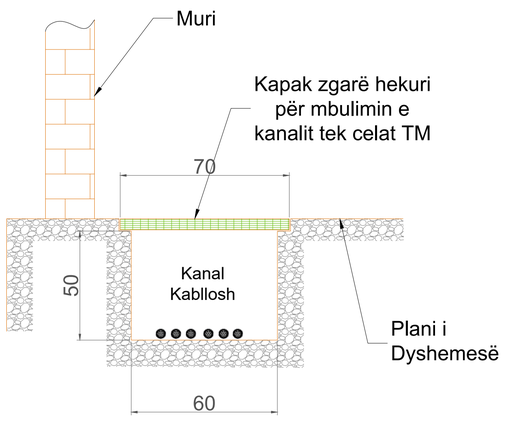

### STRUKTURA METALIKE MBAJTESE E KABLLOVE



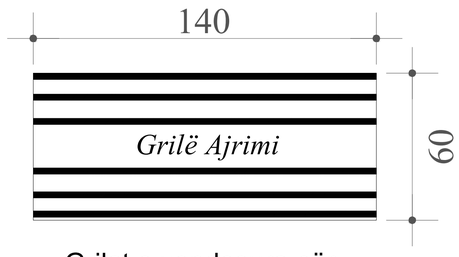
### DETAJI I KANALIT TE KABLLOVE TIPI 1




### DETAJI I KANALIT TE KABLLOVE TIPI 2




### DETAJI I GRILES SE AJRIMIT TE KABINES ELEKTRIKE




Grilat e vendosura për furnizimin e kabinës elektrike me ajër të freskët

Legenda:

Notes:

1. Per furnizimin me energji elektrike te objektit ne teresi do te sherbeje kabina elektrike e cila eshte menduar te ndertohet ne kuoten 0.00 sipas paraqitjes ne projekt.
2. Kabina elektrike do te jete me izolacion 20/0.4 kV dhe eshte ideuar sipas kushteve dhe standarteve te vendit tone.
3. Kabina elektrike permban setin me çela me gaz SF6 ( 2 L + 1 Tr), Transformatorin e fuqise Sn=800 kVA dhe Panelin TU.
4. Furnizimi i kabines elektrike me rrjet 20kV do te realizohet ne rrjetin e Operatorit te Shperndarjes se Energjise pasi te merren lejet dhe miratimet perkatese.
5. Pika me afert per tu furnizuar si kabine elektrike me linje elektrike TM 20 kV eshte afer autostrades ku dhe kalon nje linje ekzistuese 20 kV ose mundesia tjeter te lidhet te linja qe furnizon kabinen Akademia e Rendit qe eshte brenda territorit te Akademise se Policise.
6. Per te realizuar lidhjen me rrjetin ekzistues duhet te behen xhuntim i linjes ekzistuese qe te realizohet skema klasike Hyrje - Dalje per kabinen elektrike.
7. Tokezimi i kabines elektrike eshte bere i vecante nga tokezimi i punes se objektit ne teresi.
8. Te zbatohen me rigorozitet kushtet e sigurimit teknik gjate zbatimit .

Poli i Ri i Teknologjisë së Informacionit dhe Sigurisë Kibernetike

Objekti: Leje Ndertimi
Zona Kadastrale: zk: 3266

**Klienti:** FONDI SHQIPTAR I ZHVILLIMIT

| | | |
|---|---|---|
| iRI<br>Local Architecture Office (LOC)<br>Studio Lokale Arkitekture (VEND)<br>Gent Agolli | N.6844 | Firma:<br>Lexoj dhe aprovoj |
| **ARCHISPACE**<br>Local Architecture Office (LOC)<br>Studio Lokale Arkitekture (VEND)<br>Rais Petrela | N.6732/14 | Firma:<br>Lexoj dhe aprovoj |
| **CONSULTING & MANAGEMENT ALBANIA**<br>Local Architecture Office (LOC)<br>Studio Lokale Arkitekture (VEND)<br>Ervis Myftari | N.6409/7 | Firma:<br>Lexoj dhe aprovoj |
| d&C partners<br>Studio Konstruksioni | N.4497/7 | Firma:<br>Lexoj dhe aprovoj |
| **MEKA-PRO SHPK**<br>Inxhinieri Hidro-Mekanik dhe MNZ<br>Ing. Marsel Pylla | N.7013/1 | Firma:<br>Lexoj dhe aprovoj |
| **Besart Dalliu**<br>**Endrit Hoxhaj**<br>Inxhinieri Elektrik | E-1412/2<br>E-1923/1 | Firma:<br>Lexoj dhe aprovoj |

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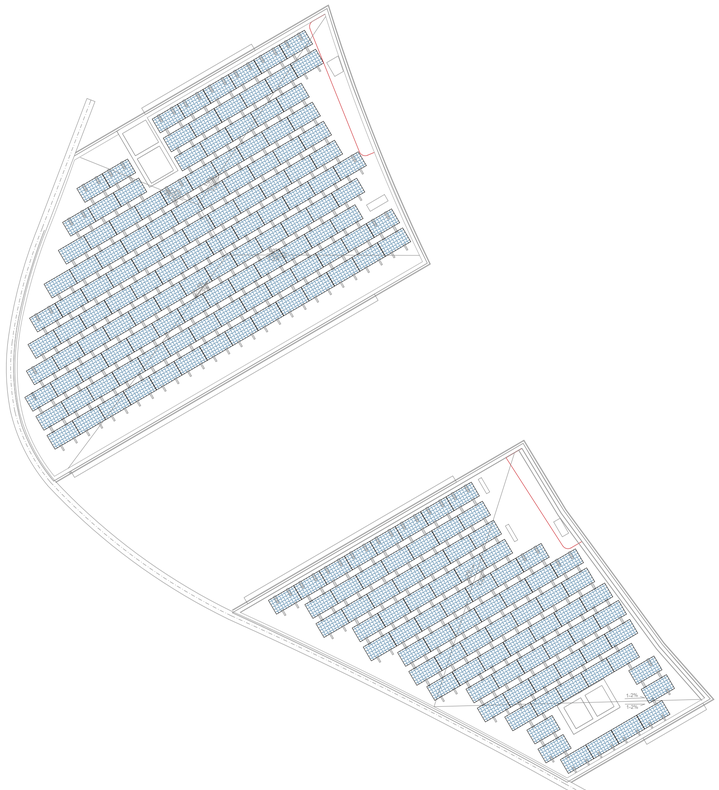
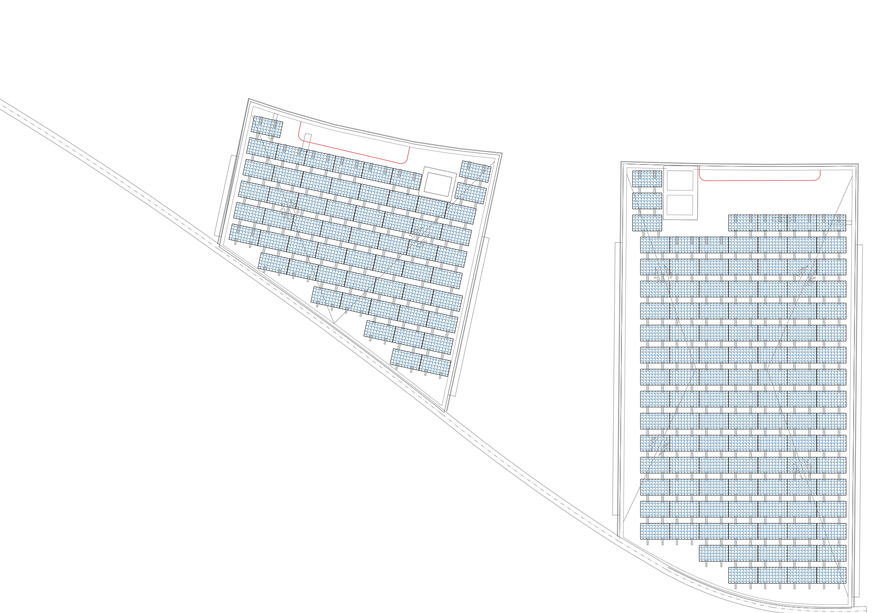
| issuer | plan number: | Emertimi i fletës |
|---|---|---|
| E | E.08-07 | **PROJEKTI ELEKTRIK , KABINA ELEKTRIKE TM/TU**<br>**DETAJE TEKNIKE INSTALIMI TE KABINES ELEKTRIKE** |

| Faza: | data: | shkalla e vizatimit: | formati: |
|---|---|---|---|
| LN | 2024 | 1:100 | A1 |

N

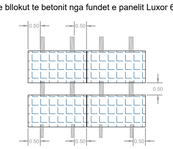
# IMPIANTI FOTOVOLTAIK, PLANVENDOSJA E PANELEVE DIELLORE



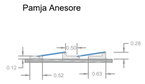


Permasat e panelit Luxor 660 Wp

Distanca e bllokut te betonit nga fundet e panelit Luxor 660 Wp




Pamja Anesore




Legenda:

| NJESIA | PERSHKRIM |
|---|---|
| | PANEL FOTOVOLTAIK LUXOR ECO LINE HALF CELL 660Wp |
| | Bllok Betoni Paresor |
| | Bllok Betoni Mesor |

Notes:

Poli i Ri i Teknologjisë së Informacionit dhe Sigurisë Kibernetike

Objekti: Leje Ndertimi
Zona Kadastrale: zk: 3266

**Klienti:** FONDI SHQIPTAR I ZHVILLIMIT


iRI — N.6844 — Firma: Lexoj dhe aprovoj
Local Architecture Office (LOC)
Studio Lokale Arkitekture (VEND)
Gent Agolli

ARCHISPACE — N.6732/14 — Firma: Lexoj dhe aprovoj
Local Architecture Office (LOC)
Studio Lokale Arkitekture (VEND)
Rais Petrela

CONSULTING & MANAGEMENT ALBANIA — N.6409/7 — Firma: Lexoj dhe aprovoj
Local Architecture Office (LOC)
Studio Lokale Arkitekture (VEND)
Ervis Myftari

d&C partners design & consulting engineers — N.4497/7 — Firma: Lexoj dhe aprovoj
Studio Konstruksioni

MEKA-PRO SHPK — N.7013/1 — Firma: Lexoj dhe aprovoj
Inxhinieri Hidro-Mekanik dhe MNZ
Ing. Marsel Pylla

Besart Dalliu — E-1412/2
Endrit Hoxhaj — E-1923/1 — Firma: Lexoj dhe aprovoj
Inxhinieri Elektrik



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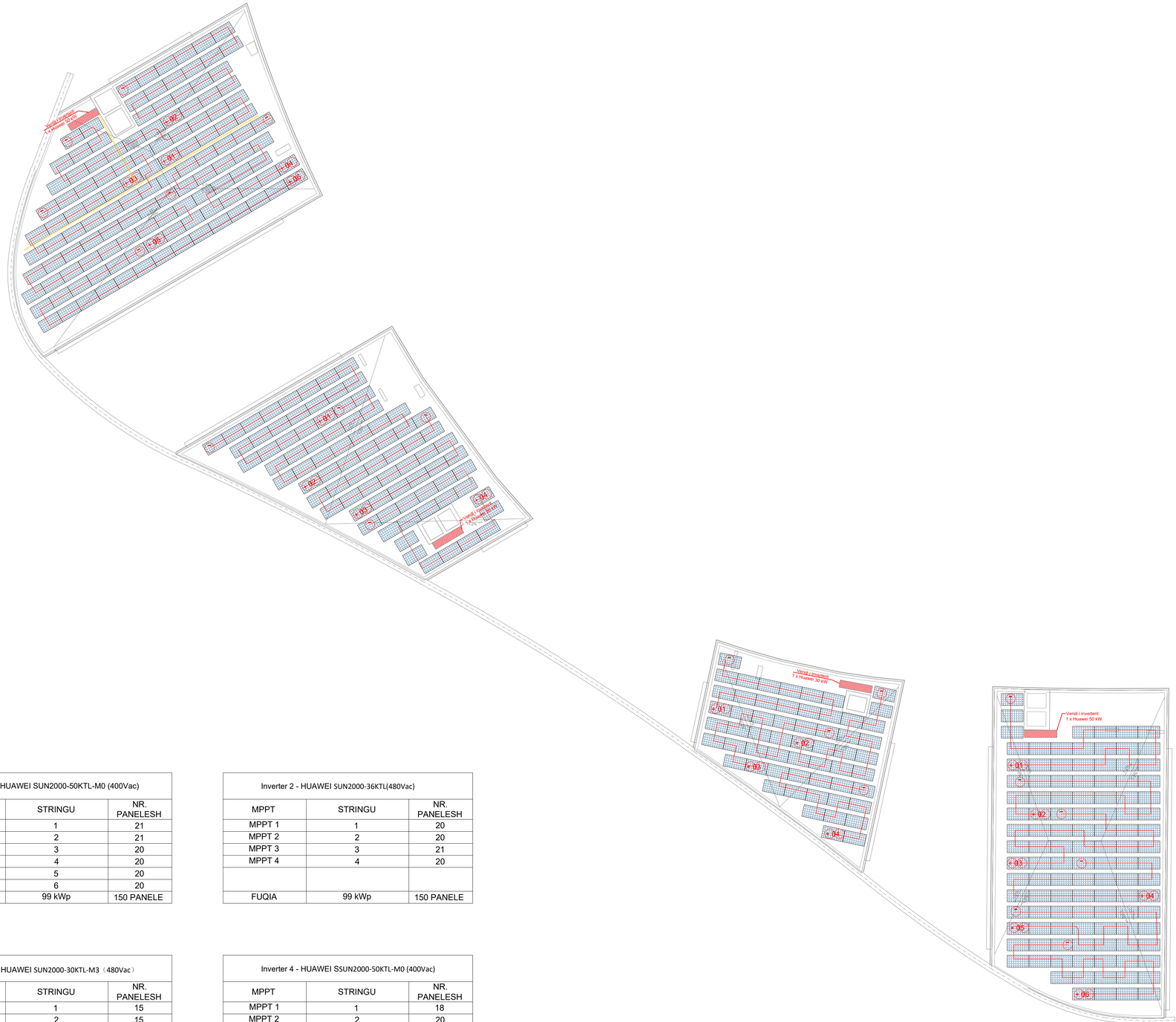
| issuer | plan number: | Emertimi i fletës |
|---|---|---|
| **E** | E.09-01 | **PROJEKTI ELEKTRIK, IMPIANTI FOTOVOLTAIK, PLANVENDOSJA E PANELEVE DIELLORE** |

| Faza: | data: | shkalla e vizatimit: | formati: |
|---|---|---|---|
| LN | 2024 | 1:250 | A1 |

N

# IMPIANTI FOTOVOLTAIK, LIDHJA DHE KABLLIMET E PANELEVE




| Inverter 1 - HUAWEI SUN2000-50KTL-M0 (400Vac) | | |
|---|---|---|
| MPPT | STRINGU | NR. PANELESH |
| MPPT 1 | 1 | 21 |
| MPPT 2 | 2 | 21 |
| MPPT 3 | 3 | 20 |
| MPPT 4 | 4 | 20 |
| MPPT 5 | 5 | 20 |
| MPPT 6 | 6 | 20 |
| FUQIA | 99 kWp | 150 PANELE |

| Inverter 2 - HUAWEI SUN2000-36KTL(480Vac) | | |
|---|---|---|
| MPPT | STRINGU | NR. PANELESH |
| MPPT 1 | 1 | 20 |
| MPPT 2 | 2 | 20 |
| MPPT 3 | 3 | 21 |
| MPPT 4 | 4 | 20 |
| | | |
| FUQIA | 99 kWp | 150 PANELE |

| Inverter 3 - HUAWEI SUN2000-30KTL-M3（480Vac） | | |
|---|---|---|
| MPPT | STRINGU | NR. PANELESH |
| MPPT 1 | 1 | 15 |
| MPPT 2 | 2 | 15 |
| MPPT 3 | 3 | 14 |
| MPPT 4 | 4 | 14 |
| | | |
| FUQIA | 99 kWp | 150 PANELE |

| Inverter 4 - HUAWEI SSUN2000-50KTL-M0 (400Vac) | | |
|---|---|---|
| MPPT | STRINGU | NR. PANELESH |
| MPPT 1 | 1 | 18 |
| MPPT 2 | 2 | 20 |
| MPPT 3 | 3 | 18 |
| MPPT 4 | 4 | 20 |
| MPPT 5 | 5 | 19 |
| MPPT 6 | 6 | 19 |
| FUQIA | 99 kWp | 150 PANELE |

Legenda:

| NJESIA | PERSHKRIM |
|---|---|
| | PANEL FOTOVOLTAIK LUXOR ECO LINE HALF CELL 660Wp |
| | Bllok Betoni Paresor |
| | Bllok Betoni Mesor |

Notes:

Poli i Ri i Teknologjisë së Informacionit dhe Sigurisë Kibernetike

Objekti: Leje Ndertimi
Zona Kadastrale: zk: 3266

**Klienti:** FONDI SHQIPTAR I ZHVILLIMIT

| | | |
|---|---|---|
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| ARCHISPACE<br>Local Architecture Office<br>Studio Lokale Arkitekture<br>Rais Petrela | N.6732/14 | Firma:<br>Lexoj dhe aprovoj |
| CONSULTING & MANAGEMENT ALBANIA<br>Local Architecture Office<br>Studio Lokale Arkitekture<br>Ervis Myftari | N.6409/7 | Firma:<br>Lexoj dhe aprovoj |
| d&C partners design & consulting engineers<br>Studio Konstruksioni | N.4497/7 | Firma:<br>Lexoj dhe aprovoj |
| MEKA-PRO SHPK<br>Inxhinieri Hidro-Mekanik dhe MNZ<br>Ing. Marsel Pylla | N.7013/1 | Firma:<br>Lexoj dhe aprovoj |
| Besart Dalliu<br>Endrit Hoxhaj<br>Inxhinieri Elektrik | E-1412/2<br>E-1923/1 | Firma:<br>Lexoj dhe aprovoj |

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| issuer | plan number: | |
|---|---|---|
| E | E.09-02 | Emertimi i fletës<br>**PROJEKTI ELEKTRIK, IMPIANTI FOTOVOLTAIK, LIDHJA DHE KABLLIMET E PANELEVE** |

| Faza: | data: | shkalla e vizatimit: | formati: |
|---|---|---|---|
| LN | 2024 | 1:250 | A1 |

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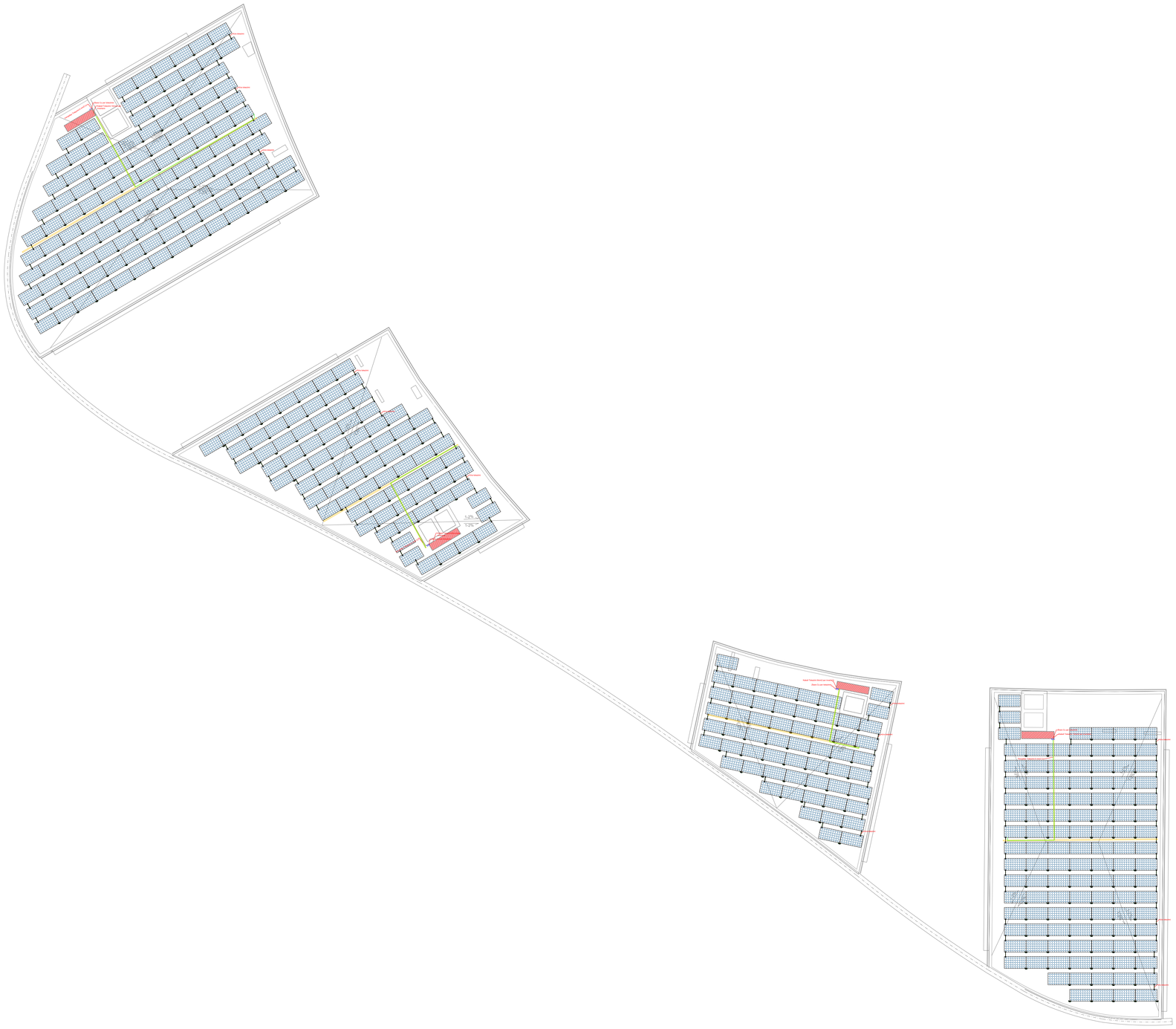
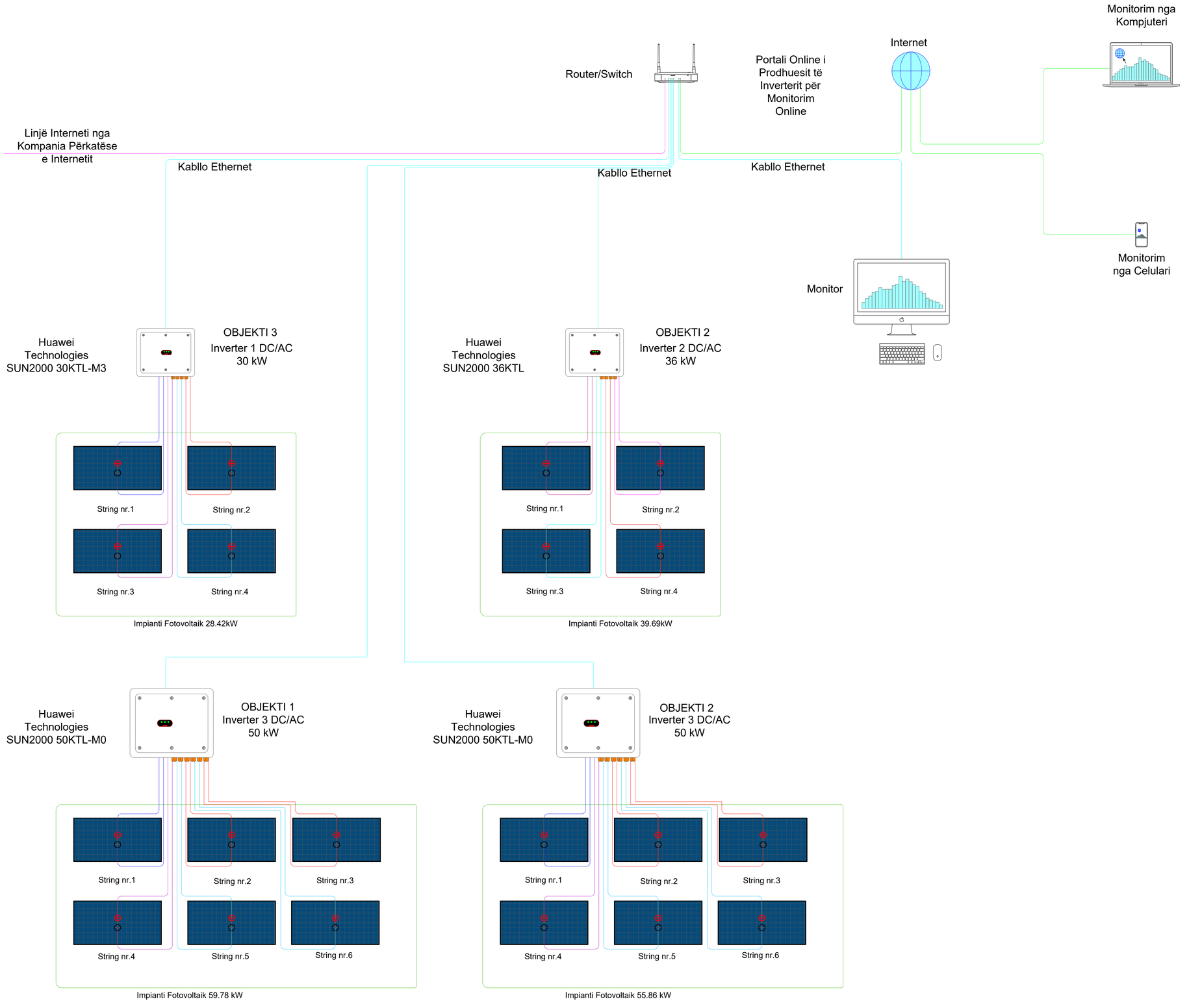
# IMPIANTI FOTOVOLTAIK, SISTEMI I TOKEZIMIT TE PANELEVE DIELLORE


Local Transmission System Operator
Point Of Connection
Metering Cabinet
Main Switchboard
Inverter
Inverter
Inverter

# IMPIANTI FOTOVOLTAIK, MONITORIMI ONLINE I SISTEMIT




Legenda:

Notes:

## Poli i Ri i Teknologjisë së Informacionit dhe Sigurisë Kibernetike

Objekti: Leje Ndertimi
Zona Kadastrale: zk: 3266

**Klienti:** FONDI SHQIPTAR I ZHVILLIMIT

| | | |
|---|---|---|
| iRI<br>Local Architecture Office (LOC)<br>Studio Lokale Arkitekture (VEND)<br>Gent Agolli | N.6844 | Firma:<br>Lexoj dhe aprovoj |
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| **CONSULTING & MANAGEMENT ALBANIA**<br>Local Architecture Office (LOC)<br>Studio Lokale Arkitekture (VEND)<br>Ervis Myftari | N.6409/7 | Firma:<br>Lexoj dhe aprovoj |
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| **MEKA-PRO SHPK**<br>Inxhinieri Hidro-Mekanik dhe MNZ<br>Ing. Marsel Pylla | N.7013/1 | Firma:<br>Lexoj dhe aprovoj |
| **Besart Dalliu**<br>**Endrit Hoxhaj**<br>Inxhinieri Elektrik | E-1412/2<br>E-1923/1 | Firma:<br>Lexoj dhe aprovoj |


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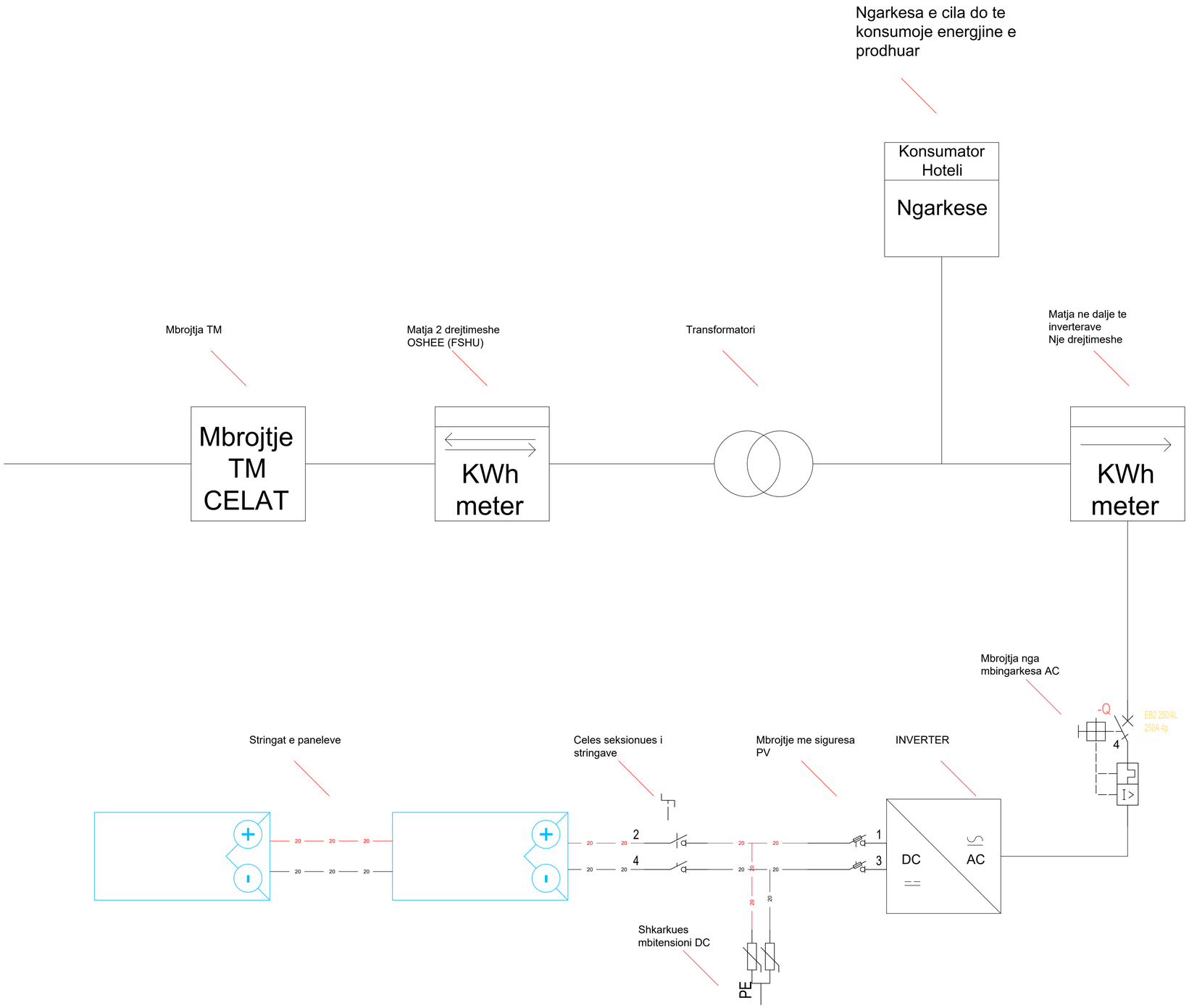
| issuer | plan number: | Emertimi i fletës |
|---|---|---|
| **E** | E.09-04 | **PROJEKTI ELEKTRIK, IMPIANTI FOTOVOLTAIK, MONITORIMI ONLINE I SISTEMIT** |

| Faza: | data: | shkalla e vizatimit: | formati: |
|---|---|---|---|
| LN | 2024 | 1:250 | A1 |

N

# IMPIANTI FOTOVOLTAIK, SKEMA ELEKTRIKE




Legenda:

Notes:

Poli i Ri i Teknologjisë së Informacionit dhe Sigurisë Kibernetike

Objekti: Leje Ndertimi
Zona Kadastrale: zk: 3266

**Klienti:** FONDI SHQIPTAR I ZHVILLIMIT

| | | |
|---|---|---|
| iRI<br>Local Architecture Office Studio Lokale Arkitekture<br>Gent Agolli (LOC) (VEND) | N.6844 | Firma:<br>Lexoj dhe aprovoj |
| ARCHISPACE<br>Local Architecture Office Studio Lokale Arkitekture<br>Rais Petrela (LOC) (VEND) | N.6732/14 | Firma:<br>Lexoj dhe aprovoj |
| CONSULTING & MANAGEMENT ALBANIA<br>Local Architecture Office Studio Lokale Arkitekture<br>Ervis Myftari (LOC) (VEND) | N.6409/7 | Firma:<br>Lexoj dhe aprovoj |
| d&C partners design & consulting engineers<br>Studio Konstruksioni | N.4497/7 | Firma:<br>Lexoj dhe aprovoj |
| MEKA-PRO SHPK<br>Inxhinieri Hidro-Mekanik dhe MNZ<br>Ing. Marsel Pylla | N.7013/1 | Firma:<br>Lexoj dhe aprovoj |
| Besart Dalliu<br>Endrit Hoxhaj<br>Inxhinieri Elektrik | E-1412/2<br>E-1923/1 | Firma:<br>Lexoj dhe aprovoj |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| issuer | plan number: | |
|---|---|---|
| **E** | E.09-05 | Emertimi i fletës<br>**PROJEKTI ELEKTRIK, IMPIANTI FOTOVOLTAIK, SKEMA ELEKTRIKE** |

| Faza: | data: | shkalla e vizatimit: | formati: |
|---|---|---|---|
| LN | 2024 | 1:250 | A1 |

N

Grup Pompimi uji Sanitar
Apartamente

Certifikuar: per uje te pijshem

Kompozimi: 50%+50%+50%
rezerve ose 100%+100% rezerve

Karakteristikat
Prurja: 1.7 l/s
Presioni: 6.5 bar

Model referues:
GRUNDFOS
HYDRO MULTI-E 2 CRE 5-9




Legenda:

- Tubacionet kryesore te shperndarjes se ujit te ftohte sanitar
  Materjali: Tubacione celiku i galvanizuar seri M
  Norma: EN 10255
  I termoizoluar me veshje per per mbrojtje nga kondensimi
- Tubacionet e shperndarjes se ujit te ftohte sanitar
  Materjali: Tubacione polipropileni PP-R
  Standarti: ASTM F 2389 dhe ISO 21003
- Kolonat e furnizimit me uje te ftohte sanitar
  Materjali: Tubacione celiku te zinkuar (mbrojtje antikondense)
  Norma: EN 10255
  I termoizoluar me veshje per per mbrojtje nga kondensimi
- G.M. Grupi i matesave te konsumit te ujit sanitar
- Nyje sanitare
  Tipi dhe numri i pajisjeve, sipas pershkrimit perkates
- LU Njesi ngarkese (Load Units)
- Valvol nderprerese me sfere
- Mates uji 3/4"
- Valvol moskthimi
- Reduktor presioni

**Sistemi i furnizimit me uje te ngrohte dhe te ftohte sanitar**

Per realizimin e rjetit te tubacioneve te ujit te ngrohte dhe te ftohte nga materi deri te secili rubinet, do te perdoret tubacion prej materjali PP-R MF SDR 7.4 sipas ASTM F 2389 dhe ISO 21003, I certifikuar per uje sanitar te pijshem, presion 16 bar.

Dimensioni, specifikimet teknike dhe standarti, te stampuara ne trup nga fabrika.

Notes:

## FURNIZIM ME UJE - DIMENSIONIMI I LINJAVE

*Norma referuese:* **EN 806-3, VKM nr.83 dt. 10.02.2021**

*Skema e shperndarjes:* **Me degezime dhe kolektore ne tualete**

*Materiali i tubacioneve:* **PP-R SDR 7.4 (PN-16)**

*Shpejtesia e ujit ne linja:* **max. 1.5 m/s (kolona),**
**max. 2 m/s (ne dysheme dhe kolektore) dhe**
**max. 4 m/s (ne degezime qe lidhen me rakorderi)**
***Vlera e perzgjedhur ne projekt = max. 3 m/s***

# Poli i Ri i Teknologjisë së Informacionit dhe Sigurisë Kibernetike

Objekti: Leje Ndertimi
Zona Kadastrale: zk: 3266

**Klienti:** FONDI SHQIPTAR I ZHVILLIMIT

| | | |
|---|---|---|
| iRI<br>Local Architecture Office (LOC)<br>Studio Lokale Arkitekture (VEND)<br>Gent Agolli | N.6844 | Firma:<br>Lexoj dhe aprovoj |
| ARCHISPACE<br>Local Architecture Office (LOC)<br>Studio Lokale Arkitekture (VEND)<br>Rais Petrela | N.6732/14 | Firma:<br>Lexoj dhe aprovoj |
| CONSULTING & MANAGEMENT ALBANIA<br>Local Architecture Office (LOC)<br>Studio Lokale Arkitekture (VEND)<br>Ervis Myftari | N.6409/7 | Firma:<br>Lexoj dhe aprovoj |
| d&C partners design & consulting engineers<br>Studio Konstruksioni | N.4497/7 | Firma:<br>Lexoj dhe aprovoj |
| MEKA-PRO SHPK<br>Inxhinieri Hidro-Mekanik dhe MNZ<br>Ing. Marsel Pylla | N.7013/1 | Firma:<br>Lexoj dhe aprovoj |
| Besart Dalliu<br>Endrit Hoxhaj<br>Inxhinieri Elektrik | E-1412/2<br>E-1923/1 | Firma:<br>Lexoj dhe aprovoj |

ALL DIMENSIONS HAVE TO BE VERIFIED BY THE CONTRACTOR ON TE CONSTRUCTION SITE

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TË GJITHA DIMENSIONET DUHET TË VERIFIKOHEN NGA KONTRAKTORI NË VEND

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|---|---|---|
| M | M. 8.01 | Emertimi i fletës<br>**FURNIZIMI ME UJE**<br>**KATI -2** |

| Faza: | data: | shkalla e vizatimit: | formati: |
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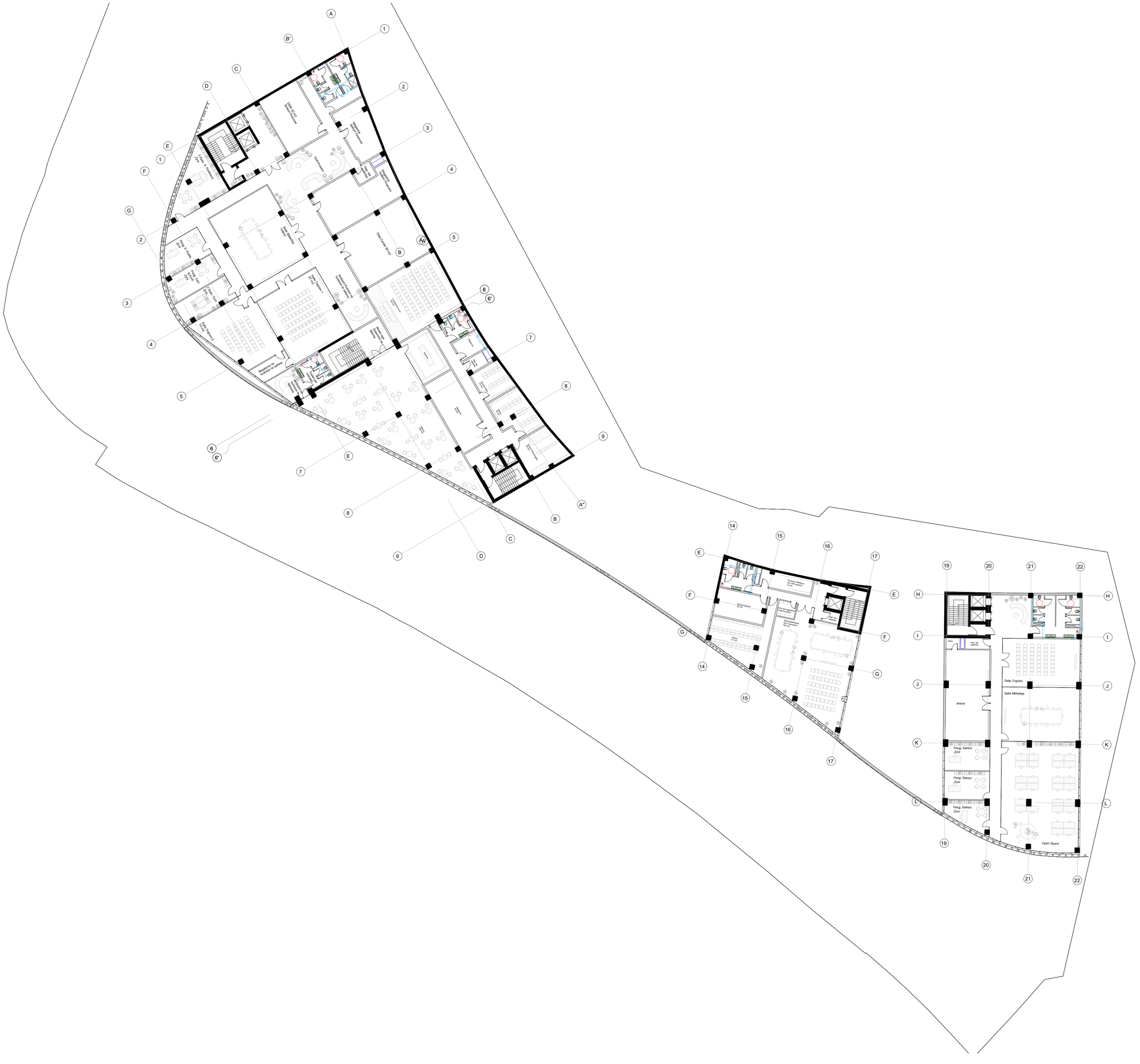
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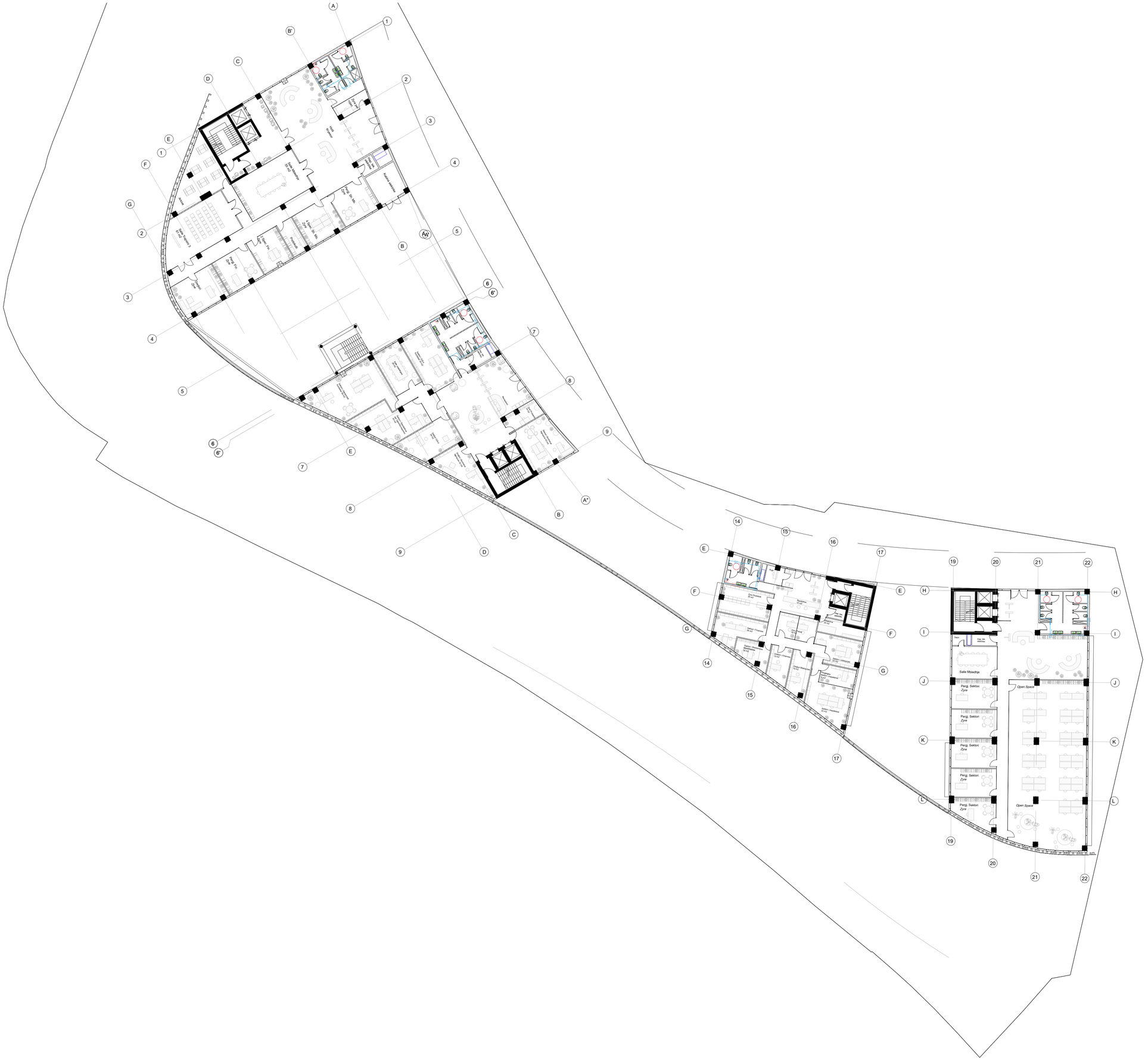
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Hyrje Shërbimi
Ashensor
Hyrje Sh. Ne.
Hyrje Sh. Te.
Kabinë Ashensor
Hyrje Sh. Te.
Hyrje Sh. Ne.
Arkivë
Hyrje Sh. Ne.
Hyrje Sh. Te.
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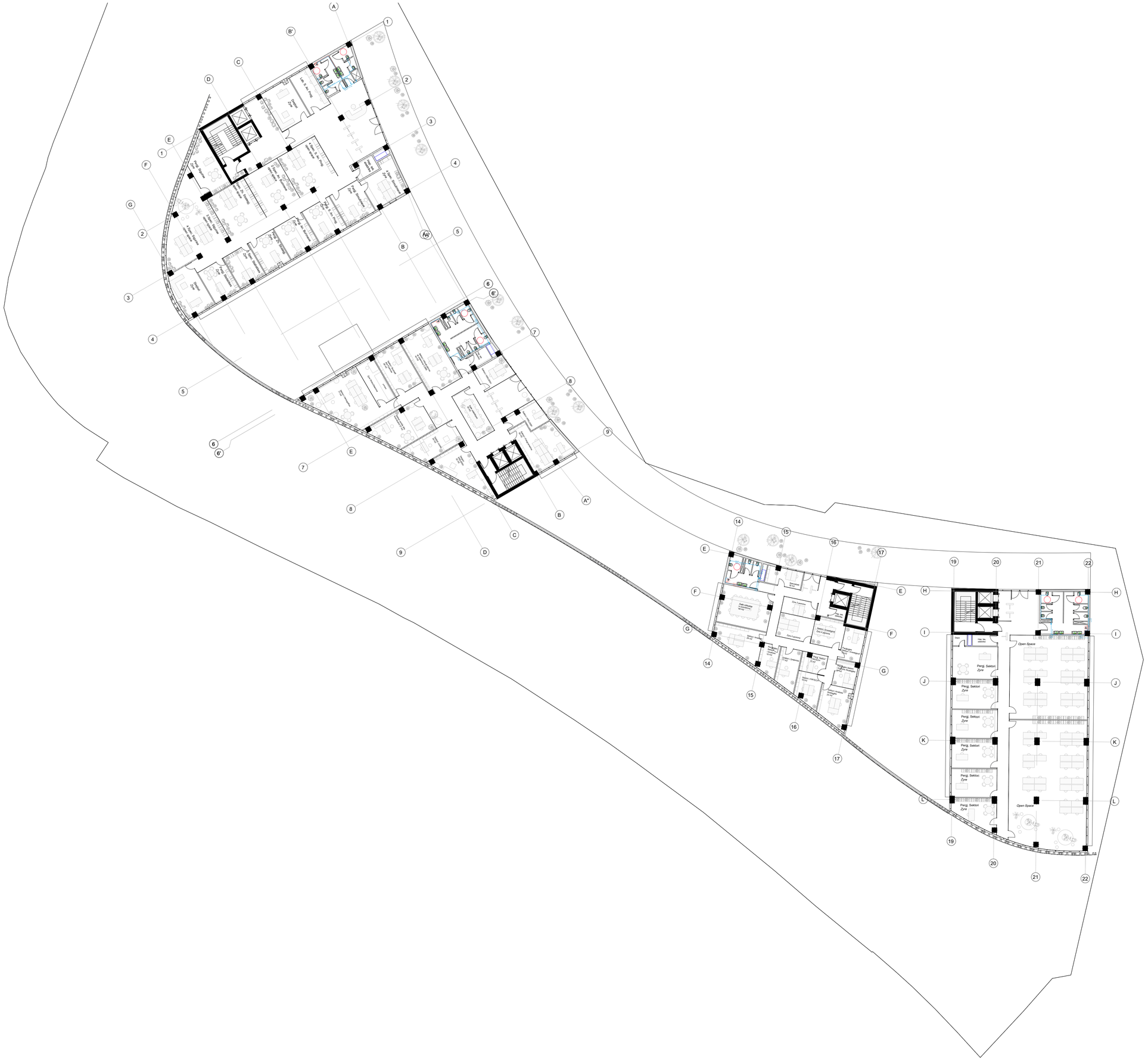


Notes:

## FURNIZIM ME UJE - DIMENSIONIMI I LINJAVE

*Norma referuese:* **EN 806-3, VKM nr.83 dt. 10.02.2021**

*Skema e shperndarjes:* **Me degezime dhe kolektore ne tualete**

*Materiali i tubacioneve:* **PP-R SDR 7.4 (PN-16)**

*Shpejtesia e ujit ne linja:* **max. 1.5 m/s (kolona),**
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# Poli i Ri i Teknologjisë së Informacionit dhe Sigurisë Kibernetike

Objekti: Leje Ndertimi
Zona Kadastrale: zk: 3266

**Klienti:** FONDI SHQIPTAR I ZHVILLIMIT

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| ARCHISPACE<br>Local Architecture Office (LOC)<br>Studio Lokale Arkitekture (VEND)<br>Rais Petrela | N.6732/14 | Firma:<br>Lexoj dhe aprovoj |
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|---|---|---|
| M | M. 8.04 | Emertimi i fletës<br>**FURNIZIMI ME UJE**<br>**KATI +1** |

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