



COMUNE DI CIMINNA
PROVINCIA DI PALERMO
REGIONE SICILIA

IMPIANTO DI PRODUZIONE ENERGIA ELETTRICA DA FONTE
RINNOVABILE FOTOVOLTAICA DENOM. "CIMINNA AGROVOLTAICO"
POT. IMP. FV 33.887,80 kWp - POT. IMM. IMP. FV 32.800,00 kWac
POT. IMP. SIST. ACCUMULO 15.750,00 kW - POT. IMM. 15.000,00 kWac

Proponente

Solar Energy Venti Srl
Via Sebastian Altmann 9, - 39100 - Bolzano (BZ)

Progettazione impianto FV

Progettazione SIA

Preparato
Rossella Ing. Sannasardo

Approvato
Antonio Ing. Nastri

Verificato
Francesco geom. Bruno



Gestore rete elettrica

CP: 202000577

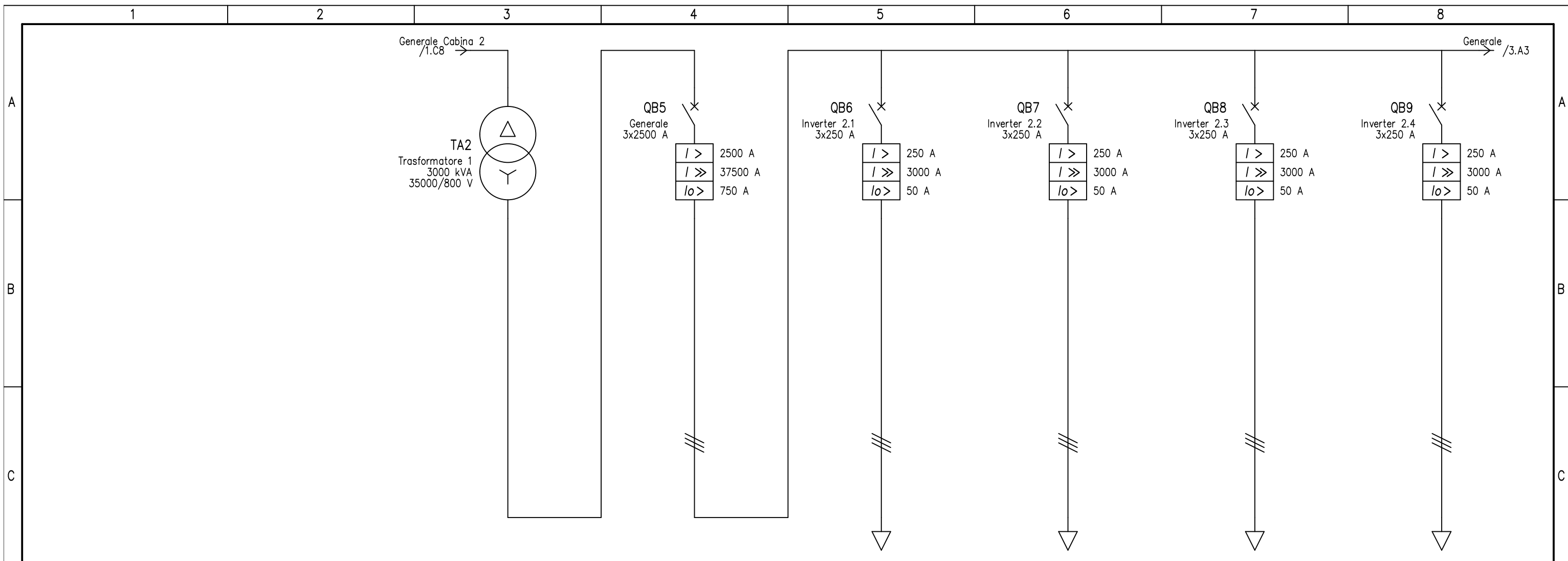
Visto approvazione

PROGETTO DEFINITIVO

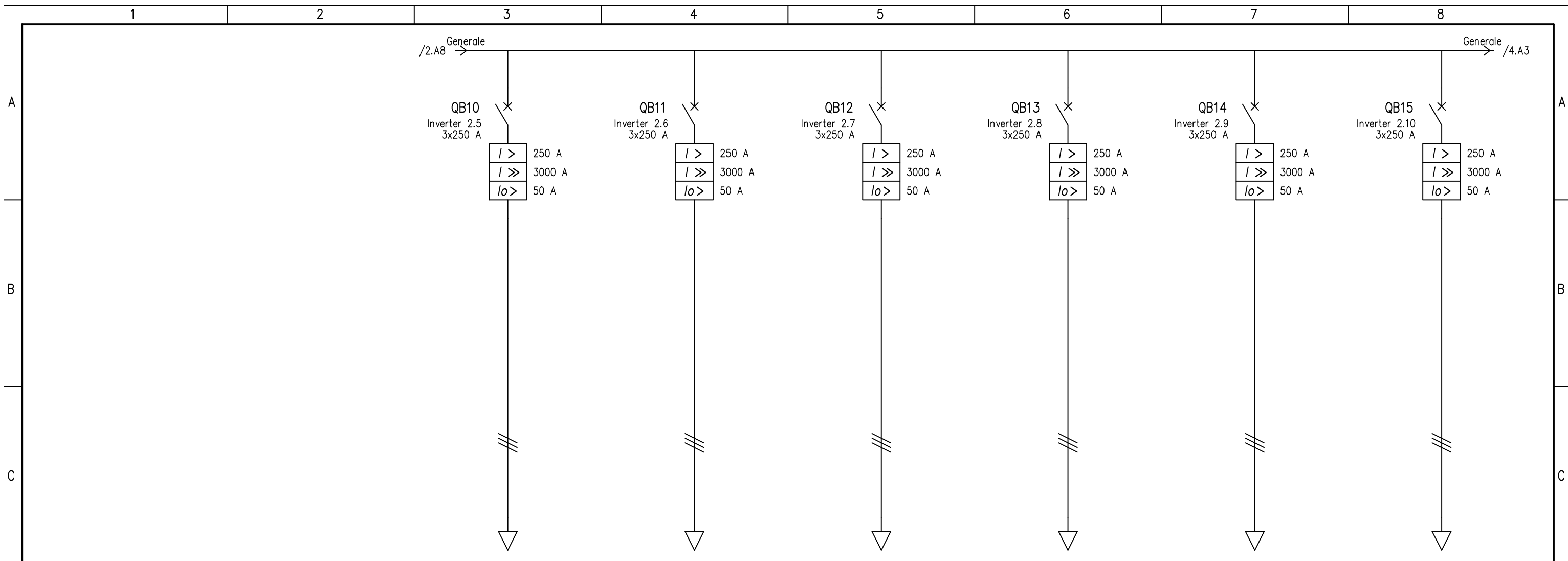
Titolo elaborato

PROGETTO IMPIANTO FOTOVOLTAICO
OPERE DI CONNESSIONE
SCHEMA ELETTRICO GENERALE CA

| Elaborato N. | Data emissione | | | |
|---------------|-------------------------------|------|------------|-----------------|
| RS06EPD0043A0 | 20/12/2021 | | | |
| | Nome file CIMINNA AGRICOLO | | | |
| N. Progetto | Scala | 00 | 20/12/2021 | PRIMA EMISSIONE |
| | - | REV. | DATA | DESCRIZIONE |

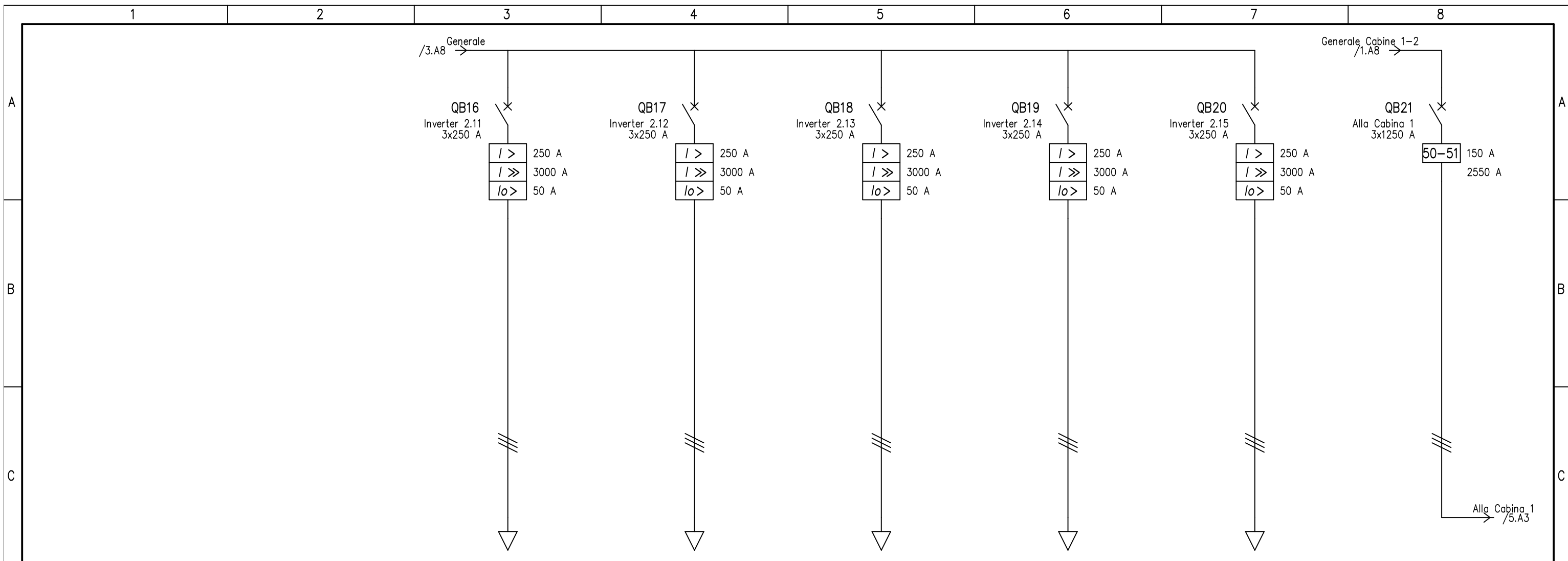


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|----------------------------|----------------------|-------------------|---|---------------------|-----------------------------------|-----------|-----------------------------------|-----------------------|-----------------------------------|-------|-----------------------------------|----------------|-----------------------------------|-------|----|
| UTENZA | DENOMINAZIONE | | Trasformatore 2 | | Generale | | Inverter 2.1 | | Inverter 2.2 | | Inverter 2.3 | | Inverter 2.4 | | |
| | SIGLA | | | | | | | | | | | | | | |
| | TIPO | POTENZA TOT. kVA | Media | 3000 kVA | TN-S | 3464.1 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | |
| | POTENZA kW | Ib A | 2646.3 | 48.7 | 3000 | 2405.6 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | |
| COEF. CONTEMP. | COS φ | 0.88 | 0.896 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | | |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | SNR | | ABB | | ABB | | ABB | | ABB | | ABB | | |
| | TIPO | | MT22 25 H3 extr (VertRearConn)+MICROLOGIC 6.0X L5IG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | |
| | N.POLI | In A | 3 | 2500 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | |
| | Ith A | Idn A | TIPO DIFF. | | 2500 | 750 | Sel. | 250 | 50 | Sel. | 250 | 50 | Sel. | 250 | 50 |
| Im (o curva) A | Pdi kA | | | 25000 | 100 | | 1250 | 70 | | 1250 | 70 | | 1250 | 70 | |
| FUSIBILE | TIPO | | | | | | | | | | | | | | |
| | CALIBRO | | A | | | | | | | | | | | | |
| CONTATTORE | TIPO | | | | | | | | | | | | | | |
| | In A | Pn kW | | | | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | | | | |
| | TARATURA | | A | | | | | | | | | | | | |
| LINEA DI POTENZA | TIPO CAVO | | RG7H1R 26/45 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | |
| | FORMAZIONE | | 3x(1x70) | | 3x(9x630) | | 3x(2x400) | | 3x(2x300) | | 3x(2x300) | | 3x(2x185) | | |
| | LUNGHEZZA | | m | | 5 | | 290 | | 240 | | 220 | | 155 | | |
| | Iz A | | 184 | | 3483 | | 850 | | 729.3 | | 729.3 | | 549.1 | | |
| | C.d.T. a In % | C.d.T. a Ib % | 4.91 | 3.89 | 0.021 | 0.02 | 0.755 | 0.471 | 0.733 | 0.457 | 0.674 | 0.419 | 0.696 | 0.433 | |
| | Zk mΩ | Zs mΩ | 15 | | 15 | 14.3 | 27.6 | 26.9 | 26 | 25.2 | 25 | 24.3 | 23.5 | 22.8 | |
| | Ik trifase/monof. kA | Ik1 fase/terra kA | 30.8 | | 30.7 | 32.4 | 16.7 | 17.2 | 17.8 | 18.3 | 18.5 | 19 | 19.6 | 20.3 | |
| NUMERAZIONE MORSETTIERA | | | | | | | | | | | | | | | |
| DATA | 07/12/2020 | | | Ing. Antonio Nastri | | | | Impianto Fotovoltaico | | | | | | | |
| DISEG. | | | | | | | | | | | | | | | |
| VISTO | | | | | | | | | | | | | | | |
| REV. | MODIFICA | DATA | FIRMA | APPR. | SOST. IL: | SOST. DA: | ORIGINE: | | | | | FOGLIO 2 DI 37 | | | |
| | | | | | | | | | | | | SEGUE 3 | | | |



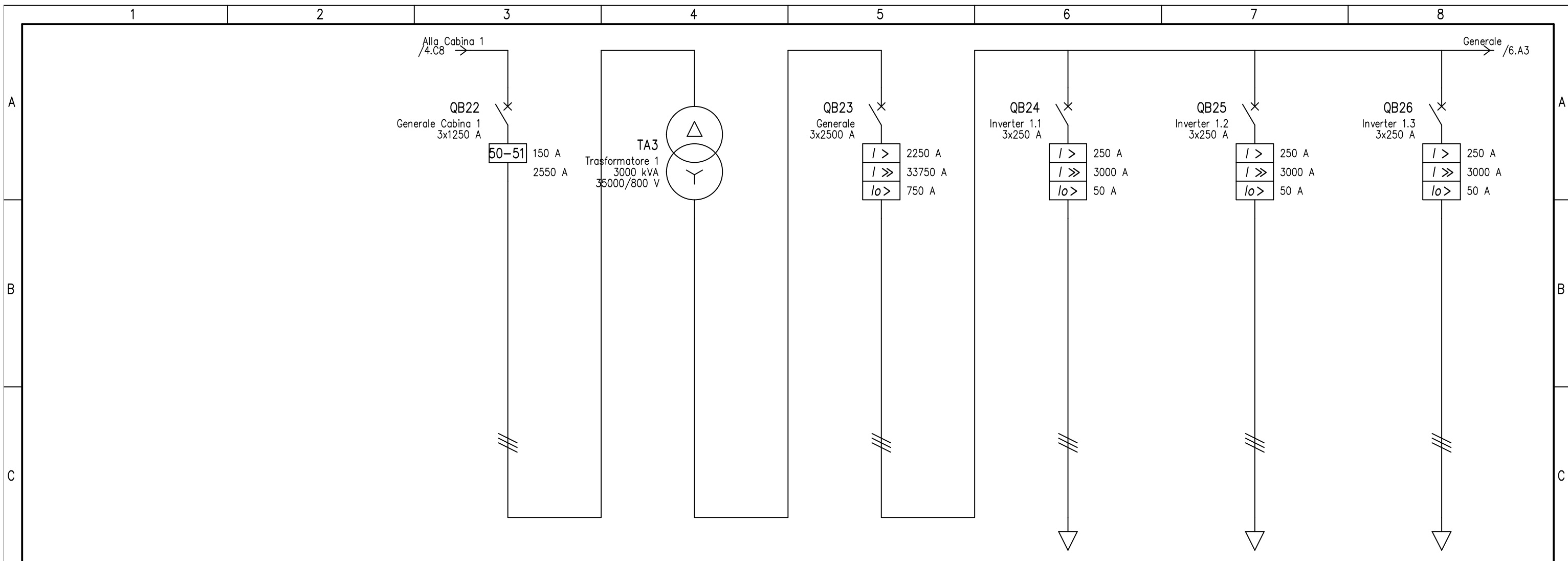
| UTENZA | DENOMINAZIONE | | Inverter 2.5 | | Inverter 2.6 | | Inverter 2.7 | | Inverter 2.8 | | Inverter 2.9 | | Inverter 2.10 | |
|----------------------------|----------------------|-------------------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|
| | TIPO | POTENZA TOT. kVA | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 |
| | POTENZA kW | lb A | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 |
| | COEF. CONTEMP. | COS φ | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | ABB | | ABB | | ABB | | ABB | | ABB | | ABB | |
| | TIPO | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | |
| | N.POLI | In A | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 |
| | lth A | ldn A | TIPO DIFF. | 250 | 50 | Sel. | 250 | 50 | Sel. | 250 | 50 | Sel. | 250 | 50 |
| | Im (o curva) A | Pdi kA | 1250 | 70 | 1250 | 70 | 1250 | 70 | 1250 | 70 | 1250 | 70 | 1250 | 70 |
| FUSIBILE | TIPO | | | | | | | | | | | | | |
| | CALIBRO | | A | | A | | A | | A | | A | | A | |
| CONTATTORE | TIPO | | | | | | | | | | | | | |
| | In A | Pn kW | | | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | | | |
| | TARATURA | | A | | A | | A | | A | | A | | A | |
| LINEA DI POTENZA | TIPO CAVO | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | |
| | FORMAZIONE | | 3x(2x240) | | 3x(2x300) | | 3x(2x300) | | 3x(1x240) | | 3x(2x185) | | 3x(2x185) | |
| | LUNGHEZZA | | m | | 190 | | 225 | | 245 | | 95 | | 150 | |
| | Iz A | | 644.3 | | 729.3 | | 729.3 | | 379 | | 549.1 | | 549.1 | |
| | C.d.T. a ln % | C.d.T. a lb % | 0.705 | 0.439 | 0.689 | 0.428 | 0.748 | 0.466 | 0.705 | 0.439 | 0.674 | 0.419 | 0.696 | 0.433 |
| | Zk mΩ | Zs mΩ | 24.5 | 23.8 | 25.3 | 24.5 | 26.2 | 25.5 | 24.5 | 23.8 | 23.2 | 22.5 | 23.5 | 22.8 |
| | Ik trifase/monof. kA | Ik1 fase/terra kA | 18.9 | 19.4 | 18.3 | 18.8 | 17.6 | 18.1 | 18.9 | 19.4 | 19.9 | 20.5 | 19.6 | 20.3 |
| NUMERAZIONE MORSETTIERA | | | | | | | | | | | | | | |

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|--------|------------|---------------------|-----------------------|
| DATA | 07/12/2020 | Ing. Antonio Nastri | Impianto Fotovoltaico |
| DISEG. | | | |
| VISTO | | | |
| REV. | MODIFICA | DATA | FIRMA |
| APPR. | | SOST. IL: | SOST. DA: |
| | | ORIGINE: | |



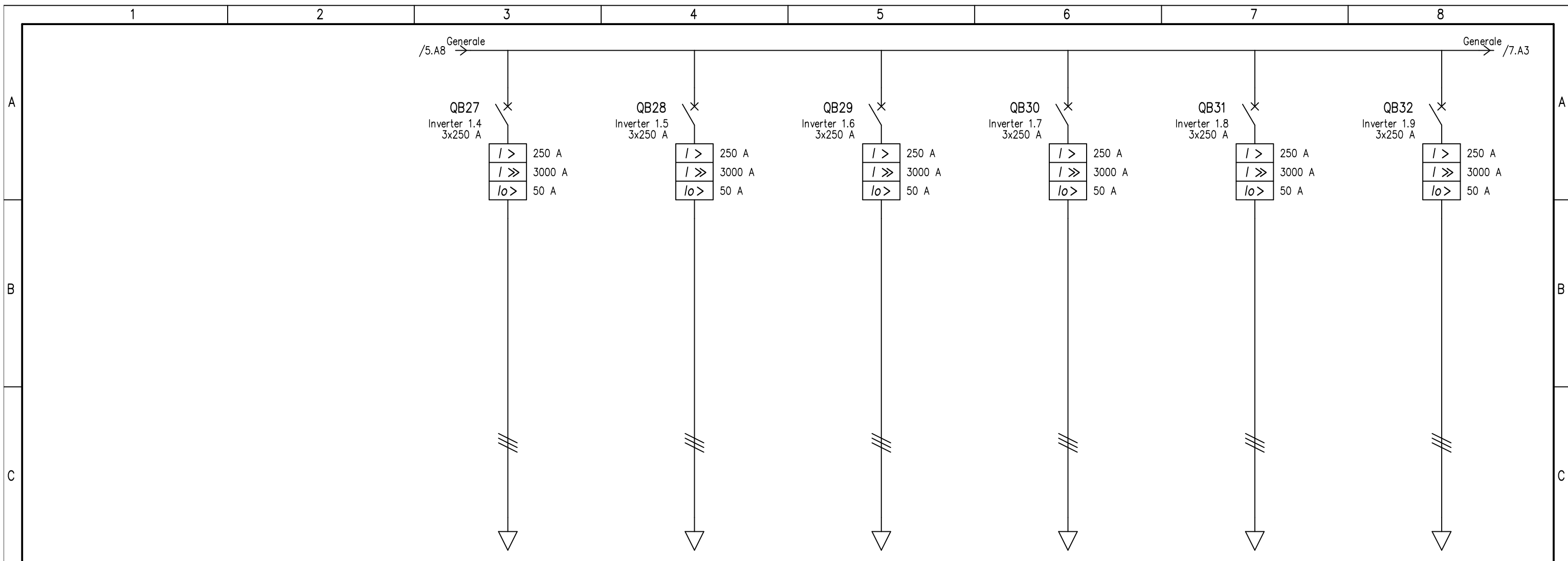
| UTENZA | DENOMINAZIONE | | Inverter 2.11 | | Inverter 2.12 | | Inverter 2.13 | | Inverter 2.14 | | Inverter 2.15 | | Alla Cabina 1 | |
|----------------------------|-------------------------|-------------------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------|--------|
| | TIPO | POTENZA TOT. kVA | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | Media | 9093.3 |
| | POTENZA kW | lb | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 2606.3 | 48 |
| | COEF. CONTEMP. | COS φ | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.896 |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | ABB | | ABB | | ABB | | ABB | | ABB | | ABB | |
| | TIPO | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | HAD 36+PR521 51-50 DT | |
| | N.POLI | In A | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 1250 |
| | lth A | ldn A | TIPO DIFF. | 250 | 50 | Sel. | 250 | 50 | Sel. | 250 | 50 | Sel. | 250 | 50 |
| | Im (o curva) A | Pdi kA | 1250 | 70 | 1250 | 70 | 1250 | 70 | 1250 | 70 | 1250 | 70 | 450 | 16 |
| FUSIBILE | TIPO | | | | | | | | | | | | | |
| | CALIBRO | | | | | | | | | | | | | |
| CONTATTORE | TIPO | | | | | | | | | | | | | |
| | In A | Pn kW | | | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | | | |
| | TARATURA | | | | | | | | | | | | | |
| LINEA DI POTENZA | TIPO CAVO | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | RG7H1R 26/45 kV | |
| | FORMAZIONE | | 3x(1x120) | | 3x(1x120) | | 3x(1x240) | | 3x(1x300) | | 3x(2x185) | | 3x(1x70) | |
| | LUNGHEZZA | | 35 | | 55 | | 95 | | 125 | | 160 | | 530 | |
| | Iz A | | 251 | | 251 | | 379 | | 429 | | 549.1 | | 184 | |
| | C.d.T. a ln % | C.d.T. a lb % | 0.445 | 0.272 | 0.688 | 0.428 | 0.705 | 0.439 | 0.763 | 0.476 | 0.718 | 0.447 | 0.22 | 0.047 |
| | Zk mΩ | Zs mΩ | 19.3 | 18.6 | 22.2 | 21.5 | 24.5 | 23.8 | 26.5 | 25.7 | 23.8 | 23.1 | 2662.4 | |
| | Ik trifase/monof. kA | Ik1 fase/terra kA | 23.9 | 24.9 | 20.8 | 21.5 | 18.9 | 19.4 | 17.5 | 18 | 19.4 | 20 | 8.35 | |
| | NUMERAZIONE MORSETTIERA | | | | | | | | | | | | | |

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|--------|------------|---------------------|-----------------------|
| DATA | 07/12/2020 | Ing. Antonio Nastri | Impianto Fotovoltaico |
| DISEG. | | | |
| VISTO | | | |
| REV. | MODIFICA | DATA | FIRMA |
| APPR. | | SOST. IL: | SOST. DA: |
| | | ORIGINE: | |



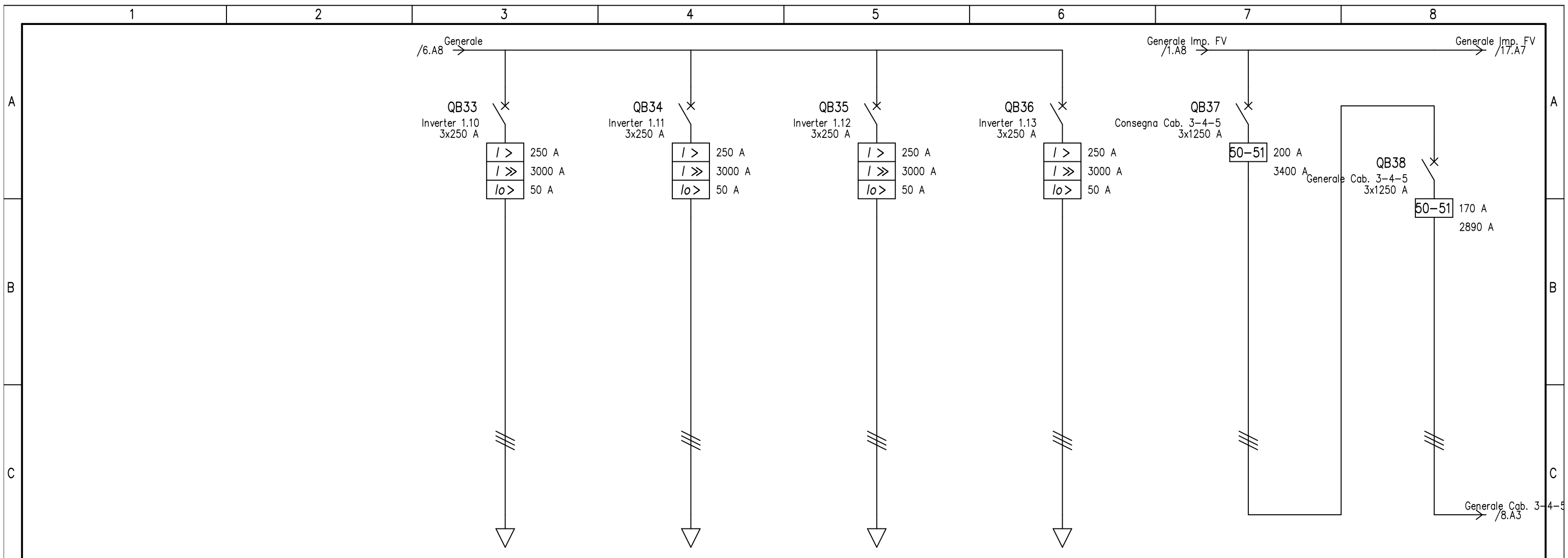
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|----------------------------|----------------------------------|-------------------------------|-----------------------|--------|---|----------|-----------------------------------|--------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|------|----|
| UTENZA | DENOMINAZIONE | | Generale Cabina 1 | | Trasformatore 1 | | Generale | | Inverter 1.1 | | Inverter 1.2 | | Inverter 1.3 | | | |
| | SIGLA | | | | | | | | | | | | | | | |
| | TIPO | POTENZA TOT. kVA | Media | 9093.3 | Media | 3000 kVA | TN-S | 3117.7 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | | |
| | POTENZA kW | Ib A | 2606.3 | 48 | 2606.3 | 48 | 2600 | 2084.9 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | | |
| COEF. CONTEMP. | COS φ | 1 | 0.896 | 1 | 0.896 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | | | |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | ABB | | SNR | | ABB | | ABB | | ABB | | ABB | | | |
| | TIPO | | HAD 36+PR521 51-50 DT | | MTZ2 25 H3 extr (VertRearConn)+MICROLOGIC 6.0X LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | | |
| | N.POLI | In A | 3 | 1250 | 3 | 2500 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | | |
| | Ith A | I _{dn} A | TIPO DIFF. | 150 | | 2250 | 750 | Sel. | 250 | 50 | Sel. | 250 | 50 | Sel. | 250 | 50 |
| I _m (o curva) A | P _{di} kA | | 450 | 16 | | 22500 | 100 | | 1250 | 70 | | 1250 | 70 | | 1250 | 70 |
| FUSIBILE | TIPO | | | | | | | | | | | | | | | |
| | CALIBRO | | A | | | | | | | | | | | | | |
| CONTATTORE | TIPO | | | | | | | | | | | | | | | |
| | In A | Pn kW | | | | | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | | | | | |
| | TARATURA | | A | | | | | | | | | | | | | |
| LINEA DI POTENZA | TIPO CAVO | | RG7H1R 26/45 kV | | RG7H1R 26/45 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | | |
| | FORMAZIONE | | 3x(1x70) | | 3x(1x70) | | 3x(6x630) | | 3x(2x400) | | 3x(2x300) | | 3x(1x400) | | | |
| | LUNGHEZZA | | m | | 570 | | 1 | | 5 | | 270 | | 210 | | | |
| | Iz A | | 184 | | 184 | | 2322 | | 850 | | 729.3 | | 500 | | | |
| | C.d.T. a In % | C.d.T. a Ib % | 0.379 | 0.051 | 4.57 | 3.83 | 0.029 | 0.027 | 0.712 | 0.438 | 0.652 | 0.4 | 0.788 | 0.487 | | |
| | Zk mΩ | Zs mΩ | 2774.9 | | 15.1 | 14.3 | 26.8 | 26.1 | 24.7 | 23.9 | 28.2 | 27.4 | | | | |
| | I _k trifase/monof. kA | I _{k1} fase/terra kA | 8.01 | | 30.7 | 32.2 | 17.2 | 17.7 | 18.7 | 19.3 | 16.4 | 16.9 | | | | |
| NUMERAZIONE MORSETTIERA | | | | | | | | | | | | | | | | |

| | | | |
|--------|------------|---------------------|-----------------------|
| DATA | 07/12/2020 | Ing. Antonio Nastri | Impianto Fotovoltaico |
| DISEG. | | | |
| VISTO | | | |
| REV. | MODIFICA | DATA | FIRMA |
| APPR. | | SOST. IL: | SOST. DA: |
| | | ORIGINE: | |
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |



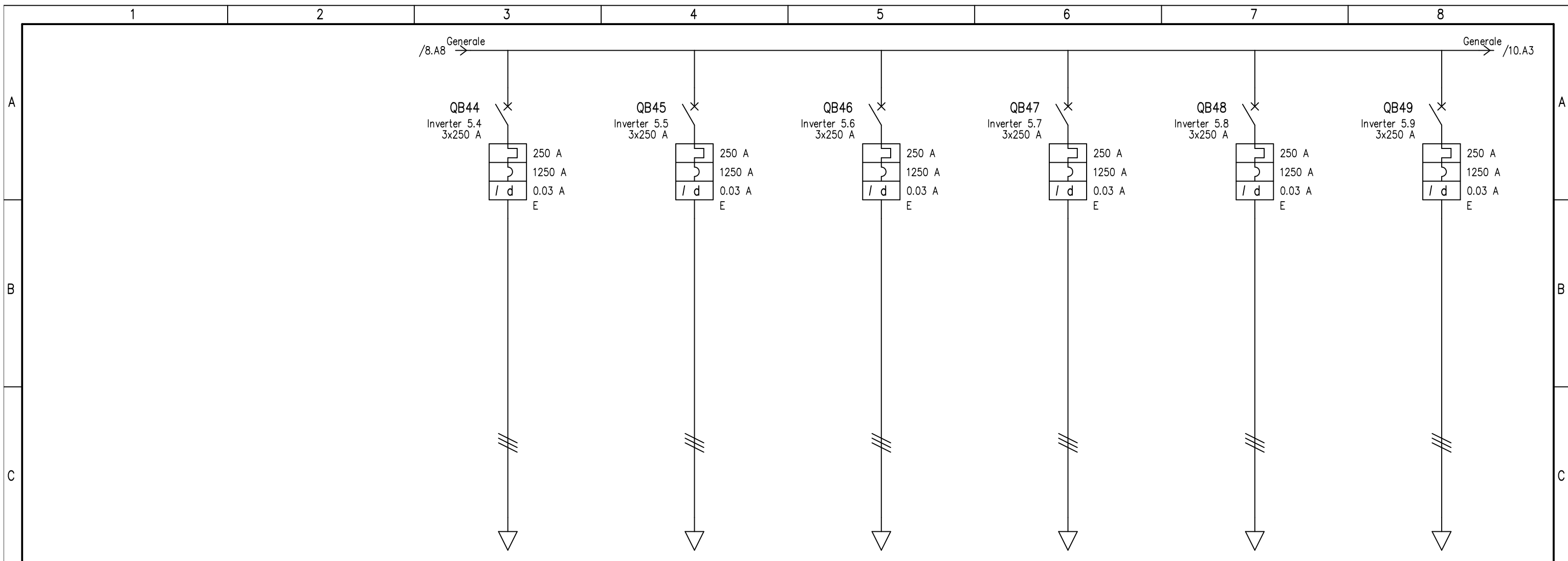
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|----------------------------|----------------------|-------------------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|
| UTENZA | DENOMINAZIONE | | | | | | | | | | | | | |
| | SIGLA | | Inverter 1.4 | | Inverter 1.5 | | Inverter 1.6 | | Inverter 1.7 | | Inverter 1.8 | | Inverter 1.9 | |
| | TIPO | POTENZA TOT. kVA | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 |
| | POTENZA kW | Ib A | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 |
| COEF. CONTEMP. | COS φ | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | ABB | | ABB | | ABB | | ABB | | ABB | | ABB | |
| | TIPO | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | |
| | N.POLI | In A | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 |
| | Ith A | Idn A | TIPO DIFF. | 250 | 50 | Sel. | 250 | 50 | Sel. | 250 | 50 | Sel. | 250 | 50 |
| Im (o curva) A | Pdi kA | 1250 | | 70 | | 1250 | | 70 | | 1250 | | 70 | | |
| FUSIBILE | TIPO | | | | | | | | | | | | | |
| CONTATTORE | CALIBRO | | A | | | | | | | | | | | |
| | In A | Pn kW | | | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | | | |
| LINEA DI POTENZA | TARATURA | | A | | | | | | | | | | | |
| | TIPO CAVO | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | |
| | FORMAZIONE | | 3x(1x300) | | 3x(1x240) | | 3x(1x150) | | 3x(2x185) | | 3x(1x300) | | 3x(1x300) | |
| | LUNGHEZZA | | m | | 125 | | 100 | | 65 | | 155 | | 120 | |
| | Iz A | | 429 | | 379 | | 287 | | 549.1 | | 429 | | 429 | |
| | C.d.T. a In % | C.d.T. a Ib % | 0.771 | 0.476 | 0.749 | 0.462 | 0.69 | 0.424 | 0.703 | 0.433 | 0.741 | 0.457 | 0.682 | 0.419 |
| | Zk mΩ | Zs mΩ | 26.6 | 25.8 | 25.1 | 24.4 | 22.8 | 22.1 | 23.6 | 22.9 | 26.1 | 25.3 | 25.1 | 24.4 |
| | Ik trifase/monof. kA | Ik1 fase/terra kA | 17.4 | 17.9 | 18.4 | 18.9 | 20.2 | 20.9 | 19.5 | 20.2 | 17.7 | 18.2 | 18.4 | 18.9 |
| NUMERAZIONE MORSETTIERA | | | | | | | | | | | | | | |

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|--------|------------|---------------------|-----------|-----------------------|--|
| DATA | 07/12/2020 | Ing. Antonio Nastri | | Impianto Fotovoltaico | |
| DISEG. | | | | | |
| VISTO | | | | | |
| REV. | MODIFICA | DATA | FIRMA | APPR. | |
| | | SOST. IL: | SOST. DA: | ORIGINE: | |
| | | | | FOGLIO 6 DI 37 | |
| | | | | SEGUE 7 | |



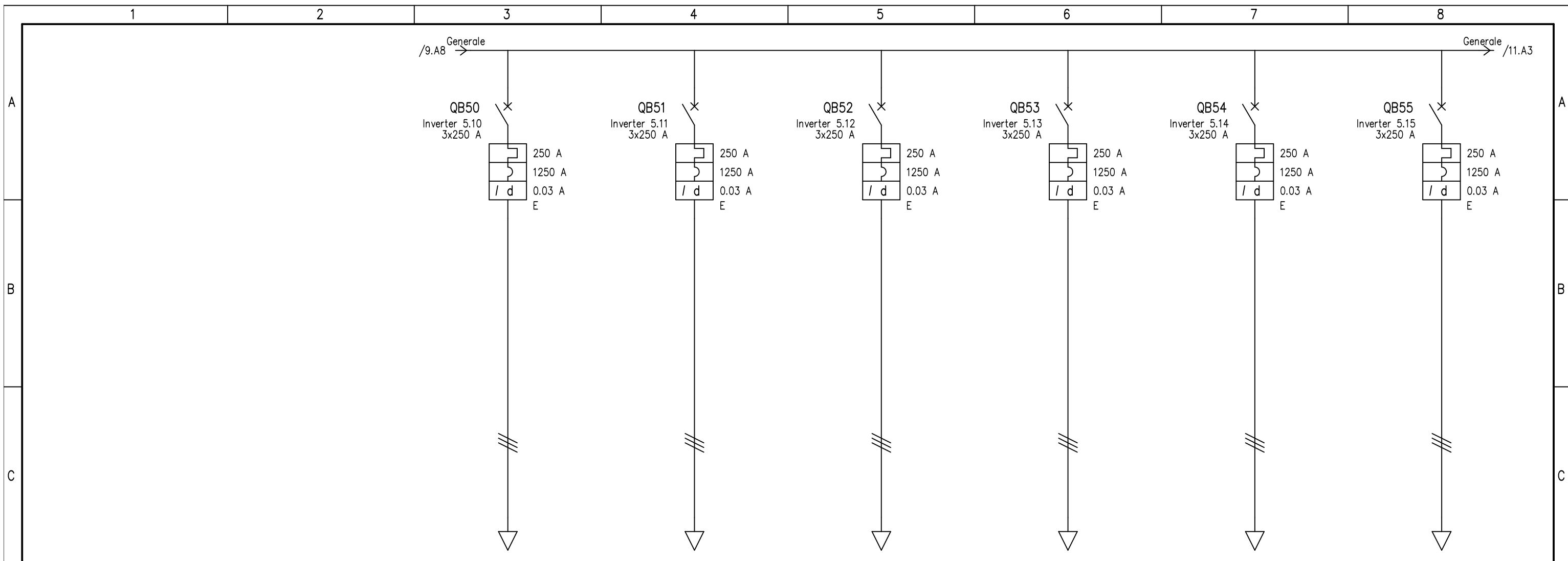
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|----------------------------|----------------------|-------------------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------|---------|
| UTENZA | DENOMINAZIONE | | | | | | | | | | | |
| | SIGLA | | Inverter 1.10 | | Inverter 1.11 | | Inverter 1.12 | | Inverter 1.13 | | Consegna Cab. 3-4-5 | |
| | TIPO | POTENZA TOT. kVA | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | Media | 12124.4 |
| | POTENZA kW | Ib A | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 8604.6 | 158.4 |
| COEF. CONTEMP. | COS φ | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.896 | |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | ABB | | ABB | | ABB | | ABB | | ABB | |
| | TIPO | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | HAD 36+PR521 51-50 DT | |
| | N.POLI | In A | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 1250 |
| | Ith A | Idn A | TIPO DIFF. | 250 | 50 | Sel. | 250 | 50 | Sel. | 250 | 50 | Sel. |
| Im (o curva) A | Pdi kA | | 1250 | 70 | | 1250 | 70 | | 1250 | 70 | | 600 |
| FUSIBILE | TIPO | | | | | | | | | | | |
| | CALIBRO | | | | | | | | | | | |
| CONTATTORE | TIPO | | | | | | | | | | | |
| | In A | Pn kW | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | |
| | TARATURA | | | | | | | | | | | |
| LINEA DI POTENZA | TIPO CAVO | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | RG7H1R 26/45 kV | |
| | FORMAZIONE | | 3x(1x120) | | 3x(1x150) | | 3x(1x240) | | 3x(1x120) | | 3x(1x150) | |
| | LUNGHEZZA | | 60 | | 70 | | 95 | | 35 | | 1740 | |
| | Iz A | | 251 | | 287 | | 379 | | 251 | | 484 | |
| | C.d.T. a In % | C.d.T. a Ib % | 0.756 | 0.466 | 0.74 | 0.457 | 0.713 | 0.439 | 0.453 | 0.272 | 0.394 | 0.312 |
| | Zk mΩ | Zs mΩ | 23.1 | 22.3 | 23.5 | 22.8 | 24.6 | 23.8 | 19.4 | 18.6 | 2873.8 | 2874 |
| | Ik trifase/monof. kA | Ik1 fase/terra kA | 20 | 20.7 | 19.7 | 20.3 | 18.8 | 19.4 | 23.8 | 24.8 | 7.73 | 7.73 |
| NUMERAZIONE MORSETTIERA | | | | | | | | | | | | |

| | | | | | | | | | |
|--------|------------|---------------------|-------|-----------------------|-----------|-----------|----------|----------------|---------|
| DATA | 07/12/2020 | Ing. Antonio Nastri | | Impianto Fotovoltaico | | | | | |
| DISEG. | | | | | | | | | |
| VISTO | | | | | | | | | |
| REV. | MODIFICA | DATA | FIRMA | APPR. | SOST. IL: | SOST. DA: | ORIGINE: | FOGLIO 7 DI 37 | SEGUE 8 |



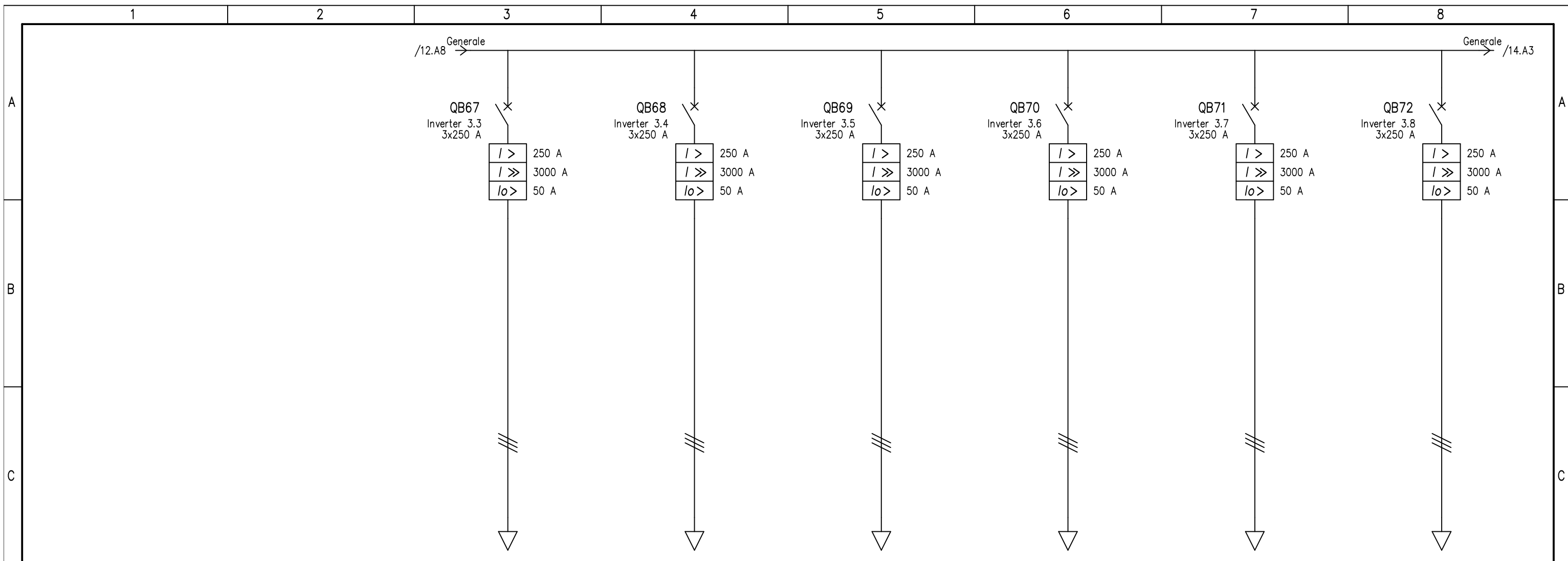
| UTENZA | DENOMINAZIONE | | Inverter 5.4 | | Inverter 5.5 | | Inverter 5.6 | | Inverter 5.7 | | Inverter 5.8 | | Inverter 5.9 | |
|----------------------------|-------------------------|-------------------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|
| | TIPO | POTENZA TOT. kVA | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 |
| | POTENZA kW | Ib A | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 |
| | COEF. CONTEMP. | COS φ | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | MEG | | MEG | | MEG | | MEG | | MEG | | MEG | |
| | TIPO | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | |
| | N.POLI | In A | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 |
| | Ith A | Idn A | TIPO DIFF. | 250 | 0.03 | Sel. | 250 | 0.03 | Sel. | 250 | 0.03 | Sel. | 250 | 0.03 |
| | Im (o curva) A | Pdi kA | 1250 | 150 | 1250 | 150 | 1250 | 150 | 1250 | 150 | 1250 | 150 | 1250 | 150 |
| FUSIBILE | TIPO | | | | | | | | | | | | | |
| | CALIBRO | | A | | A | | A | | A | | A | | A | |
| CONTATTORE | TIPO | | | | | | | | | | | | | |
| | In A | Pn kW | | | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | | | |
| | TARATURA | | A | | A | | A | | A | | A | | A | |
| LINEA DI POTENZA | TIPO CAVO | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | |
| | FORMAZIONE | | 3x(2x185) | | 3x(2x240) | | 3x(1x120) | | 3x(1x185) | | 3x(1x300) | | 3x(1x400) | |
| | LUNGHEZZA | | m | | 155 | | 185 | | 50 | | 75 | | 105 | |
| | Iz A | | 549.1 | | 644.3 | | 251 | | 323 | | 429 | | 500 | |
| | C.d.T. a In % | C.d.T. a Ib % | 0.696 | 0.433 | 0.687 | 0.427 | 0.627 | 0.389 | 0.674 | 0.419 | 0.644 | 0.4 | 0.704 | 0.438 |
| | Zk mΩ | Zs mΩ | 20.4 | 19.7 | 21 | 20.3 | 18.3 | 17.6 | 20 | 19.4 | 21.3 | 20.6 | 23.5 | 22.8 |
| | Ik trifase/monof. kA | Ik1 fase/terra kA | 22.7 | 23.5 | 22 | 22.7 | 25.2 | 26.2 | 23 | 23.9 | 21.7 | 22.4 | 19.7 | 20.3 |
| | NUMERAZIONE MORSETTIERA | | | | | | | | | | | | | |

| | | | |
|--------|------------|---------------------|-----------------------|
| DATA | 07/12/2020 | Ing. Antonio Nastri | Impianto Fotovoltaico |
| DISEG. | | | |
| VISTO | | | |
| REV. | MODIFICA | DATA | FIRMA |
| APPR. | | SOST. IL: | SOST. DA: |
| | | ORIGINE: | |
| | | | FOGLIO 9 DI 37 |
| | | | SEGUE 10 |



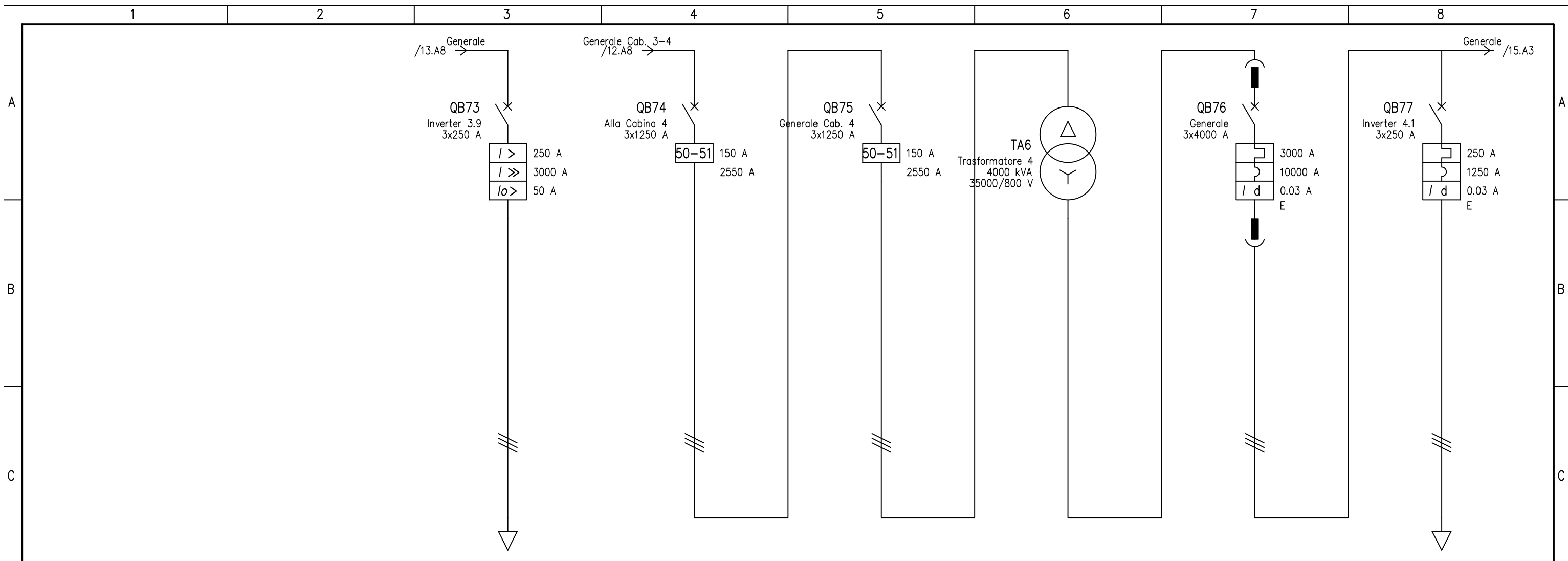
| UTENZA | DENOMINAZIONE | | Inverter 5.10 | | Inverter 5.11 | | Inverter 5.12 | | Inverter 5.13 | | Inverter 5.14 | | Inverter 5.15 | |
|----------------------------|-------------------------|-------------------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|
| | TIPO | POTENZA TOT. kVA | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 |
| | POTENZA kW | lb | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 |
| | COEF. CONTEMP. | COS φ | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | MEG | | MEG | | MEG | | MEG | | MEG | | MEG | |
| | TIPO | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | |
| | N.POLI | In A | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 |
| | lth A | ldn A | TIPO DIFF. | 250 | 0.03 | Sel. | 250 | 0.03 | Sel. | 250 | 0.03 | Sel. | 250 | 0.03 |
| | Im (o curva) A | Pdi kA | 1250 | 150 | 1250 | 150 | 1250 | 150 | 1250 | 150 | 1250 | 150 | 1250 | 150 |
| FUSIBILE | TIPO | | | | | | | | | | | | | |
| | CALIBRO | | | | | | | | | | | | | |
| CONTATTORE | TIPO | | | | | | | | | | | | | |
| | In A | Pn kW | | | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | | | |
| | TARATURA | | | | | | | | | | | | | |
| LINEA DI POTENZA | TIPO CAVO | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | |
| | FORMAZIONE | | 3x(2x240) | | 3x(1x185) | | 3x(1x400) | | 3x(1x400) | | 3x(2x300) | | 3x(1x300) | |
| | LUNGHEZZA | | 185 | | 85 | | 130 | | 135 | | 220 | | 110 | |
| | Iz A | | 644.3 | | 323 | | 500 | | 500 | | 729.3 | | 429 | |
| | C.d.T. a In % | C.d.T. a lb % | 0.687 | 0.427 | 0.761 | 0.475 | 0.679 | 0.422 | 0.704 | 0.438 | 0.674 | 0.419 | 0.674 | 0.419 |
| | Zk mΩ | Zs mΩ | 21 | 20.3 | 21.3 | 20.6 | 23 | 22.3 | 23.5 | 22.8 | 21.8 | 21.1 | 21.8 | 21.1 |
| | Ik trifase/monof. kA | Ik1 fase/terra kA | 22 | 22.7 | 21.7 | 22.4 | 20.1 | 20.7 | 19.7 | 20.3 | 21.2 | 21.9 | 21.2 | 21.9 |
| | NUMERAZIONE MORSETTIERA | | | | | | | | | | | | | |

| | | | |
|--------|------------|---------------------|-----------------------|
| DATA | 07/12/2020 | Ing. Antonio Nastri | Impianto Fotovoltaico |
| DISEG. | | | |
| VISTO | | | |
| REV. | MODIFICA | DATA | FIRMA |
| APPR. | | SOST. IL: | SOST. DA: |
| | | ORIGINE: | |



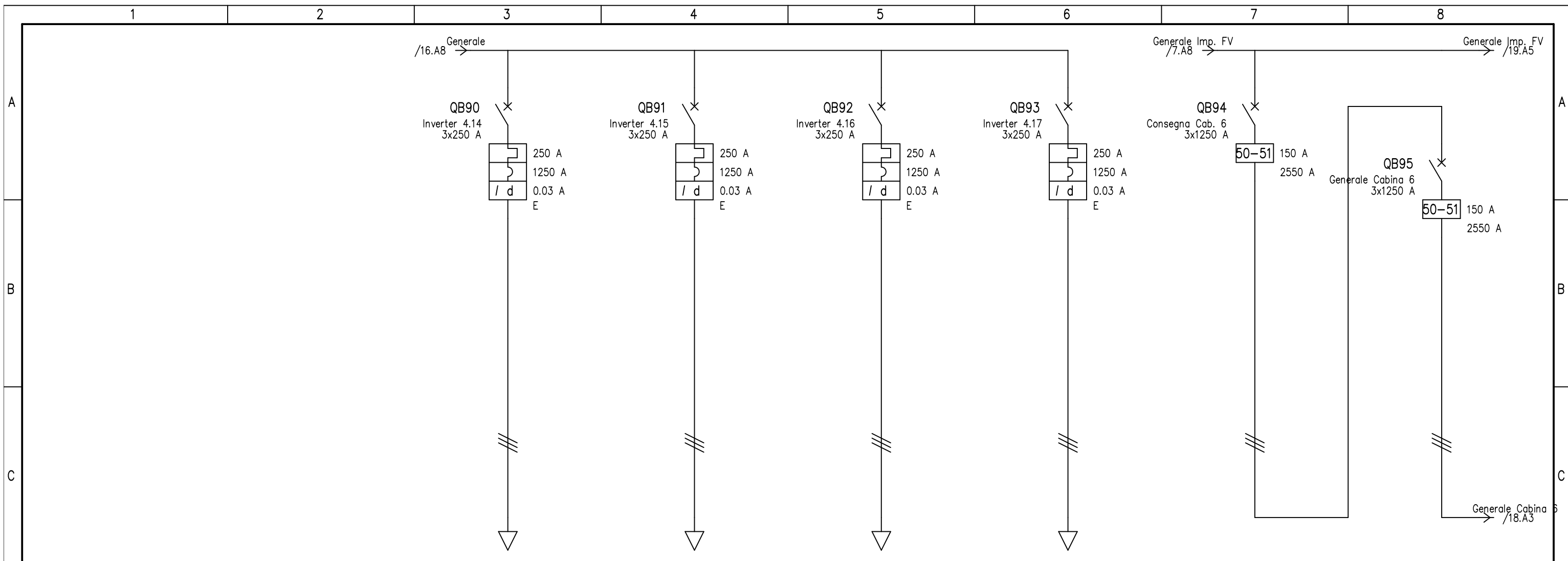
| UTENZA | DENOMINAZIONE | | Inverter 3.3 | | Inverter 3.4 | | Inverter 3.5 | | Inverter 3.6 | | Inverter 3.7 | | Inverter 3.8 | | | |
|----------------------------|-------------------------|-------------------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|------|--|
| | TIPO | POTENZA TOT. kVA | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | | |
| | POTENZA kW | Ib A | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | | |
| | COEF. CONTEMP. | COS φ | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | | |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | ABB | | ABB | | ABB | | ABB | | ABB | | ABB | | | |
| | TIPO | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | | |
| | N.POLI | In A | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | | |
| | Ith A | Idn A | TIPO DIFF. | 250 | 50 | Sel. | 250 | 50 | Sel. | 250 | 50 | Sel. | 250 | 50 | Sel. | |
| | Im (o curva) A | Pdi kA | 1250 | 70 | 1250 | 70 | 1250 | 70 | 1250 | 70 | 1250 | 70 | 1250 | 70 | | |
| FUSIBILE | TIPO | | | | | | | | | | | | | | | |
| | CALIBRO | | A | | A | | A | | A | | A | | A | | | |
| CONTATTORE | TIPO | | | | | | | | | | | | | | | |
| | In A | Pn kW | | | | | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | | | | | |
| | TARATURA | | A | | A | | A | | A | | A | | A | | | |
| LINEA DI POTENZA | TIPO CAVO | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | | |
| | FORMAZIONE | | 3x(1x240) | | 3x(1x300) | | 3x(2x185) | | 3x(1x240) | | 3x(1x400) | | 3x(2x185) | | | |
| | LUNGHEZZA | | m | | 100 | | 130 | | 155 | | 100 | | 135 | | 170 | |
| | Iz A | | 379 | | 429 | | 549.1 | | 379 | | 500 | | 549.1 | | | |
| | C.d.T. a In % | C.d.T. a Ib % | 0.74 | 0.462 | 0.791 | 0.495 | 0.694 | 0.433 | 0.74 | 0.462 | 0.703 | 0.438 | 0.76 | 0.475 | | |
| | Zk mΩ | Zs mΩ | 29.2 | 28.4 | 31.2 | 30.3 | 27.7 | 26.9 | 29.2 | 28.4 | 31 | 30.1 | 28.6 | 27.8 | | |
| | Ik trifase/monof. kA | Ik1 fase/terra kA | 15.8 | 16.3 | 14.8 | 15.3 | 16.6 | 17.2 | 15.8 | 16.3 | 14.9 | 15.4 | 16.1 | 16.6 | | |
| | NUMERAZIONE MORSETTIERA | | | | | | | | | | | | | | | |

| | | | |
|--------|------------|---------------------|-----------------------|
| DATA | 07/12/2020 | Ing. Antonio Nastri | Impianto Fotovoltaico |
| DISEG. | | | |
| VISTO | | | |
| REV. | MODIFICA | DATA | FIRMA |
| APPR. | | SOST. IL: | SOST. DA: |
| | | ORIGINE: | |



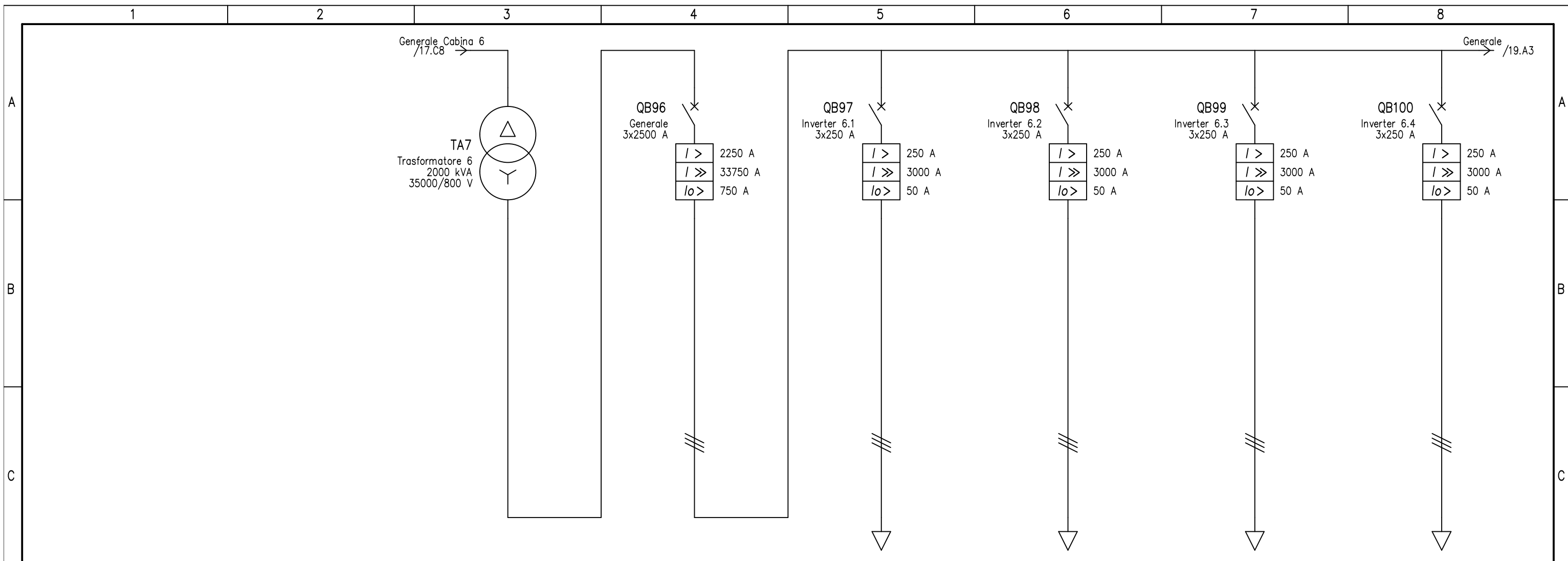
| | | | | | | | | | | | | | |
|----------------------------|----------------------|-------------------|-----------------------------------|-------|-----------------------|--------|-----------------------|--------|-----------------|----------|------------------------------|--------|------|
| UTENZA | DENOMINAZIONE | | | | | | | | | | | | |
| | SIGLA | | Inverter 3.9 | | Alla Cabina 4 | | Generale Cab. 4 | | Trasformatore 4 | | Generale | | |
| | TIPO | POTENZA TOT. kVA | TN-S | 346.4 | Media | 9093.3 | Media | 9093.3 | Media | 4000 kVA | TN-S | 4156.9 | |
| | POTENZA kW | Ib A | 200 | 160.4 | 3372.3 | 62.1 | 3372.3 | 62.1 | 3372.3 | 62.1 | 3400 | 2726.4 | |
| COEF. CONTEMP. | COS φ | 1 | 0.9 | 1 | 0.896 | 1 | 0.896 | 0.99 | 0.896 | 1 | 0.9 | | |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | ABB | | ABB | | ABB | | | | BTI | | |
| | TIPO | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | HAD 36+PR521 51-50 DT | | HAD 36+PR521 51-50 DT | | | | MEGABREAK ML40 Est. + G701/2 | | |
| | N.POLI | In A | 3 | 250 | 3 | 1250 | 3 | 1250 | | | 3 | 4000 | |
| | Ith A | Idn A | TIPO DIFF. | 250 | 50 | Sel. | 150 | | | | 3000 | 0.03 | Sel. |
| Im (o curva) A | Pdi kA | | 1250 | 70 | | 450 | 16 | 450 | 16 | | | 10000 | 100 |
| FUSIBILE | TIPO | | | | | | | | | | | | |
| | CALIBRO | | | | | | | | | | | | |
| CONTATTORE | TIPO | | | | | | | | | | | | |
| | In A | Pn kW | | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | | |
| | TARATURA | | | | | | | | | | | | |
| LINEA DI POTENZA | TIPO CAVO | | FG16R16 0.6/1 kV | | RG7H1R 26/45 kV | | RG7H1R 26/45 kV | | RG7H1R 26/45 kV | | FG16R16 0.6/1 kV | | |
| | FORMAZIONE | | 3x(2x240) | | 3x(1x120) | | 3x(1x120) | | 3x(1x120) | | 3x(8x630) | | |
| | LUNGHEZZA | | m | | 200 | | 145 | | 570 | | 1 | | |
| | Iz A | | 644.3 | | 417.5 | | 417.5 | | 417.5 | | 3096 | | |
| | C.d.T. a In % | C.d.T. a Ib % | 0.74 | 0.462 | 0.526 | 0.012 | 0.637 | 0.046 | 4.65 | 3.54 | 0.029 | 0.026 | |
| | Zk mΩ | Zs mΩ | 29.2 | 28.4 | 2964.3 | | 3007 | | 11.8 | | 11.8 | 11.1 | |
| | Ik trifase/monof. kA | Ik1 fase/terra kA | 15.8 | 16.3 | 7.5 | | 7.39 | | 39.2 | | 39.1 | 41.7 | |
| NUMERAZIONE MORSETTIERA | | | | | | | | | | | | | |

| | | | | | | | | | |
|--------|------------|---------------------|-------|-----------------------|-----------|-----------|----------|-----------------|----------|
| DATA | 07/12/2020 | Ing. Antonio Nastri | | Impianto Fotovoltaico | | | | | |
| DISEG. | | | | | | | | | |
| VISTO | | | | | | | | | |
| REV. | MODIFICA | DATA | FIRMA | APPR. | SOST. IL: | SOST. DA: | ORIGINE: | FOGLIO 14 DI 37 | SEGUE 15 |



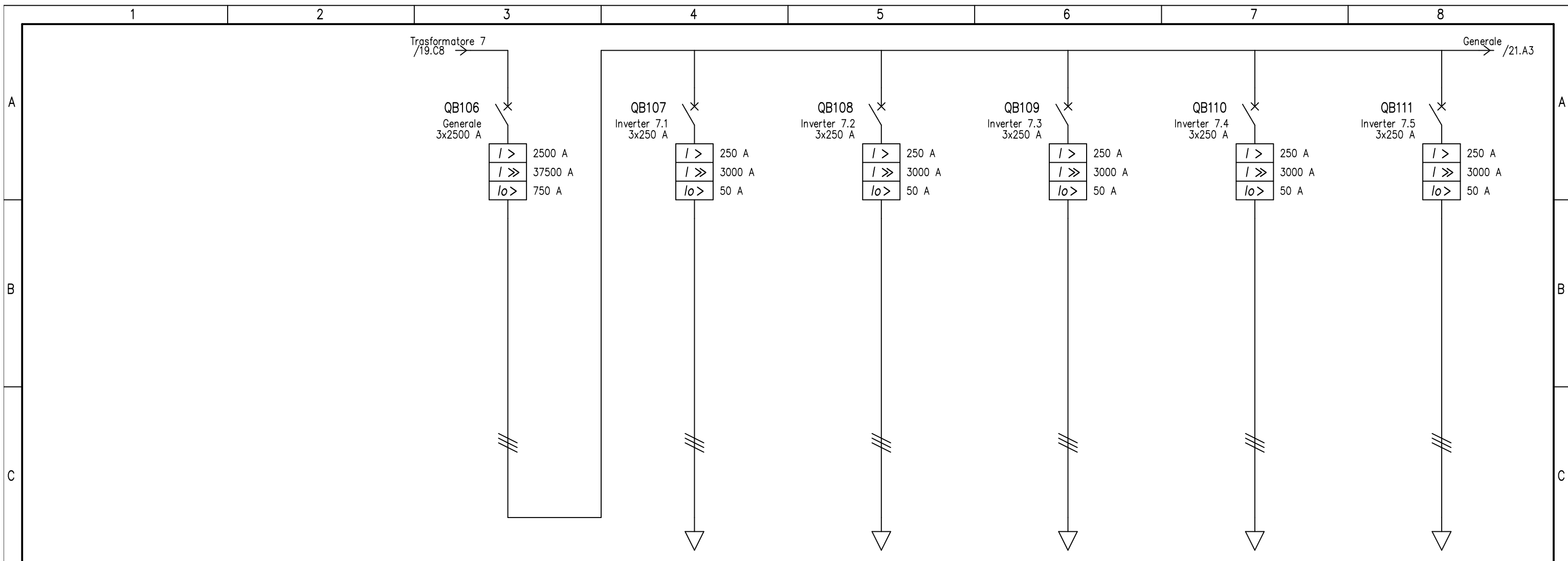
| UTENZA | DENOMINAZIONE | | Inverter 4.14 | | Inverter 4.15 | | Inverter 4.16 | | Inverter 4.17 | | Consegna Cab. 6 | | Generale Cabina 6 | | | |
|----------------------------|-------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|-----------------------|-------|-----------------------|-------|--------|-------|
| | | SIGLA | | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | Media | 9093.3 | Media | 9093.3 | |
| | POTENZA TOT. kVA | | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 1204 | 22.2 | 1204 | 22.2 | | |
| | POTENZA kW | lb | | | | | | | | | | | | | | |
| | COEF. CONTEMP. | COS φ | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.894 | 1 | 0.894 | | |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | MEG | | MEG | | MEG | | MEG | | ABB | | ABB | | | |
| | TIPO | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | HAD 36+PR521 51-50 DT | | HAD 36+PR521 51-50 DT | | | |
| | N.POLI | In | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 1250 | 3 | 1250 | | |
| | Ith | A | Idn | A | TIPO DIFF. | | | | | | | | | | | |
| | Im (o curva) | A | Pdi | kA | 1250 | 150 | 1250 | 150 | 1250 | 150 | 450 | 16 | 450 | 16 | | |
| FUSIBILE | TIPO | | | | | | | | | | | | | | | |
| | CALIBRO | | | | | | | | | | | | | | | |
| CONTATTORE | TIPO | | | | | | | | | | | | | | | |
| | In | A | Pn | kW | | | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | | | | | |
| | TARATURA | | | | | | | | | | | | | | | |
| LINEA DI POTENZA | TIPO CAVO | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | RG7H1R 26/45 kV | | RG7H1R 26/45 kV | | | |
| | FORMAZIONE | | 3x(1x400) | | 3x(2x185) | | 3x(2x240) | | 3x(2x300) | | 3x(1x70) | | 3x(1x70) | | | |
| | LUNGHEZZA | | m | | 135 | | 150 | | 185 | | 235 | | 2420 | | 570 | |
| | Iz | | A | | 500 | | 549.1 | | 644.3 | | 729.3 | | 184 | | 184 | |
| | C.d.T. a In | % | C.d.T. a lb | % | 0.712 | 0.438 | 0.682 | 0.419 | 0.695 | 0.427 | 0.726 | 0.447 | 0.673 | 0.1 | 0.832 | 0.023 |
| | Zk | mΩ | Zs | mΩ | 23.5 | 22.8 | 20.1 | 19.4 | 21.1 | 20.4 | 22.6 | 21.9 | 3029.1 | | 3158.7 | |
| | Ik trifase/monof. kA | | Ik1 fase/terra | kA | 19.6 | 20.3 | 23 | 23.8 | 21.9 | 22.7 | 20.5 | 21.1 | 7.34 | | 7.04 | |
| | NUMERAZIONE MORSETTIERA | | | | | | | | | | | | | | | |

| | | | |
|--------|------------|---------------------|-----------------------|
| DATA | 07/12/2020 | Ing. Antonio Nastri | Impianto Fotovoltaico |
| DISEG. | | | |
| VISTO | | | |
| REV. | MODIFICA | DATA | FIRMA |
| APPR. | | SOST. IL: | SOST. DA: |
| | | ORIGINE: | |



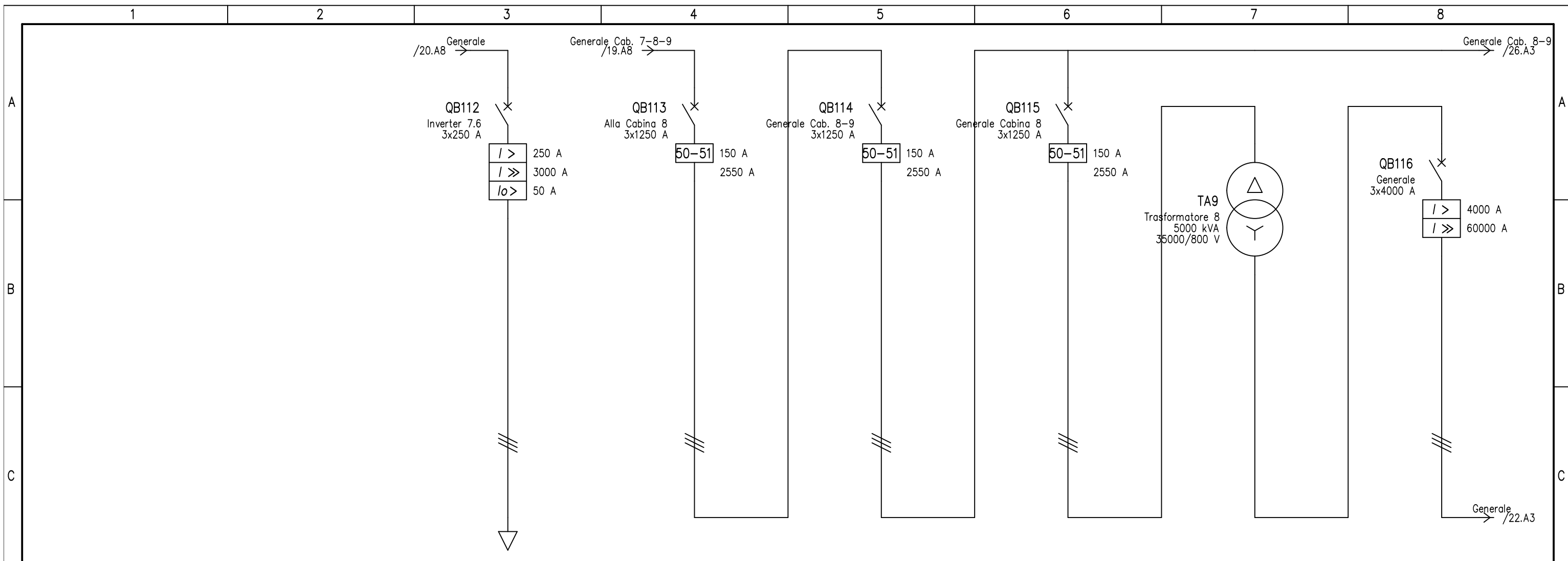
| UTENZA | DENOMINAZIONE | | Trasformatore 6 | | Generale | | Inverter 6.1 | | Inverter 6.2 | | Inverter 6.3 | | Inverter 6.4 | | |
|----------------------------|----------------------|-------------------|---|----------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|----|
| | SIGLA | POTENZA TOT. kVA | Media | 2000 kVA | TN-S | 2200 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | |
| | POTENZA kW | Ib A | 1204 | 22.2 | 1200 | 962.3 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | |
| | COEF. CONTEMP. | COS φ | 1 | 0.894 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | SNR | | ABB | | ABB | | ABB | | ABB | | ABB | | |
| | TIPO | | MTZ2 25 H3 extr (VertRearConn)+MICROLOGIC 6.0X LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | |
| | N.POLI | In A | 3 | 2500 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | |
| | Ith A | Idn A | TIPO DIFF. | | 2250 | 750 | Sel. | 250 | 50 | Sel. | 250 | 50 | Sel. | 250 | 50 |
| | Im (o curva) A | Pdi kA | | 22500 | 100 | | 1250 | 70 | | 1250 | 70 | | 1250 | 70 | |
| FUSIBILE | TIPO | | | | | | | | | | | | | | |
| | CALIBRO | | A | | | | | | | | | | | | |
| CONTATTORE | TIPO | | | | | | | | | | | | | | |
| | In A | Pn kW | | | | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | | | | |
| | TARATURA | | A | | | | | | | | | | | | |
| LINEA DI POTENZA | TIPO CAVO | | RG7H1R 26/45 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | |
| | FORMAZIONE | | 3x(1x70) | | 3x(8x630) | | 3x(1x120) | | 3x(1x240) | | 3x(2x185) | | 3x(2x185) | | |
| | LUNGHEZZA | | m | | 1 | | 5 | | 45 | | 90 | | 150 | | |
| | Iz A | | 184 | | 3096 | | 251 | | 379 | | 549.1 | | 549.1 | | |
| | C.d.T. a In % | C.d.T. a Ib % | 4.64 | 2.37 | 0.015 | 0.009 | 0.56 | 0.35 | 0.663 | 0.416 | 0.668 | 0.419 | 0.668 | 0.419 | |
| | Zk mΩ | Zs mΩ | 19.2 | | 19.3 | 18.4 | 25.1 | 24.1 | 28.3 | 27.4 | 27.6 | 26.7 | 27.6 | 26.7 | |
| | Ik trifase/monof. kA | Ik1 fase/terra kA | 24 | | 23.9 | 25.2 | 18.4 | 19.1 | 16.3 | 16.9 | 16.7 | 17.3 | 16.7 | 17.3 | |
| NUMERAZIONE MORSETTIERA | | | | | | | | | | | | | | | |

| | | | | | | | | |
|--------|------------|---------------------|-------|-----------------------|-----------|-----------|----------|-----------------------------|
| DATA | 07/12/2020 | Ing. Antonio Nastri | | Impianto Fotovoltaico | | | | |
| DISEG. | | | | | | | | |
| VISTO | | | | | | | | |
| REV. | MODIFICA | DATA | FIRMA | APPR. | SOST. IL: | SOST. DA: | ORIGINE: | Foglio 18 Di 37 Segue 19 |

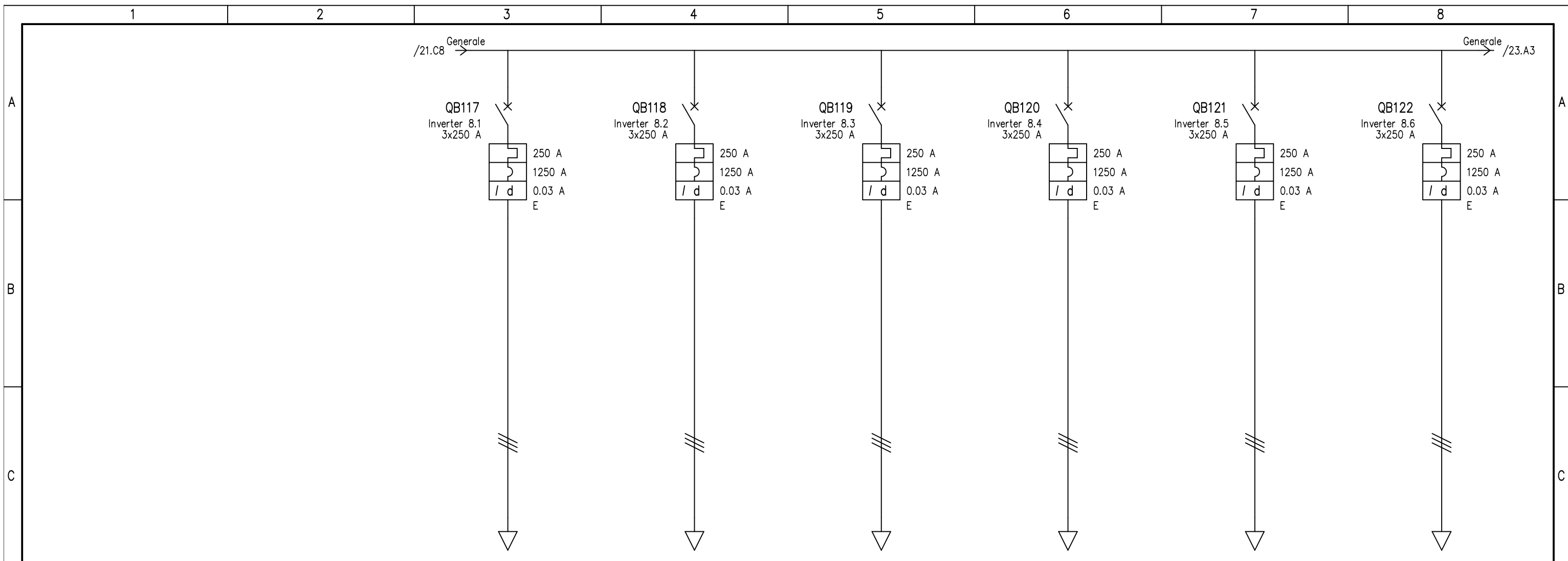


| UTENZA | DENOMINAZIONE | | Generale | | Inverter 7.1 | | Inverter 7.2 | | Inverter 7.3 | | Inverter 7.4 | | Inverter 7.5 | |
|----------------------------|-------------------------|-------------------|---|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|
| | TIPO | POTENZA TOT. kVA | TN-S | 2200 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 |
| | POTENZA kW | Ib A | 1200 | 962.3 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 |
| | COEF. CONTEMP. | COS φ | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | SNR | | ABB | | ABB | | ABB | | ABB | | ABB | |
| | TIPO | | MTZ2 25 H3 extr (VertRearConn)+MICROLOGIC 6.0X LSiG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSiG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSiG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSiG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSiG | | Tmax T4 H+Tmax T4 PR222DS/PD-LSiG | |
| | N.POLI | In A | 3 | 2500 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 |
| | Ith A | I _{dn} A | TIPO DIFF. | 2500 | 750 | Sel. | 250 | 50 | Sel. | 250 | 50 | Sel. | 250 | 50 |
| | Im (o curva) A | Pdi kA | 25000 | 100 | 1250 | 70 | 1250 | 70 | 1250 | 70 | 1250 | 70 | 1250 | 70 |
| FUSIBILE | TIPO | | | | | | | | | | | | | |
| | CALIBRO | | A | | | | | | | | | | | |
| CONTATTORE | TIPO | | | | | | | | | | | | | |
| | In A | Pn kW | | | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | | | |
| | TARATURA | | A | | | | | | | | | | | |
| LINEA DI POTENZA | TIPO CAVO | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | |
| | FORMAZIONE | | 3x(9x630) | | 3x(1x120) | | 3x(1x185) | | 3x(2x185) | | 3x(1x185) | | 3x(1x300) | |
| | LUNGHEZZA | | m | | 30 | | 85 | | 165 | | 75 | | 125 | |
| | Iz A | | 3483 | | 251 | | 323 | | 549.1 | | 323 | | 429 | |
| | C.d.T. a In % | C.d.T. a Ib % | 0.013 | 0.008 | 0.377 | 0.233 | 0.754 | 0.475 | 0.732 | 0.461 | 0.667 | 0.419 | 0.755 | 0.476 |
| | Zk mΩ | Zs mΩ | 19.2 | 18.3 | 22.8 | 21.9 | 28.6 | 27.7 | 28.3 | 27.4 | 27.4 | 26.5 | 30.7 | 29.8 |
| | Ik trifase/monof. kA | Ik1 fase/terra kA | 24.1 | 25.3 | 20.2 | 21.1 | 16.2 | 16.7 | 16.3 | 16.8 | 16.9 | 17.4 | 15.1 | 15.5 |
| | NUMERAZIONE MORSETTIERA | | | | | | | | | | | | | |

| | | | |
|--------|------------|---------------------|-----------------------|
| DATA | 07/12/2020 | Ing. Antonio Nastri | Impianto Fotovoltaico |
| DISEG. | | | |
| VISTO | | | |
| REV. | MODIFICA | DATA | FIRMA |
| APPR. | | SOST. IL: | SOST. DA: |
| | | ORIGINE: | |

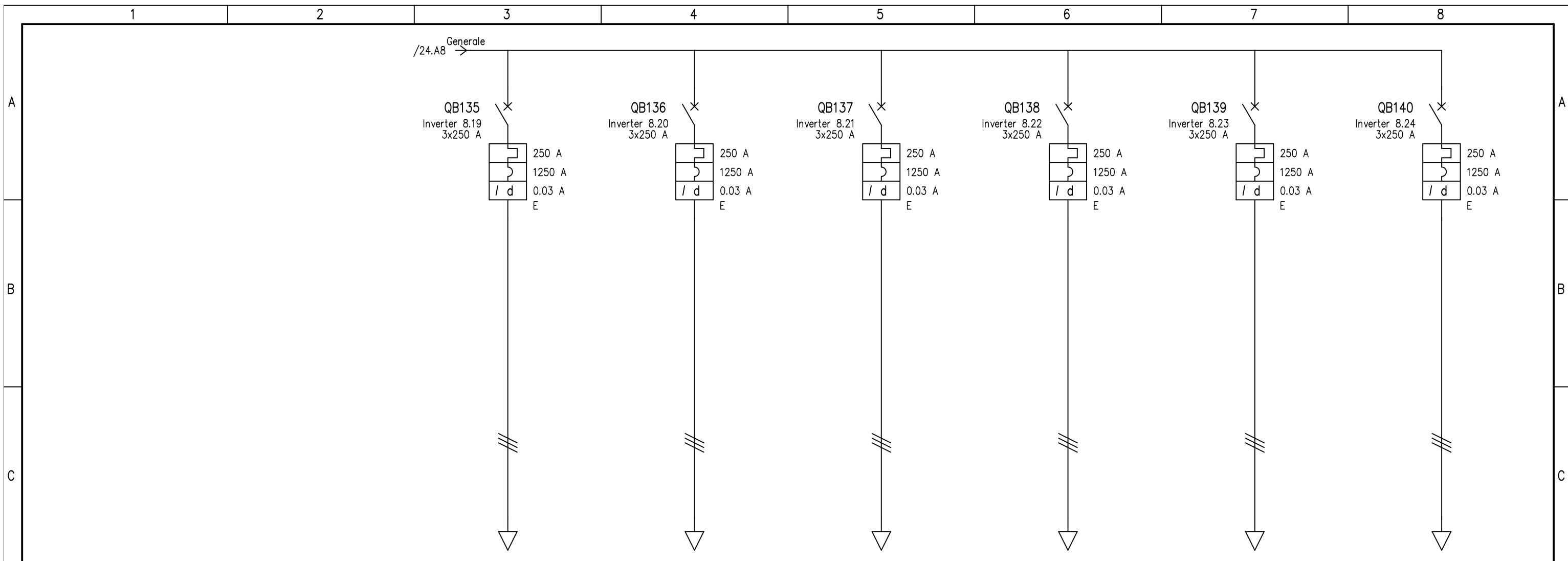


| | | | | | | | | | | | | | | | | | |
|---|----------------------------|-------------------------|----------|-----------------------------------|--------|-----------------------|-----------|-----------------------|----------|-----------------------|------|-----------------------|------|---------------------------|------|------|--|
| D | UTENZA | DENOMINAZIONE | | Inverter 7.6 | | Alla Cabina 8 | | Generale Cab. 8-9 | | Generale Cabina 8 | | Trasformatore 8 | | Generale | | | |
| | | SIGLA | | TN-S | | Media | | Media | | Media | | Media | | TN-S | | | |
| | | POTENZA TOT. kVA | 346.4 | 9093.3 | 9093.3 | 9093.3 | 5000 kVA | 5542.6 | | | | | | | | | |
| | | POTENZA kW | 200 | 5851.1 | 5851.1 | 4247.1 | 4247.1 | 4560 | | | | | | | | | |
| E | INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | ABB | | ABB | | ABB | | ABB | | ABB | | ABB | | | |
| | | TIPO | | Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | HAD 36+PR521 51-50 DT | | HAD 36+PR521 51-50 DT | | HAD 36+PR521 51-50 DT | | HAD 36+PR521 51-50 DT | | E6.2X 4000 EkipTouch LI B | | | |
| | | N.POLI | In | 3 | 250 | 3 | 1250 | 3 | 1250 | 3 | 1250 | 3 | 1250 | 3 | 4000 | | |
| | | lth | Idn | TIPO DIFF. | 250 | 50 | Sel. | 150 | | 150 | | 150 | | 150 | | 4000 | |
| F | LINEA DI POTENZA | TIPO | | FG16R16 0.6/1 kV | | RG7H1R 26/45 kV | | RG7H1R 26/45 kV | | RG7H1R 26/45 kV | | RG7H1R 26/45 kV | | FG16R16 0.6/1 kV | | | |
| | | FORMAZIONE | | 3x(2x185) | | 3x(1x120) | | 3x(1x120) | | 3x(1x120) | | 3x(1x150) | | 3x(14x630) | | | |
| | | LUNGHEZZA | | 155 | | 290 | | 1 | | 570 | | 1 | | 5 | | | |
| | | l _z | A | 549.1 | 417.5 | 417.5 | 417.5 | 484 | 5418 | | | | | | | | |
| F | RELE' TERMICO | TIPO | | | | | | | | | | | | | | | |
| | | TARATURA | | A | | | | | | | | | | | | | |
| | | C.d.T. a In % | | C.d.T. a lb % | | 0.688 | | 0.433 | | 0.507 | | 0.04 | | 0.507 | | 0 | |
| | | Zk mΩ | | Zs mΩ | | 27.7 | | 26.8 | | 2926.5 | | 2926.6 | | 3049 | | 47.4 | |
| F | FUSIBILE | TIPO | | | | | | | | | | | | | | | |
| | | CALIBRO | | A | | | | | | | | | | | | | |
| | | TIPO | | | | | | | | | | | | | | | |
| | | In | Pn | | | | | | | | | | | | | | |
| F | CONTATTORE | TIPO | | | | | | | | | | | | | | | |
| | | In | | A | | Pn | | kW | | | | | | | | | |
| | | TIPO | | | | | | | | | | | | | | | |
| | | In | | A | | Pn | | kW | | | | | | | | | |
| F | RELE' TERMICO | TIPO | | | | | | | | | | | | | | | |
| | | TARATURA | | A | | | | | | | | | | | | | |
| | | C.d.T. a In % | | C.d.T. a lb % | | 0.688 | | 0.433 | | 0.507 | | 0.04 | | 0.507 | | 0 | |
| | | Zk mΩ | | Zs mΩ | | 27.7 | | 26.8 | | 2926.5 | | 2926.6 | | 3049 | | 47.4 | |
| F | LINEA DI POTENZA | TIPO CAVO | | FG16R16 0.6/1 kV | | RG7H1R 26/45 kV | | RG7H1R 26/45 kV | | RG7H1R 26/45 kV | | RG7H1R 26/45 kV | | FG16R16 0.6/1 kV | | | |
| | | FORMAZIONE | | 3x(2x185) | | 3x(1x120) | | 3x(1x120) | | 3x(1x120) | | 3x(1x150) | | 3x(14x630) | | | |
| | | LUNGHEZZA | | 155 | | 290 | | 1 | | 570 | | 1 | | 5 | | | |
| | | l _z | A | 549.1 | 417.5 | 417.5 | 417.5 | 484 | 5418 | | | | | | | | |
| F | RELE' TERMICO | C.d.T. a In % | | C.d.T. a lb % | | 0.688 | | 0.433 | | 0.507 | | 0.04 | | 0.507 | | 0 | |
| | | Zk mΩ | | Zs mΩ | | 27.7 | | 26.8 | | 2926.5 | | 2926.6 | | 3049 | | 47.4 | |
| | | Ik trifase/monof. kA | | Ik1 fase/terra kA | | 16.7 | | 17.2 | | 7.6 | | 7.6 | | 7.29 | | 47.4 | |
| | | NUMERAZIONE MORSETTIERA | | | | | | | | | | | | | | | |
| F | RELE' TERMICO | DATA | | 07/12/2020 | | Ing. Antonio Nastri | | Impianto Fotovoltaico | | | | | | | | | |
| | | DISEG. | | | | | | | | | | | | | | | |
| | | VISTO | | | | | | | | | | | | | | | |
| | | REV. | MODIFICA | DATA | FIRMA | APPR. | SOST. IL: | SOST. DA: | ORIGINE: | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | FOGLIO 21 DI 37 | | SEGUE 22 | | | | | | | |



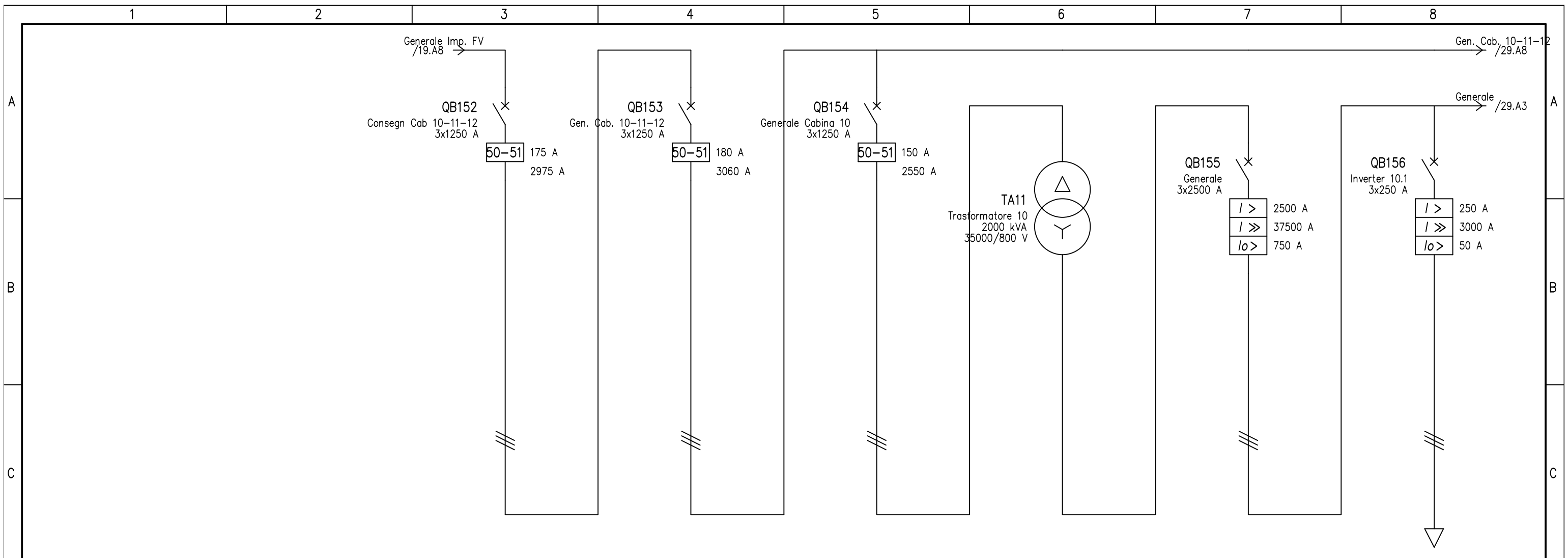
| UTENZA | DENOMINAZIONE | | Inverter 8.1 | | Inverter 8.2 | | Inverter 8.3 | | Inverter 8.4 | | Inverter 8.5 | | Inverter 8.6 | |
|----------------------------|----------------------|-------------------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|
| | TIPO | POTENZA TOT. kVA | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 |
| | POTENZA kW | lb A | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 |
| | COEF. CONTEMP. | COS φ | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | MEG | | MEG | | MEG | | MEG | | MEG | | MEG | |
| | TIPO | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | |
| | N.POLI | In A | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 |
| | Ith A | Idn A | TIPO DIFF. | 250 | 0.03 | Sel. | 250 | 0.03 | Sel. | 250 | 0.03 | Sel. | 250 | 0.03 |
| | Im (o curva) A | Pdi kA | 1250 | 150 | 1250 | 150 | 1250 | 150 | 1250 | 150 | 1250 | 150 | 1250 | 150 |
| FUSIBILE | TIPO | | | | | | | | | | | | | |
| | CALIBRO | | | | | | | | | | | | | |
| CONTATTORE | TIPO | | | | | | | | | | | | | |
| | In A | Pn kW | | | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | | | |
| | TARATURA | | | | | | | | | | | | | |
| LINEA DI POTENZA | TIPO CAVO | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | |
| | FORMAZIONE | | 3x(1x120) | | 3x(1x185) | | 3x(1x185) | | 3x(1x240) | | 3x(1x400) | | 3x(2x185) | |
| | LUNGHEZZA | | 60 | | 75 | | 85 | | 100 | | 130 | | 145 | |
| | Iz A | | 251 | | 323 | | 323 | | 379 | | 500 | | 549.1 | |
| | C.d.T. a ln % | C.d.T. a lb % | 0.749 | 0.466 | 0.675 | 0.419 | 0.762 | 0.475 | 0.742 | 0.462 | 0.68 | 0.422 | 0.653 | 0.405 |
| | Zk mΩ | Zs mΩ | 18.1 | 17.5 | 18.2 | 17.5 | 19.4 | 18.8 | 20 | 19.3 | 21.1 | 20.4 | 17.9 | 17.2 |
| | Ik trifase/monof. kA | Ik1 fase/terra kA | 25.5 | 26.5 | 25.4 | 26.3 | 23.8 | 24.6 | 23.1 | 24 | 21.9 | 22.7 | 25.8 | 26.8 |
| NUMERAZIONE MORSETTIERA | | | | | | | | | | | | | | |

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|--------|------------|---------------------|-----------------------|
| DATA | 07/12/2020 | Ing. Antonio Nastri | Impianto Fotovoltaico |
| DISEG. | | | |
| VISTO | | | |
| REV. | MODIFICA | DATA | FIRMA |
| APPR. | | SOST. IL: | SOST. DA: |
| | | ORIGINE: | |



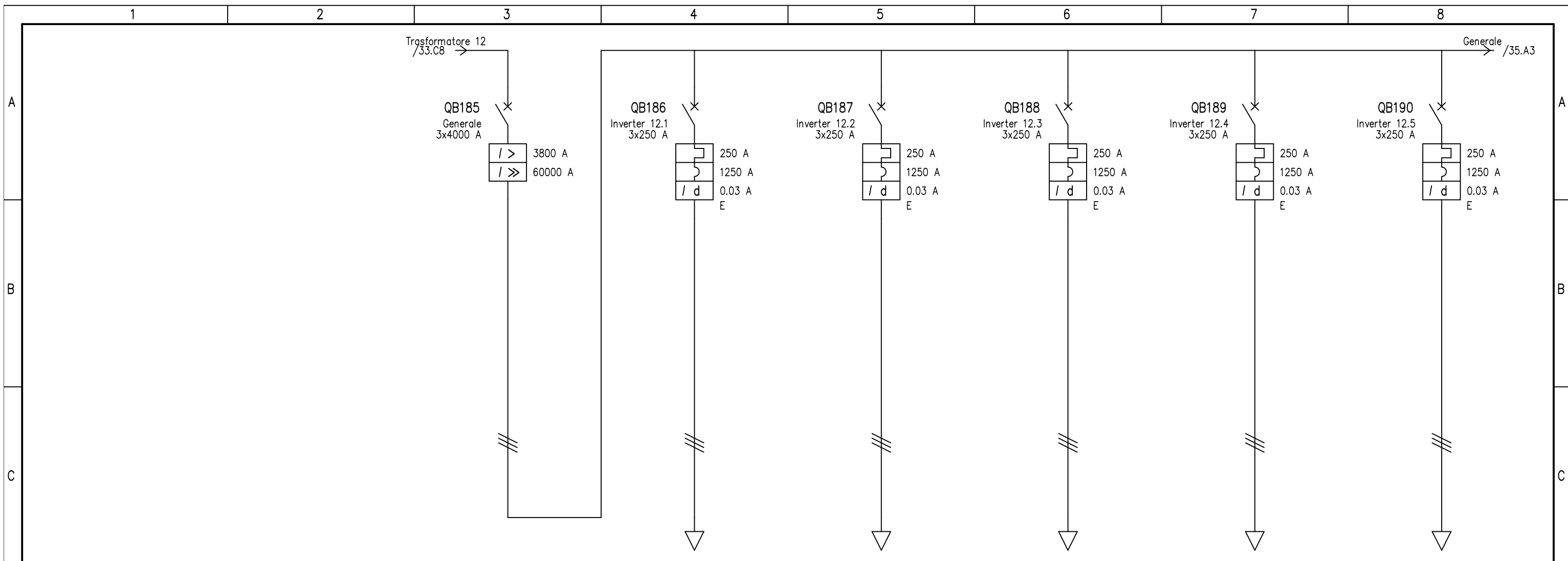
| UTENZA | DENOMINAZIONE | | Inverter 8.19 | | Inverter 8.20 | | Inverter 8.21 | | Inverter 8.22 | | Inverter 8.23 | | Inverter 8.24 | |
|----------------------------|----------------------|-------------------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|
| | SIGLA | POTENZA TOT. kVA | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 |
| | POTENZA kW | lb A | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 |
| | COEF. CONTEMP. | COS φ | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | MEG | | MEG | | MEG | | MEG | | MEG | | MEG | |
| | TIPO | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | |
| | N.POLI | In A | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 |
| | lth A | ldn A | TIPO DIFF. | 250 | 0.03 | Sel. | 250 | 0.03 | Sel. | 250 | 0.03 | Sel. | 250 | 0.03 |
| | Im (o curva) A | Pdi kA | 1250 | 150 | 1250 | 150 | 1250 | 150 | 1250 | 150 | 1250 | 150 | 1250 | 150 |
| FUSIBILE | TIPO | | | | | | | | | | | | | |
| | CALIBRO | | A | | A | | A | | A | | A | | A | |
| CONTATTORE | TIPO | | | | | | | | | | | | | |
| | In A | Pn kW | | | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | | | |
| | TARATURA | | A | | A | | A | | A | | A | | A | |
| LINEA DI POTENZA | TIPO CAVO | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | |
| | FORMAZIONE | | 3x(3x300) | | 3x(3x300) | | 3x(3x400) | | 3x(3x400) | | 3x(4x300) | | 3x(4x300) | |
| | LUNGHEZZA | | m | | 370 | | 385 | | 395 | | 420 | | 485 | |
| | Iz A | | 965.3 | | 965.3 | | 1125 | | 1125 | | 1201.2 | | 1201.2 | |
| | C.d.T. a In % | C.d.T. a lb % | 0.754 | 0.47 | 0.784 | 0.489 | 0.688 | 0.427 | 0.73 | 0.454 | 0.697 | 0.433 | 0.741 | 0.462 |
| | Zk mΩ | Zs mΩ | 21.2 | 20.5 | 21.7 | 21 | 21.2 | 20.5 | 22 | 21.3 | 20.2 | 19.6 | 21 | 20.3 |
| | Ik trifase/monof. kA | Ik1 fase/terra kA | 21.8 | 22.5 | 21.3 | 22 | 21.8 | 22.5 | 21 | 21.7 | 22.8 | 23.6 | 22 | 22.8 |
| NUMERAZIONE MORSETTIERA | | | | | | | | | | | | | | |

| | | | |
|--------|------------|---------------------|-----------------------|
| DATA | 07/12/2020 | Ing. Antonio Nastri | Impianto Fotovoltaico |
| DISEG. | | | |
| VISTO | | | |
| REV. | MODIFICA | DATA | FIRMA |
| APPR. | | SOST. IL: | SOST. DA: |
| | | ORIGINE: | |



| | | | | | | | | | | | | | |
|----------------------------|----------------------------------|-------------------------------|-----------------------|---------|-----------------------|---------|-----------------------|--------|------------------|----------|--|-------|------|
| UTENZA | DENOMINAZIONE | | | | | | | | | | | | |
| | SIGLA | | Consegn Cab 10-11-12 | | Gen. Cab. 10-11-12 | | Generale Cabina 10 | | Trasformatore 10 | | Generale | | |
| | TIPO | POTENZA TOT. kVA | Media | 10608.8 | Media | 10608.8 | Media | 9093.3 | Media | 2000 kVA | TN-S | 2200 | |
| | POTENZA kW | Ib A | 8106.6 | 149.3 | 8106.6 | 149.3 | 1204 | 22.2 | 1204 | 22.2 | 1200 | 962.3 | |
| COEF. CONTEMP. | COS φ | 1 | 0.896 | 1 | 0.896 | 1 | 0.894 | 1 | 0.894 | 1 | 0.9 | | |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | ABB | | ABB | | ABB | | SNR | | ABB | | |
| | TIPO | | HAD 36+PR521 51-50 DT | | HAD 36+PR521 51-50 DT | | HAD 36+PR521 51-50 DT | | | | MT22 25 H3 extr (VertRearConn)+MICROLOGIC 6.0X LSG Tmax T4 H+Tmax T4 PR222DS/PD-LSIG | | |
| | N.POLI | In A | 3 | 1250 | 3 | 1250 | 3 | 1250 | | | 3 | 2500 | |
| | Ith A | I _{dn} A | TIPO DIFF. | 175 | | 180 | | 150 | | | 2500 | 750 | Sel. |
| | I _m (o curva) A | P _{di} kA | | 525 | 16 | 540 | 16 | 450 | 16 | | 25000 | 100 | 1250 |
| FUSIBILE | TIPO | | | | | | | | | | | | |
| CONTATTORE | TIPO | | | | | | | | | | | | |
| | In A | P _n kW | | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | | |
| LINEA DI POTENZA | TIPO CAVO | | RG7H1R 26/45 kV | | RG7H1R 26/45 kV | | RG7H1R 26/45 kV | | RG7H1R 26/45 kV | | FG16R16 0.6/1 kV | | |
| | FORMAZIONE | | 3x(1x150) | | 3x(1x150) | | 3x(1x120) | | 3x(1x120) | | 3x(9x630) | | |
| | LUNGHEZZA | | 3110 | | 1 | | 570 | | 1 | | 5 | | |
| | Iz A | | 484 | | 484 | | 417.5 | | 417.5 | | 3483 | | |
| | C.d.T. a In % | C.d.T. a Ib % | 0.616 | 0.526 | 0.617 | 0 | 0.728 | 0.016 | 4.54 | 2.37 | 0.013 | 0.008 | |
| | Zk mΩ | Zs mΩ | 3140 | | 3140.2 | | 3218.2 | | 19.3 | | 19.3 | 18.4 | |
| | I _k trifase/monof. kA | I _{k1} fase/terra kA | 7.08 | | 7.08 | | 6.91 | | 23.9 | | 23.9 | 25.1 | |
| | NUMERAZIONE MORSETTIERA | | | | | | | | | | | | |

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|--------|------------|---------------------|-------|-----------------------|-----------|-----------|----------|-----------------|----------|
| DATA | 07/12/2020 | Ing. Antonio Nastri | | Impianto Fotovoltaico | | | | | |
| DISEG. | | | | | | | | | |
| VISTO | | | | | | | | | |
| REV. | MODIFICA | DATA | FIRMA | APPR. | SOST. IL: | SOST. DA: | ORIGINE: | FOGLIO 28 DI 37 | SEGUE 29 |



| UTENZA | DENOMINAZIONE | | Generale | | Inverter 12.1 | | Inverter 12.2 | | Inverter 12.3 | | Inverter 12.4 | | Inverter 12.5 | | | |
|----------------------------|----------------------|-------------------|-----------------------|--------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|-------|-----|------|
| | TIPO | POTENZA TOT. kVA | TN-S | 5265.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | TN-S | 346.4 | | |
| | POTENZA kW | lb A | 4600 | 3688.6 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | 200 | 160.4 | | |
| | COEF. CONTEMP. | COS φ | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | 1 | 0.9 | | |
| INTERRUTTORE O SEZIONATORE | COSTRUTTORE | | ABB | | MEG | | MEG | | MEG | | MEG | | MEG | | | |
| | TIPO | | E6.2X 4000 EkipDip LI | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | Vigicompact NS250L TM250D MH | | | |
| | N.POLI | ln A | 3 | 4000 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | 3 | 250 | | |
| | lth A | ldn A | TIPO DIFF. | 3800 | | 250 | 0.03 | Sel. | 250 | 0.03 | Sel. | 250 | 0.03 | Sel. | 250 | 0.03 |
| | Im (o curva) A | Pdi kA | 60000 | 120 | 1250 | 150 | 1250 | 150 | 1250 | 150 | 1250 | 150 | 1250 | 150 | | |
| FUSIBILE | TIPO | | | | | | | | | | | | | | | |
| | CALIBRO | | A | | | | | | | | | | | | | |
| CONTATTORE | TIPO | | | | | | | | | | | | | | | |
| | ln A | Pn kW | | | | | | | | | | | | | | |
| RELE' TERMICO | TIPO | | | | | | | | | | | | | | | |
| | TARATURA | | A | | | | | | | | | | | | | |
| LINEA DI POTENZA | TIPO CAVO | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | FG16R16 0.6/1 kV | | | |
| | FORMAZIONE | | 3x(10x630) | | 3x(1x120) | | 3x(1x185) | | 3x(1x240) | | 3x(1x300) | | 3x(1x400) | | | |
| | LUNGHEZZA | | m | | 5 | | 40 | | 80 | | 90 | | 115 | | 140 | |
| | Iz A | | 3870 | | 251 | | 323 | | 379 | | 429 | | 500 | | | |
| | C.d.T. a ln % | C.d.T. a lb % | 0.029 | 0.028 | 0.514 | 0.311 | 0.726 | 0.447 | 0.677 | 0.416 | 0.712 | 0.438 | 0.737 | 0.454 | | |
| | Zk mΩ | Zs mΩ | 10.1 | 9.25 | 15.2 | 14.5 | 19.1 | 18.4 | 19.2 | 18.4 | 20.7 | 19.9 | 22.3 | 21.5 | | |
| | Ik trifase/monof. kA | Ik1 fase/terra kA | 45.9 | 49.9 | 30.3 | 31.9 | 24.2 | 25.2 | 24.1 | 25.1 | 22.4 | 23.2 | 20.7 | 21.5 | | |
| NUMERAZIONE MORSETTIERA | | | | | | | | | | | | | | | | |

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|--------|------------|---------------------|-------|-----------------------|-----------|-----------|----------|-----------------------------|
| DATA | 07/12/2020 | Ing. Antonio Nastri | | Impianto Fotovoltaico | | | | |
| DISEG. | | | | | | | | |
| VISTO | | | | | | | | |
| REV. | MODIFICA | DATA | FIRMA | APPR. | SOST. IL: | SOST. DA: | ORIGINE: | FOGLIO 34 DI 37 SEGUE 35 |

