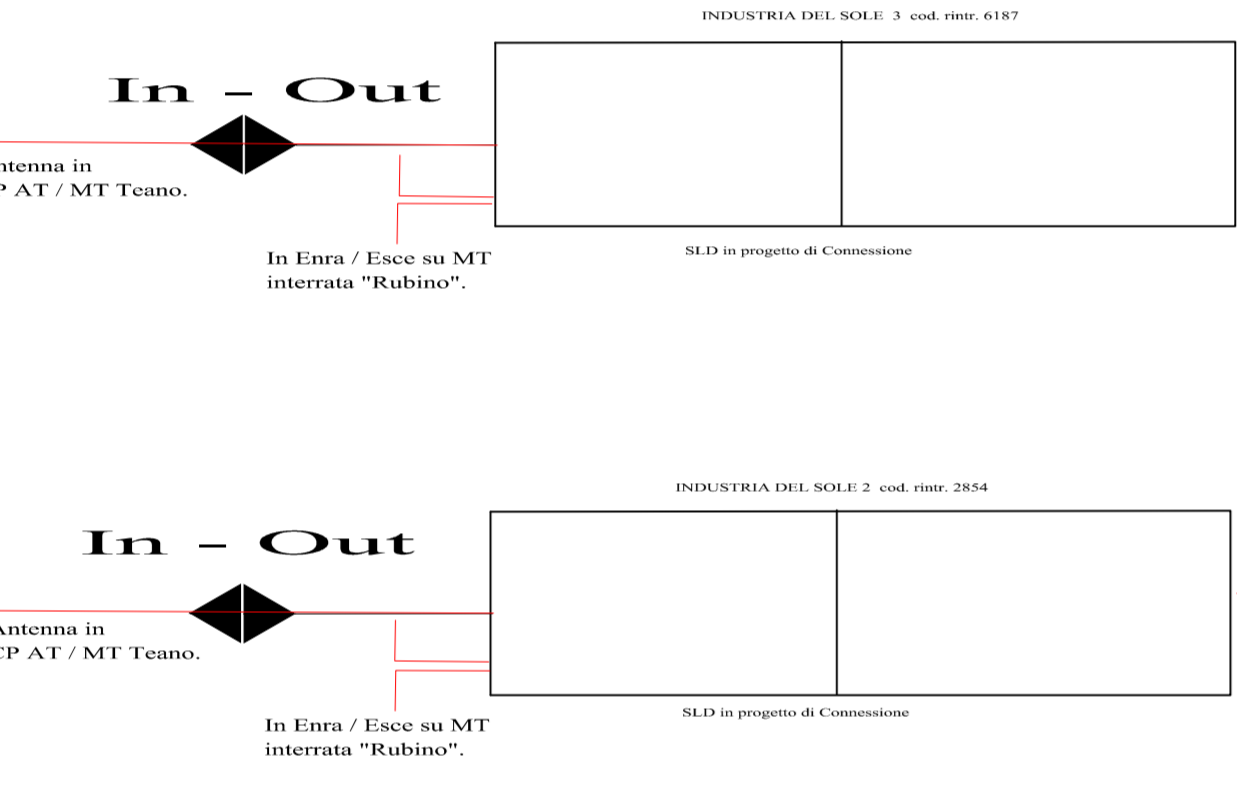
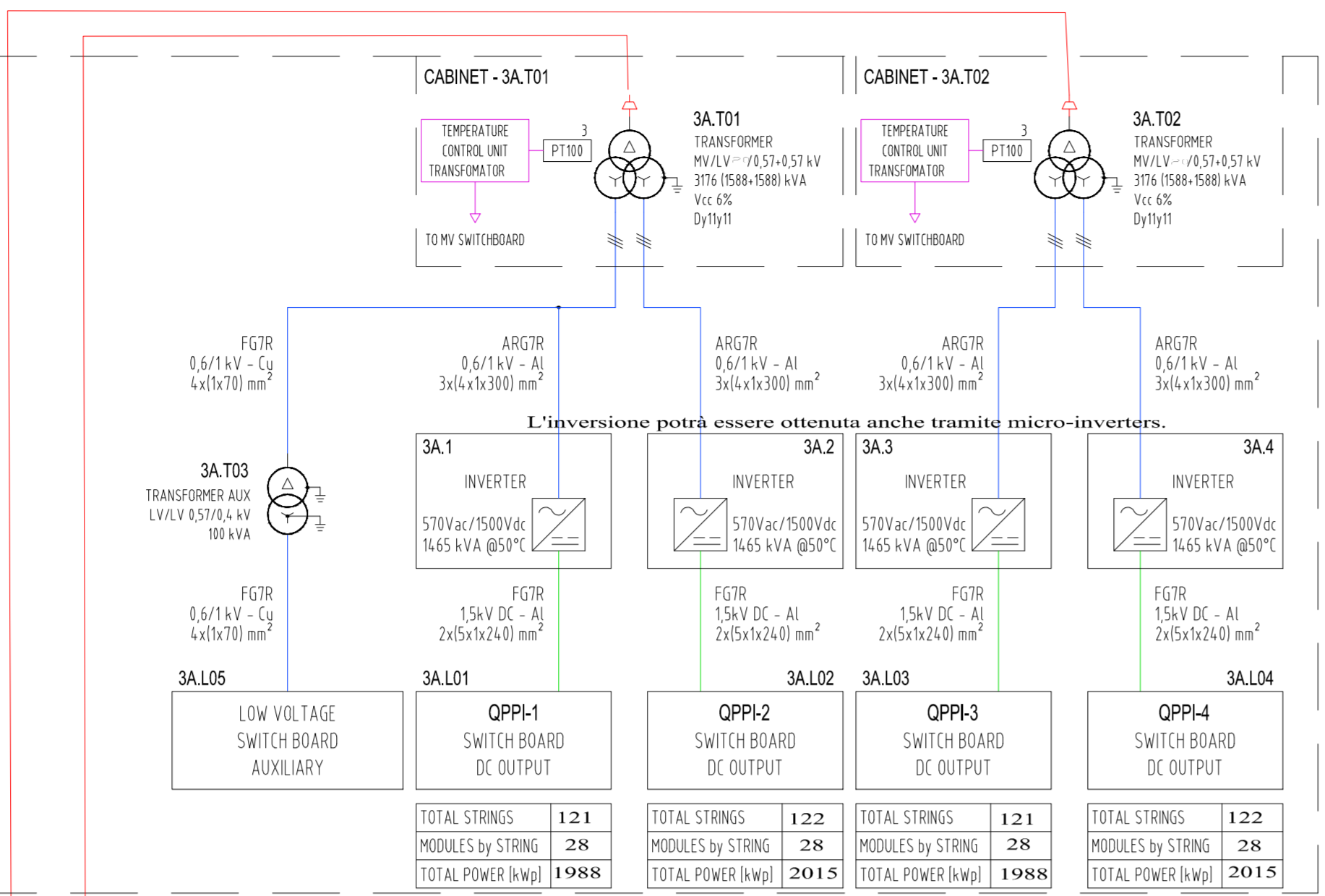
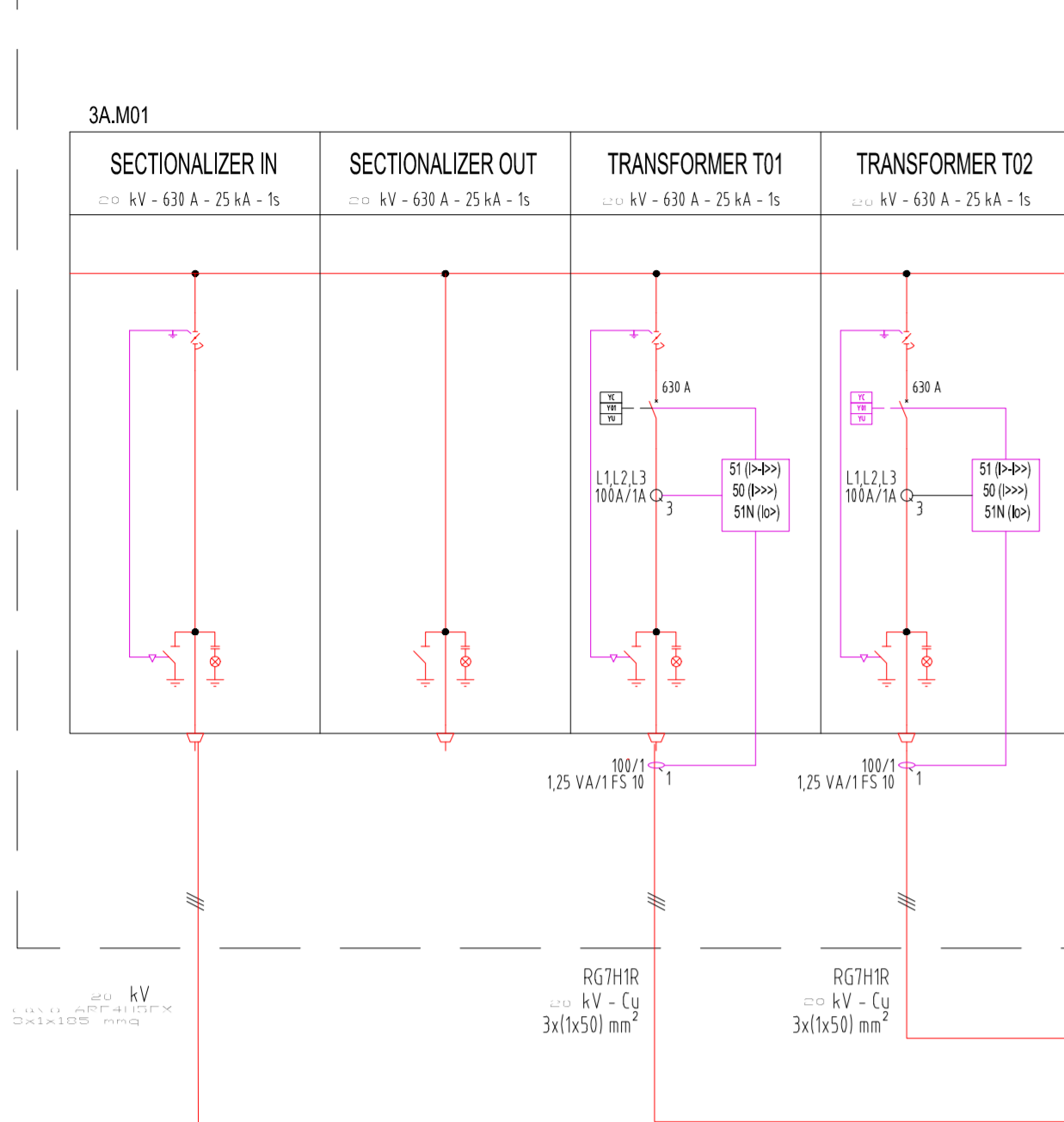
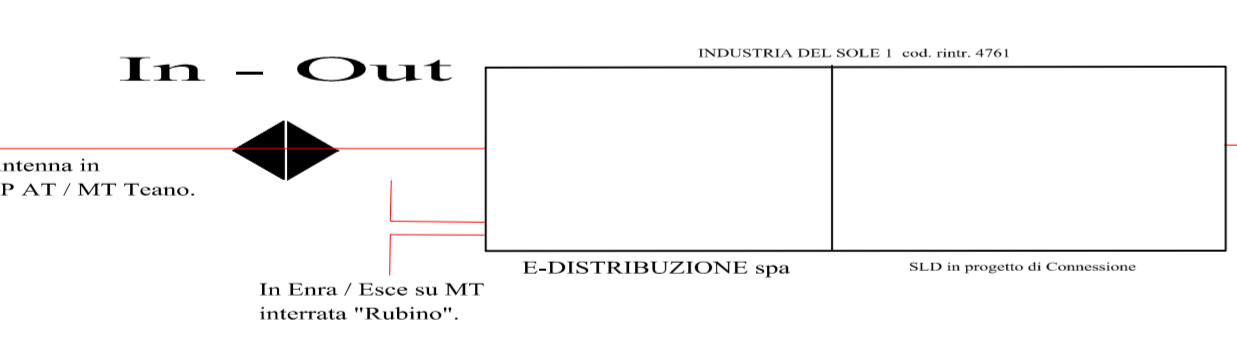


POWER STATION

3A



Bi-Directional Cabine di Consegna Delivery Cabins



Soluzione di Connessione alla Rete di E-Distribuzione spa:
 C.P. 301 554 761 / 301 552 854 DA 24.25 MWp
 301 556 187

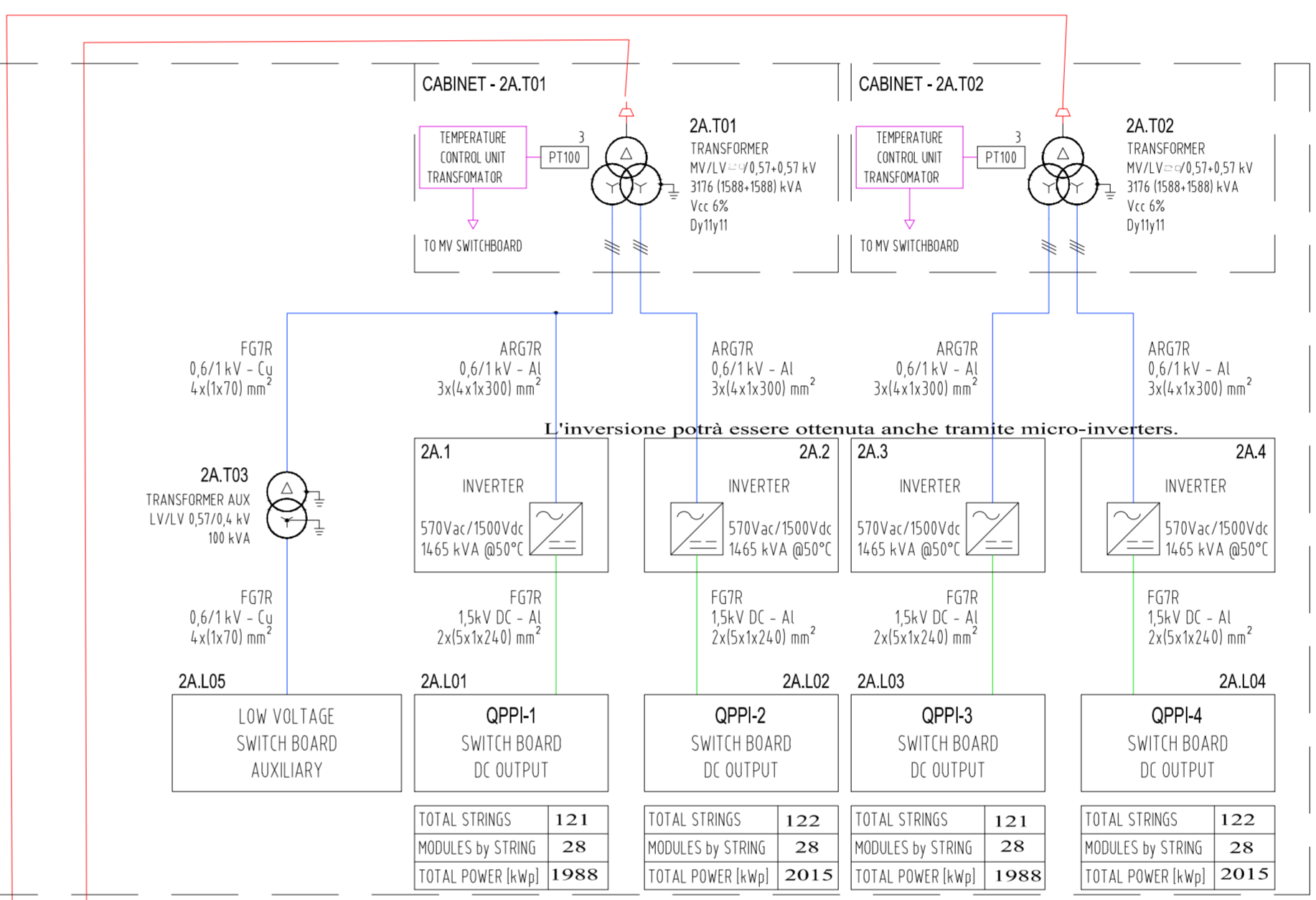
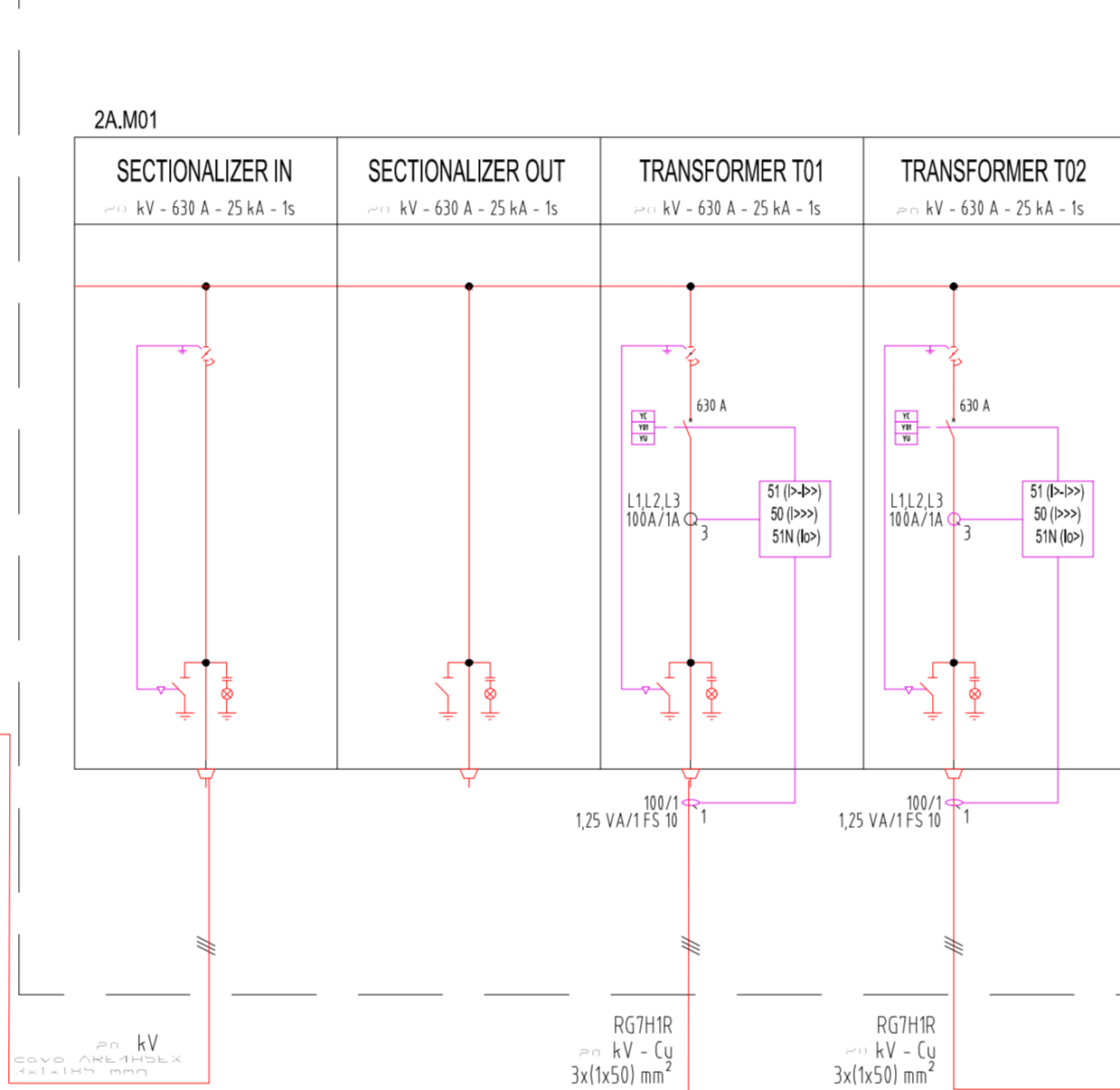
Single Line Diagram
 Schema Unifilare del Campo: centrale di produzione

PROGETTO FOTOVOLTAICO
 Generatore cristallino bifacciale

CONNESSIONE IN MEDIA TENSIONE, tre cabine di consegna ALLA RETE DI DISTRIBUZIONE MT PREESISTENTE

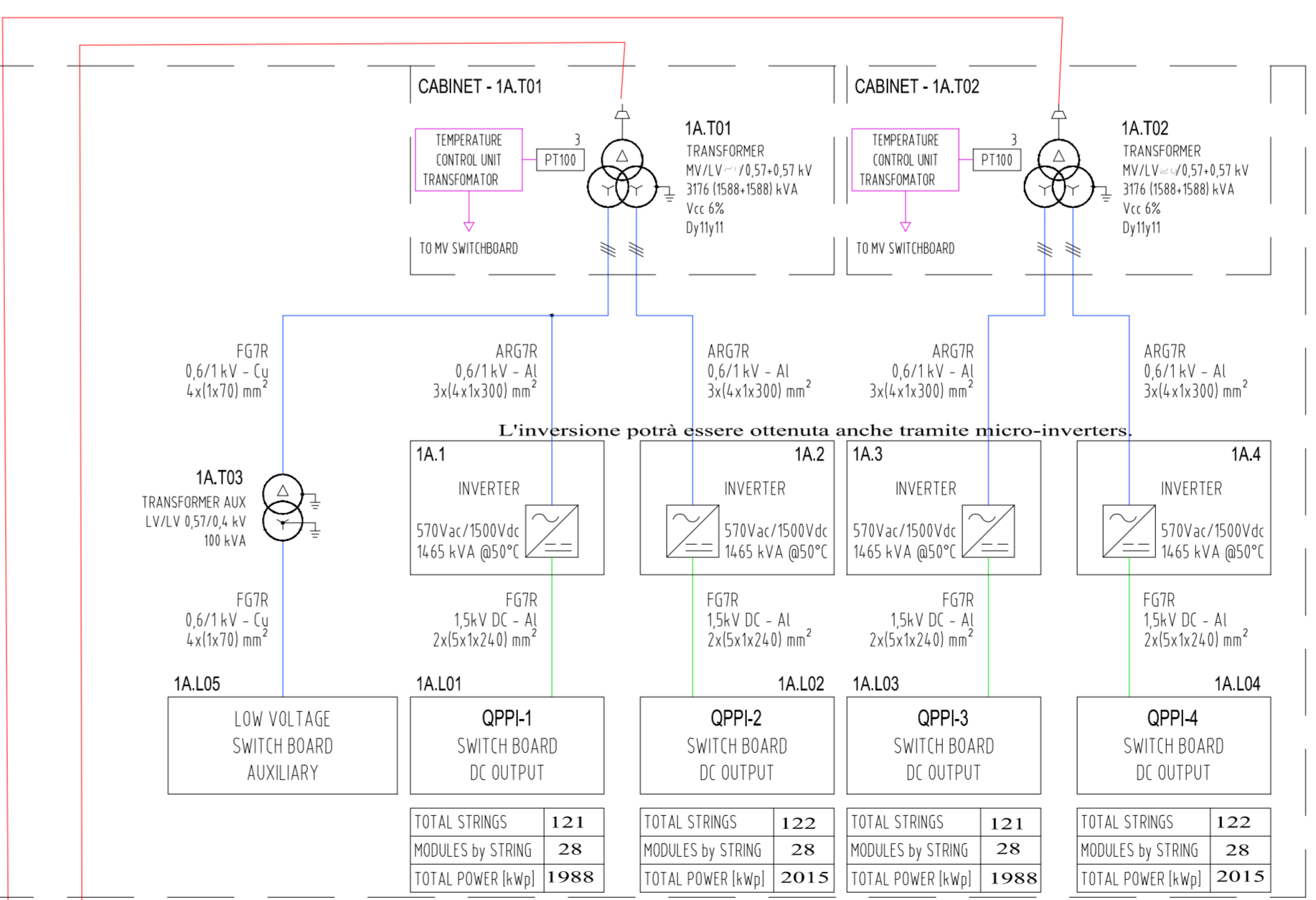
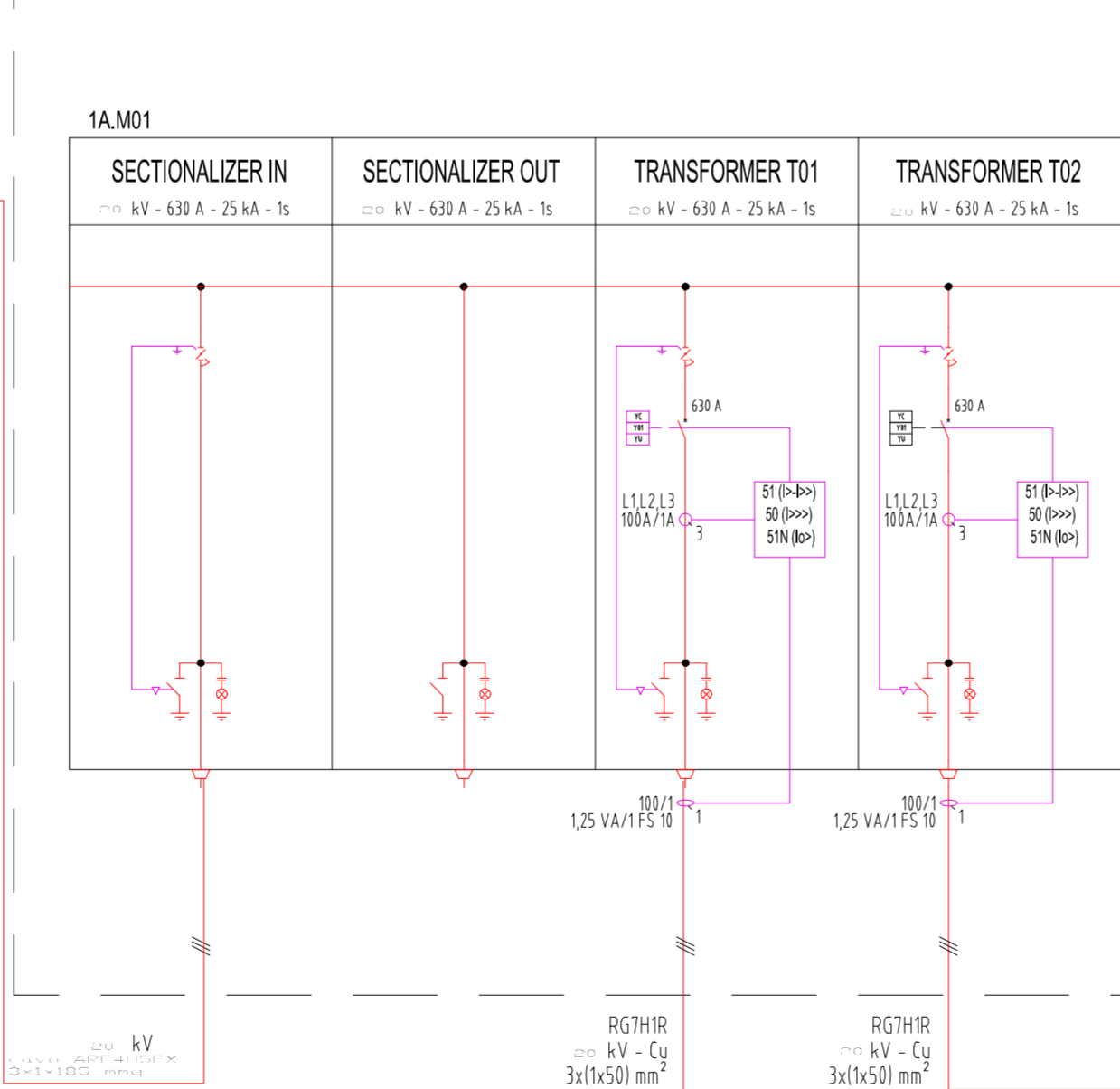
POWER STATION

2A



POWER STATION

1A



LEGENDA

	THREE-PHASE TRANSFORMER, STAR-DELTA CONNECTION		THREE-PHASE TRANSFORMER, STAR/STAR-DELTA CONNECTION
	THREE PHASE WINDING, DELTA		THREE PHASE WINDING, STAR
	CURRENT TRANSFORMER		CURRENT TRANSFORMER (3 PHASE)
	DIRECT CURRENT		ALTERNATIVE CURRENT
	CIRCUIT BREAKER		DISCONNECTOR
	FUSE SWITCH 3 POLE		SWITCH-DISCONNECTOR
	FUSE		EARTH (GROUND) POINT
	SURGE PROTECTION DEVICES		EMERGENCY PUSH BUTTON
	INVERTER (DC/AC)		CONVERTER (AC/DC)
	UPS AC/AC		UPS AC/DC
	MAGNETHERMAL CIRCUIT BREAKER WITH RELAY OR RELEASES		DIFFERENTIAL MAGNETOTHERMAL CIRCUIT BREAKER
	PV MODULES		DIFFERENTIAL WITH TOROID MAGNETOTHERMAL CIRCUIT BREAKER
	METERING TWO-WAY		METERING ONE-WAY
	27 UNDERVOLTAGE RELAY		50 INSTANTANEOUS OVERCURRENT RELAY
	27VI UNDERVOLTAGE RELAY DIRECT SEQUENCE		50N INSTANTANEOUS OVERCURRENT RELAY CONNECTED TO NEUTRAL
	51 DELAYED OVERCURRENT RELAY		59 OVERVOLTAGE RELAY
	51N DELAYED OVERCURRENT RELAY CONNECTED TO NEUTRAL		59N OVERVOLTAGE RELAY CONNECTED TO NEUTRAL
	64 GROUND DETECTOR RELAY		59VI OVERVOLTAGE RELAY REVERSE SEQUENCE
	81 FREQUENCY RELAY		67N DIRECT EARTH FAULT RELAY

NOTE:
 THE ENVIRONMENTAL CONDITIONS ARE:
 AMBIENT AIR MAX TEMPERATURE: 50°C - RELATIVE HUMIDITY OF THE AIR: 95%
 THE SERVIC CALCULATION VALUES ACCORDING TO THE LATEST CONDITIONS SHOWN IN THE TRENCH SECTIONS DETAILS
 FOR MORE DETAILS AND INFORMATION SEE MANUALS AND TECHNICAL DOCUMENTATION PROVIDED BY THE MANUFACTURER OF THE EQUIPMENTS

BEFORE CUTTING THE INDIVIDUAL MV AND LV CABLES AND THE BURIED CONDUITS, IT IS NECESSARY TO CHECK THE NEEDED LENGTH IN THE PV FIELD, CONSIDERING THE TRENCHES WAY, THE AGENTS TO THE EQUIPMENT AND MORE.
 THE SHIELDING OF MV CABLES MUST BE CONNECTED TO THE EARTH COLLECTOR AS PER MANUFACTURERS SPECIFICATIONS
 MV AND LV CABLES MUST BE TESTED EVERY 1 METER BOTH FLAT AND TRENCH LAYING
 MV AND LV CABLES MUST BE IDENTIFIED AND LABELED IN SPACES ON GENERAL AND EVERY 20 METERS OF THE EACH LINE
 THE TIGHTENING TORQUE OF THE ELECTRICAL EQUIPMENT BOLTS AND TERMINALS MUST BE APPLIED ACCORDING TO THE MANUFACTURERS SPECIFICATIONS AND DATA SHEETS
 TO RESPECT ELECTRICAL SAFETY RULES, MUST BE PROVIDED THE ELECTRICAL INTERLOCKS BETWEEN MV CABLES AND MV LV TRANSFORMERS ACCESS DOORS
 DURING THE CONSTRUCTION THE CABLE JUNCTIONS MUST BE LABELED WITH GEO-REFERENCE AND TAG INFORMATIONS



REGIONE CAMPANIA
PROVINCIA DI CASERTA
COMUNE DI RIARDO E PIETRAMELARA

PROGETTO "Industria Del Sole" PER LA REALIZZAZIONE DI TRE IMPIANTI FV DENOMINATI
 "Industria Del Sole 1" della potenza di 8.090 kWp -6.000 kVA
 "Industria Del Sole 2" della potenza di 8.080 kWp -6.000 kVA
 "Industria Del Sole 3" della potenza di 8.080 kWp -6.000 kVA
DELLA POTENZA COMPLESSIVA DI 24.250 kWp-18.000 kVA IN ZONA-A-S.I.

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 Rea - NA1059005 - C.F. e P.IVA 08807481214
 mail: trendenergetico@starenergia.com
 PEC: trendenergetico@pec.starenergia.com
 Cod. Univoco SRU082D

Schema Elettrico Unifilare

PROGETTISTI	PROPONENTE	SCALA
Ing. Aniello Zeccato	TREND ENERGETICO s.r.l. sede legale Via F. Giordani n. 42 80122 Napoli Tel +39 081 060 7743 Fax +39 081 060 7876 Rea - NA1059005 - C.F. e P.IVA 08807481214 mail: trendenergetico@starenergia.com PEC: trendenergetico@pec.starenergia.com Cod. Univoco SRU082D	----- TAVOLA TDE - 02

Redazione e coordinamento: ing. Aniello Zeccato
 Rev: 00 Data: 03/01/2022 Note: