



**COMUNE DI MAGIONE**  
**PROVINCIA DI PERUGIA**  
**REGIONE UMBRIA**

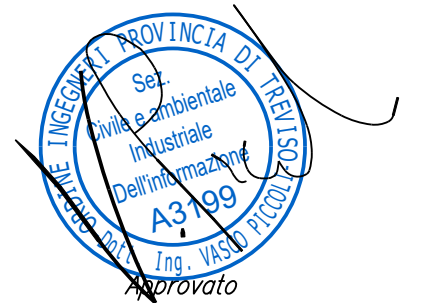
**PROGETTO DEFINITIVO DI UN LOTTO DI IMPIANTI AGRO-FOTOVOLTAICI  
 DENOMINATO "TORRE DELL'OLIVETO"  
 DELLA POTENZA DI PICCO COMPLESSIVA P=26'260.08 kWp  
 E POTENZA IN IMMISSIONE PARI A 20'700 kW  
 SITO IN VIA REGIONALE 220 PIEVAIOLA NEL COMUNE DI MAGIONE (PG)**

*Proponente*

**Greencells Italia Srl**

**WALTHER-VON-DER-VOGELWEIDE PLATZ 8  
 BOLZANO .BOZEN  
 P. IVA: 03114740214**

*Progettazione*



*Preparato*

Danilo Brambilla

*Verificato*

Gianandrea Ing. Bertinazzo

*Approvato*

Vasco Ing. Piccoli

**PROGETTAZIONE DEFINITIVA**

*Titolo elaborato*

**MAGIONE TORRE DELL'OLIVETO  
 SCHEMA UNIFILARE GENERALE**

*Elaborato N.*

**E08.1**

*Data emissione*  
16/06/23

*Nome file*  
SCHEMA UNIFILARE GENERALE

*N. Progetto*

-

*Pagina*  
1 di 20

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16/06/23





PRIMA EMISSIONE

REV.

DATA

DESCRIZIONE

# LEGENDA

Conessioni DC stringhe	
Conessioni AC Inverter-Container	
Conessioni MT	
Conessioni AT	

# DATI PRINCIPALI DI PROGETTO

AC Power	20'700.00 kVA
DC Power	26'260.08 kWp
PV Module	39'788
132 Cells - 2384x1303x35 [mm] 660W	@STC: P = 660 Wp V <sub>OC</sub> = 45,89V I <sub>SC</sub> = 18,28A V <sub>MPP</sub> = 38,23V I <sub>MPP</sub> = 17,27A Efficienza 21,2%
Stringhe	1'421
28 PF in serie	TRACKER 2x28: 676 TRACKER 2x14: 69
Inverter	69
Centralizzato	DC: V <sub>is</sub> = 1'500V V <sub>MPP</sub> = 500-1'500V I <sub>MAX</sub> = 12*40A - 12*2 Input AC: A = 300kVA V = 640-920V, 3W+PE (3P) f = 50/60Hz pf = 0,5CAP... 0,5IND THDi = <3% Euro Eff = 98,8% Peso: < 110kg Dimensioni: 1'136x870x361[mm] Grado di protezione: IP66 Temper. operativa: -30°C÷60°C
Cabina di Trasformazione MT/BT	6 da 1.25MVA + 9 da 1.5MVA QMT: 3 unità 24kV-16kA-630A TRAFO: 1'250÷1'500kVA QBT: 800V-20kA-1'600A input fino a 4+5 inverter Aux: 30-50kVA

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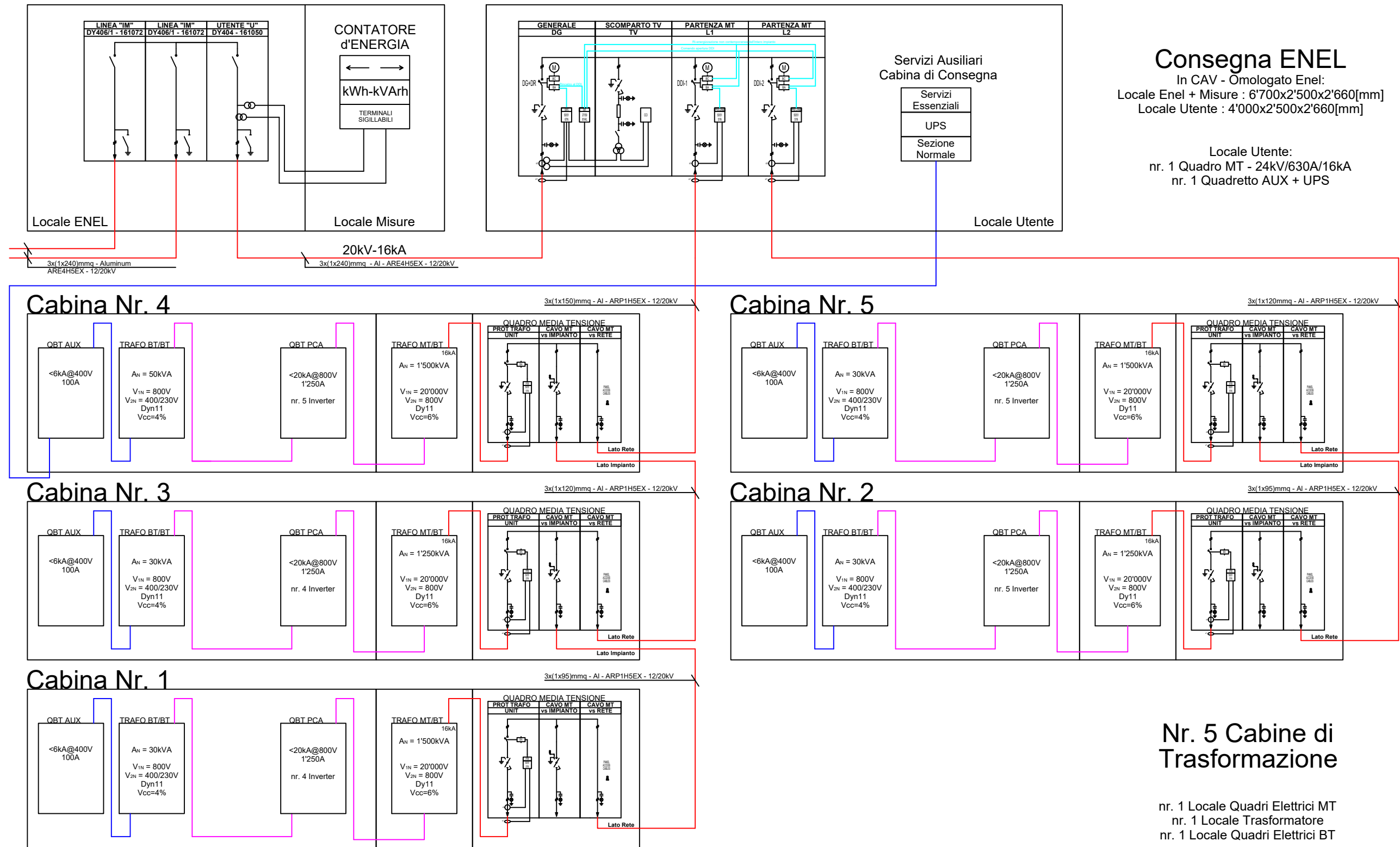


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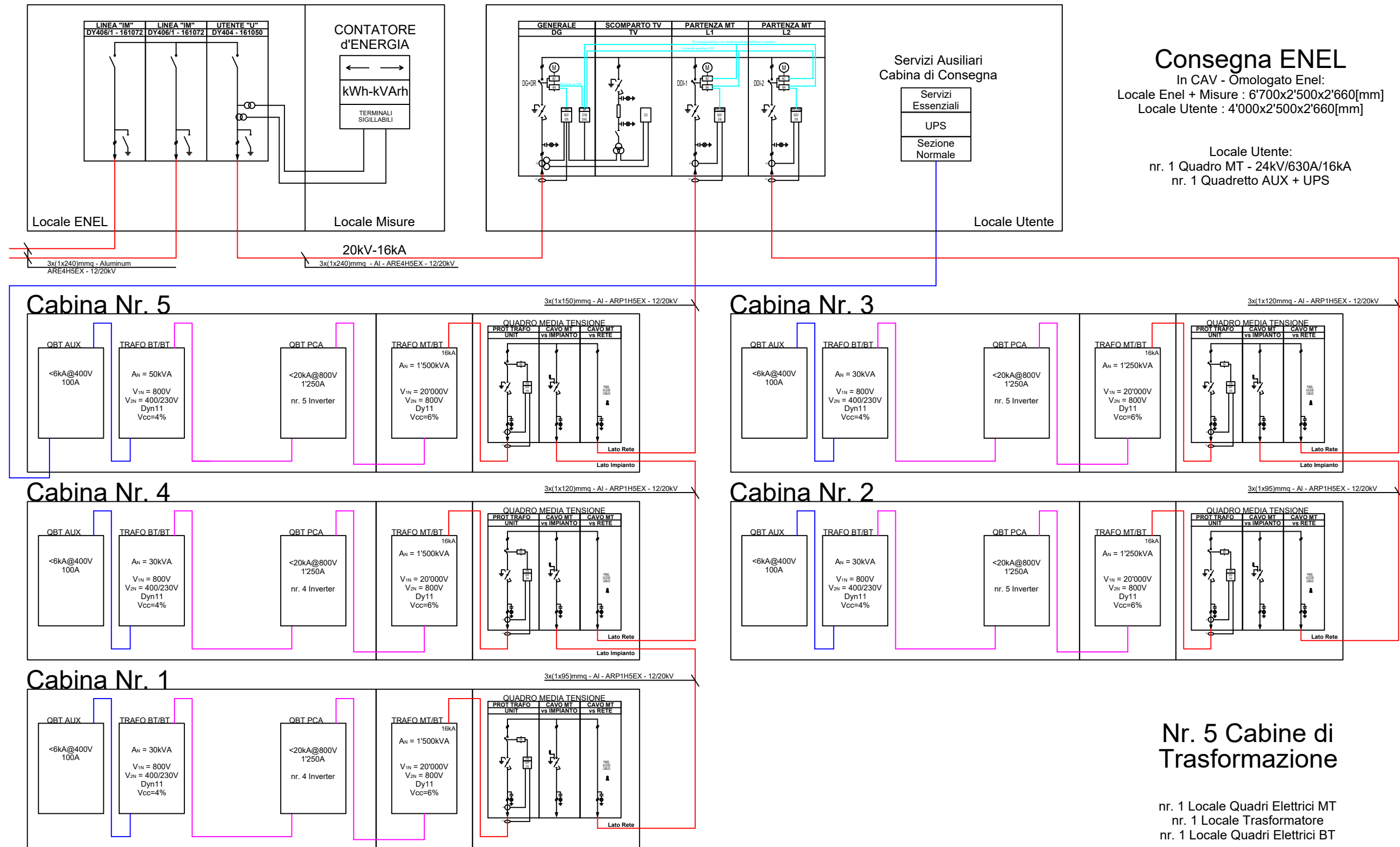
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SCHEMA UNIFILARE GENERALE

N. Progetto	Nome file	Data	Pagina
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# LOTTO 1 POD: IT001E109339121



# LOTTO 2 POD: IT001E109339130

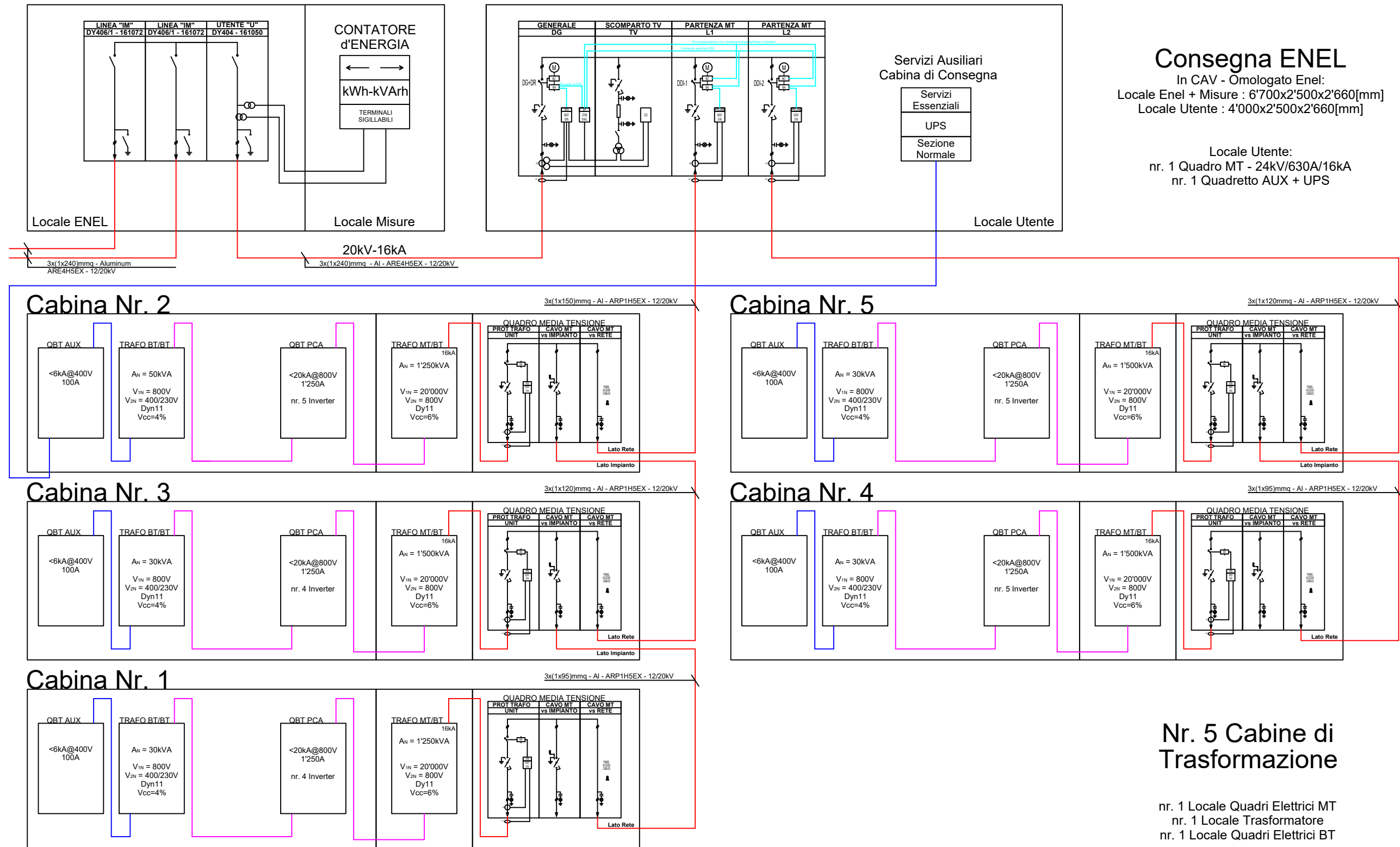


**Nr. 5 Cabine di Trasformazione**

nr. 1 Locale Quadri Elettrici MT  
nr. 1 Locale Trasformatore  
nr. 1 Locale Quadri Elettrici BT



# LOTTO 3 POD: IT001E109339105



## Consegna ENEL

In CAV - Omologato Enel:  
 Locale Enel + Misure : 6'700x2'500x2'660[mm]  
 Locale Utente : 4'000x2'500x2'660[mm]

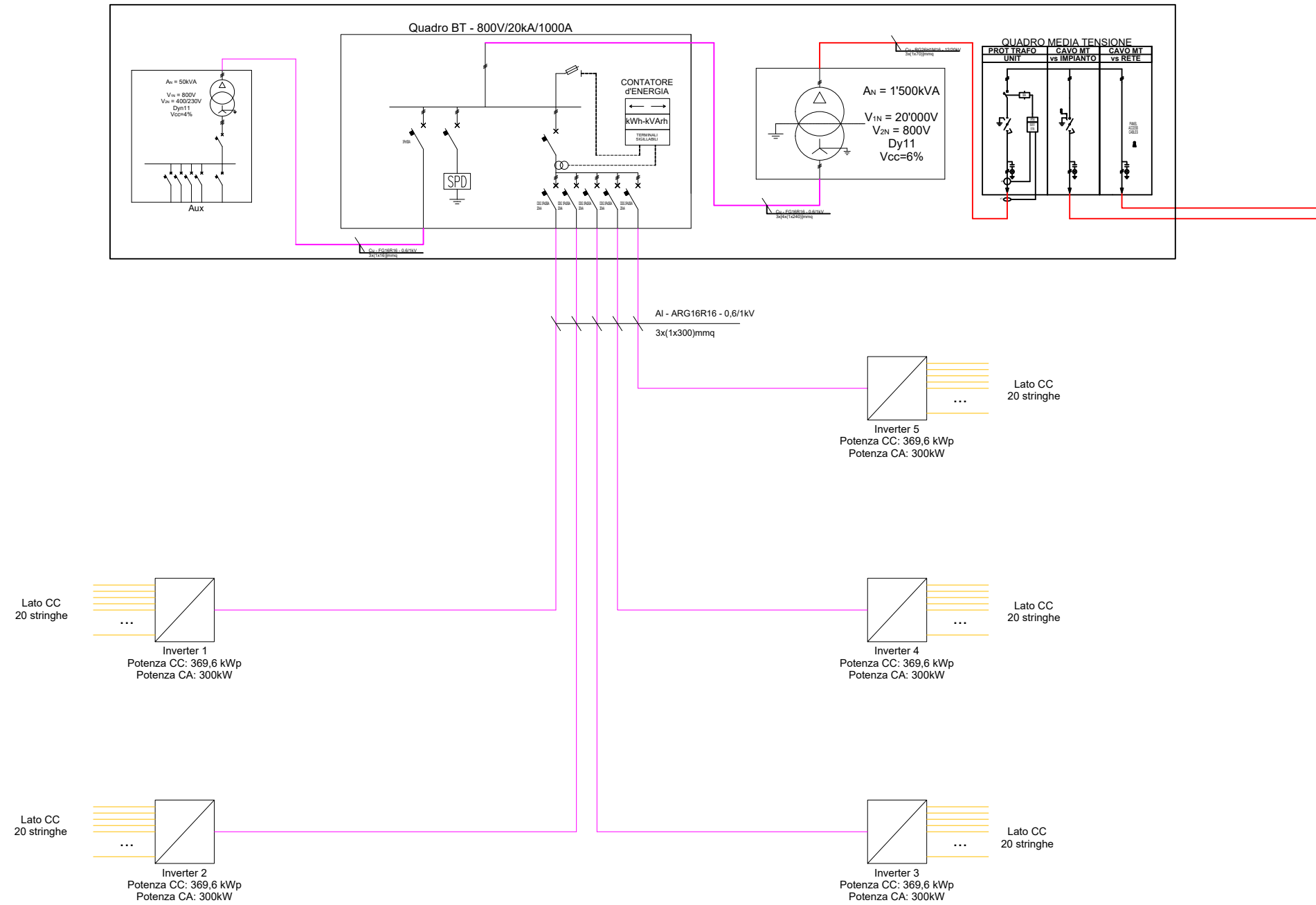
Locale Utente:  
 nr. 1 Quadro MT - 24kV/630A/16kA  
 nr. 1 Quadretto AUX + UPS

## Nr. 5 Cabine di Trasformazione

nr. 1 Locale Quadri Elettrici MT  
 nr. 1 Locale Trasformatore  
 nr. 1 Locale Quadri Elettrici BT

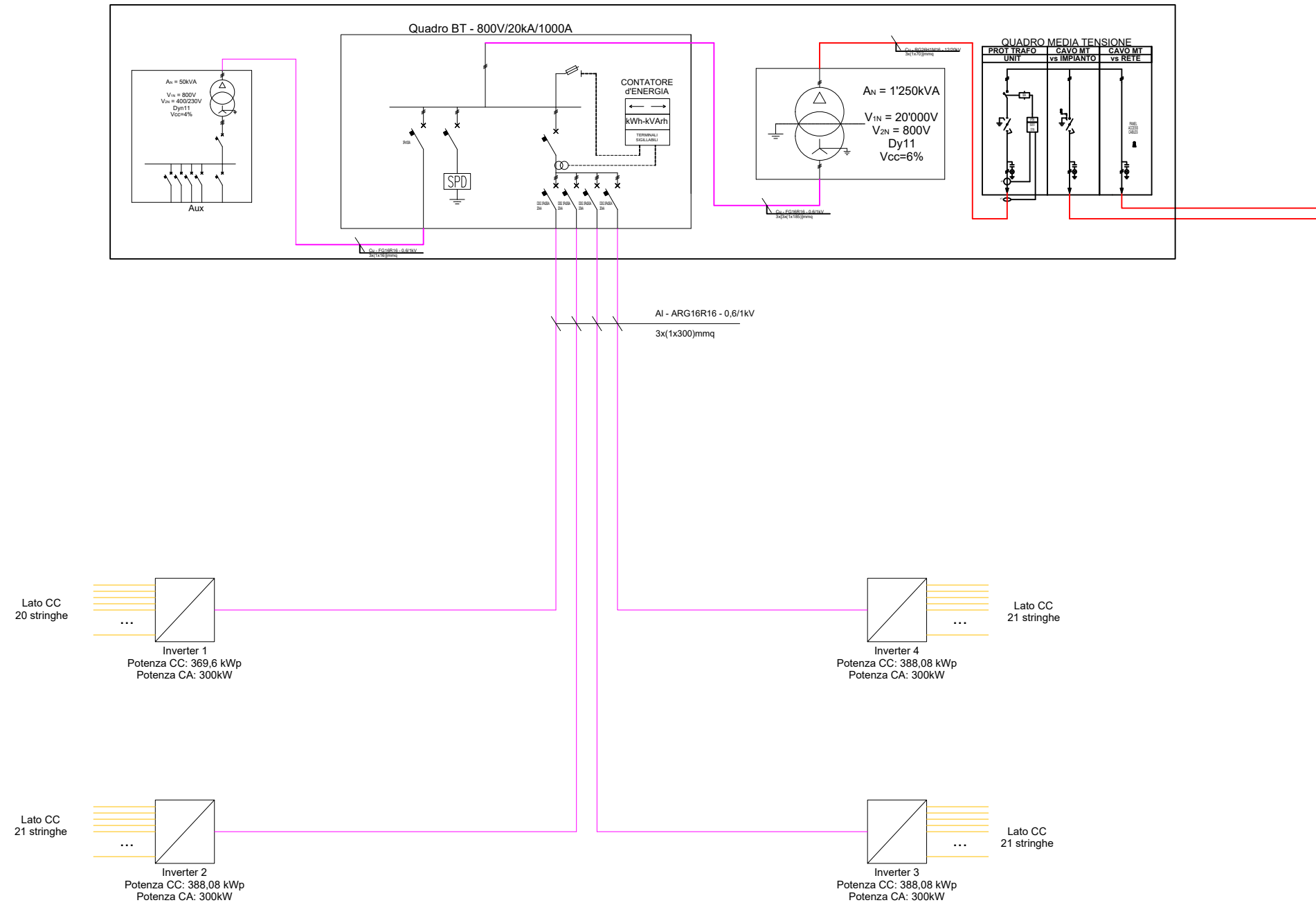


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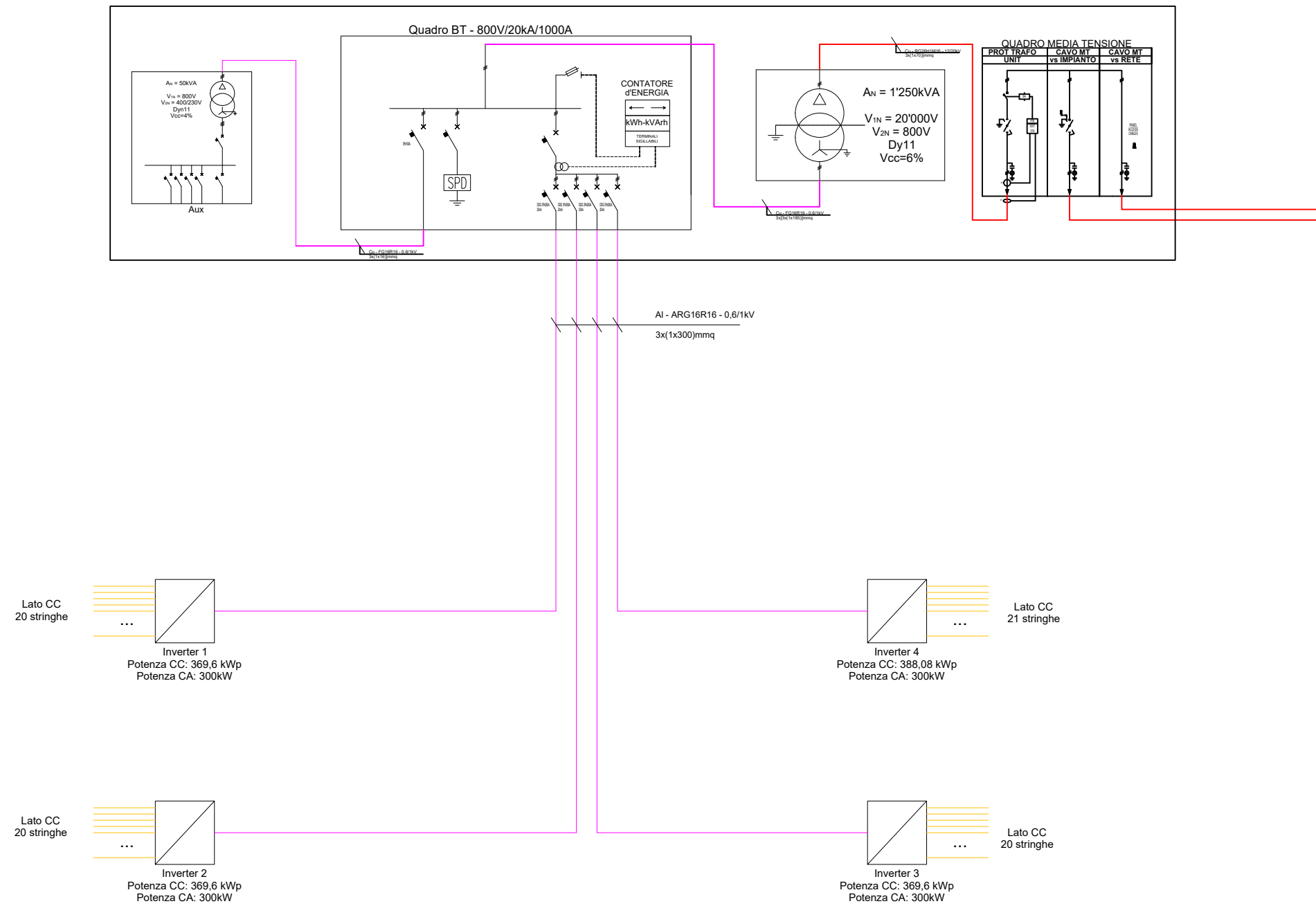




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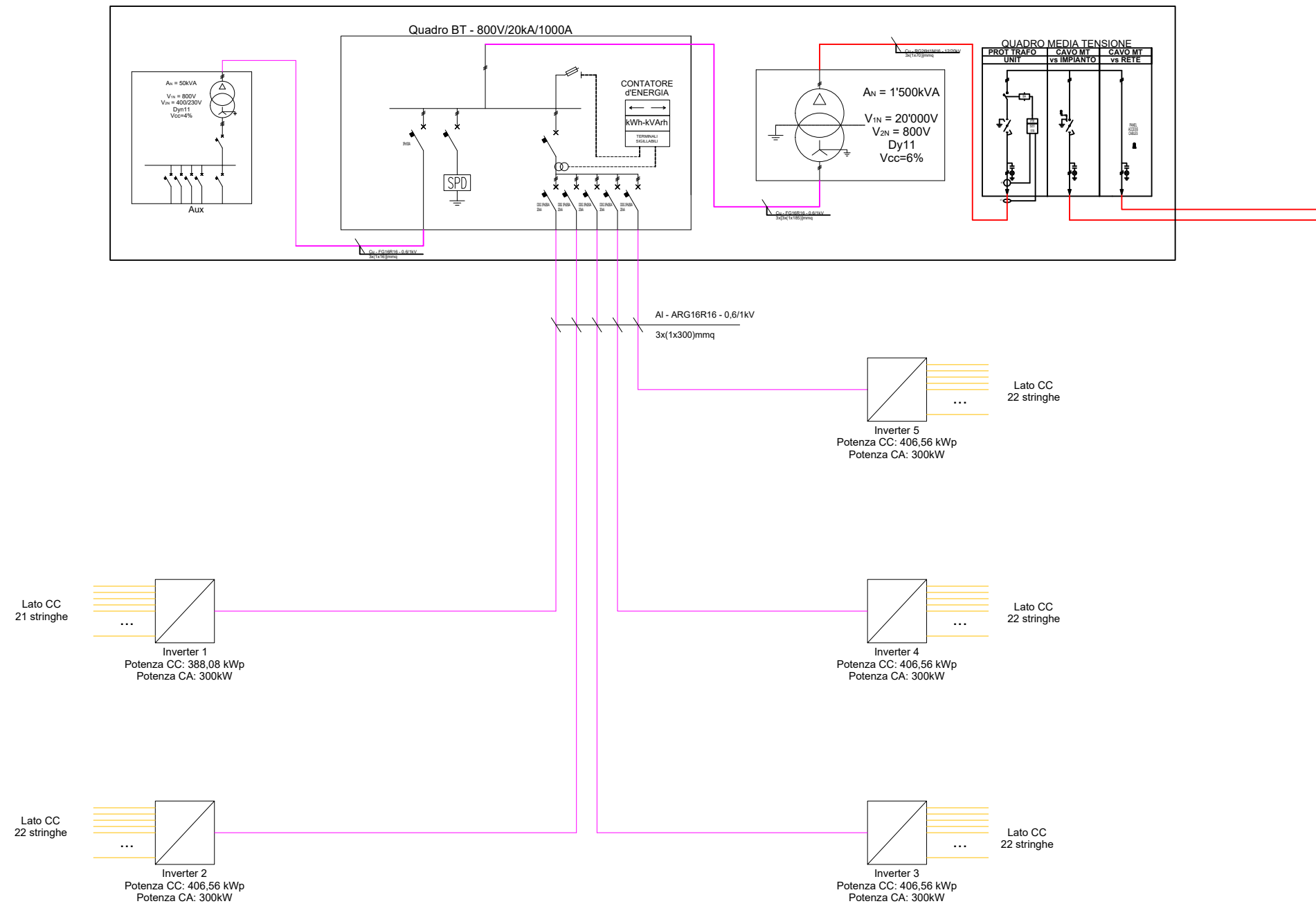


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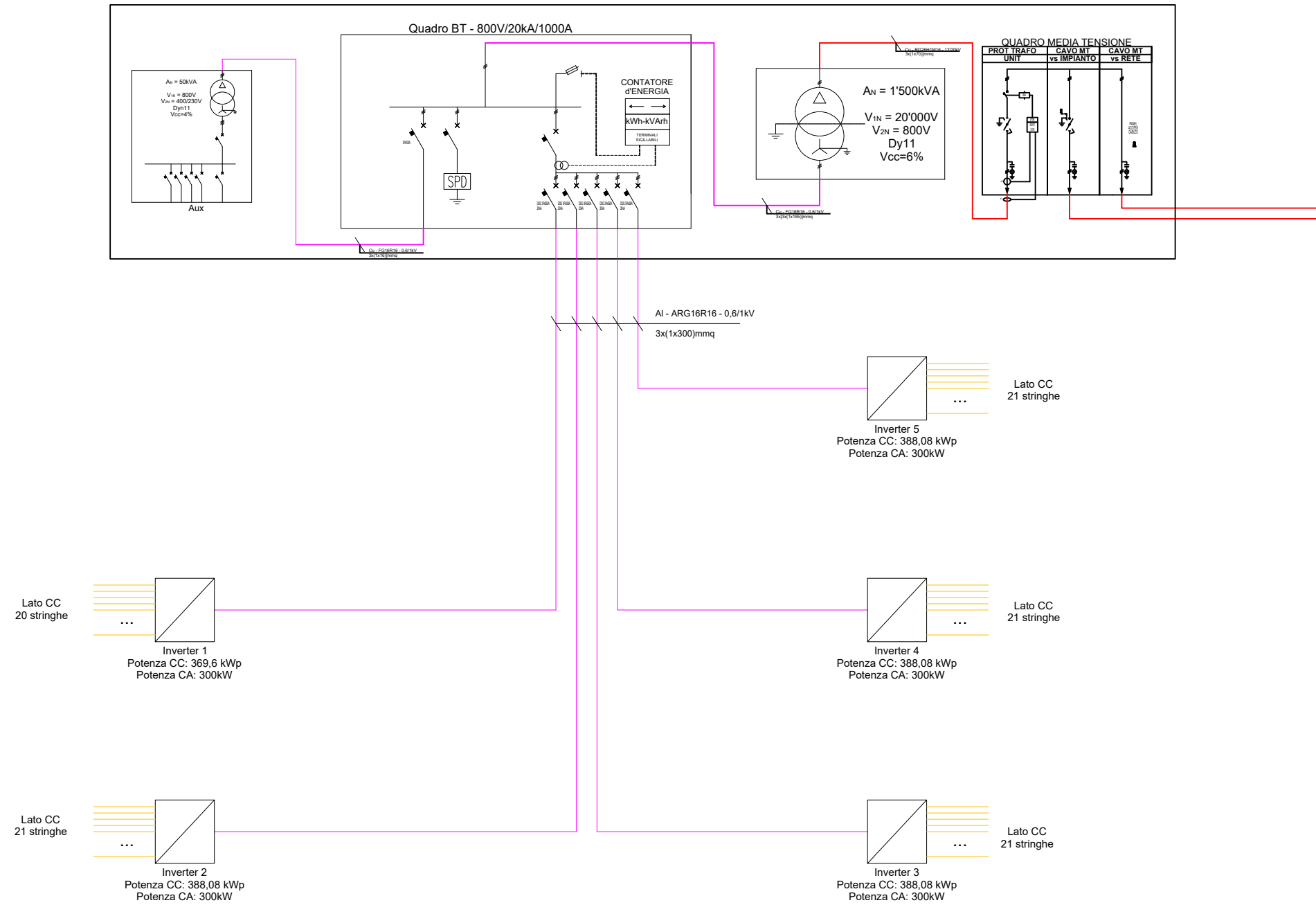




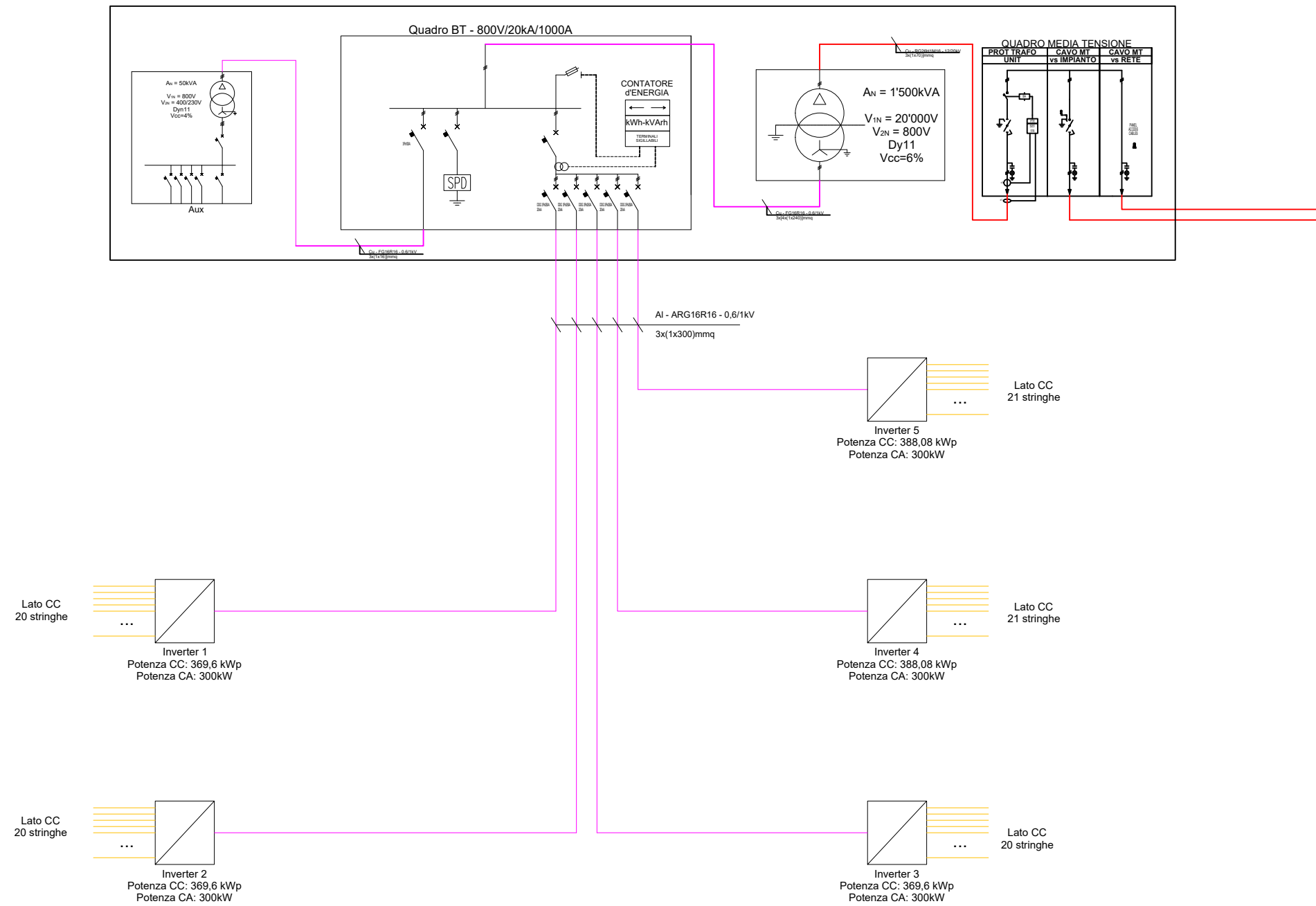
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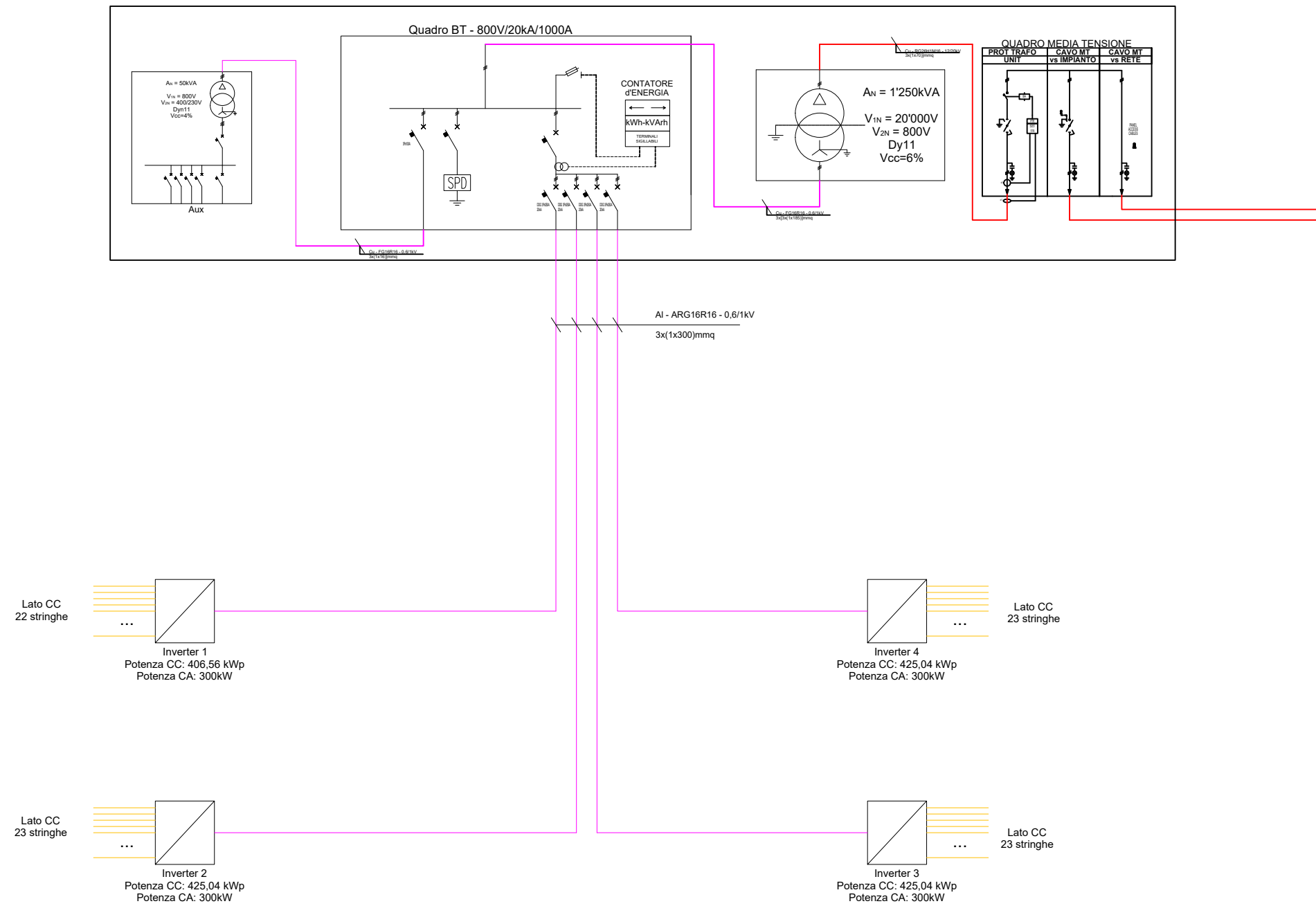
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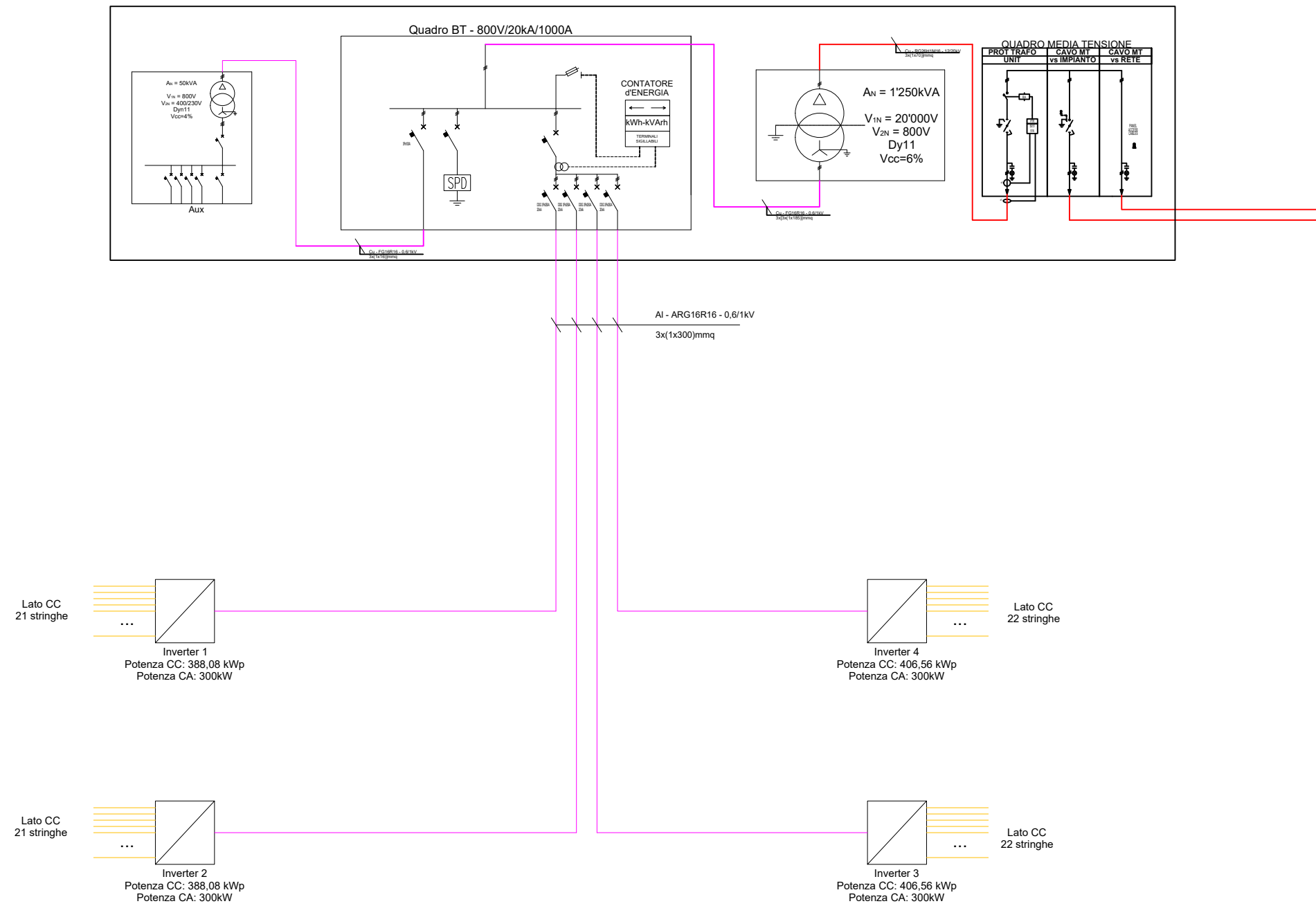
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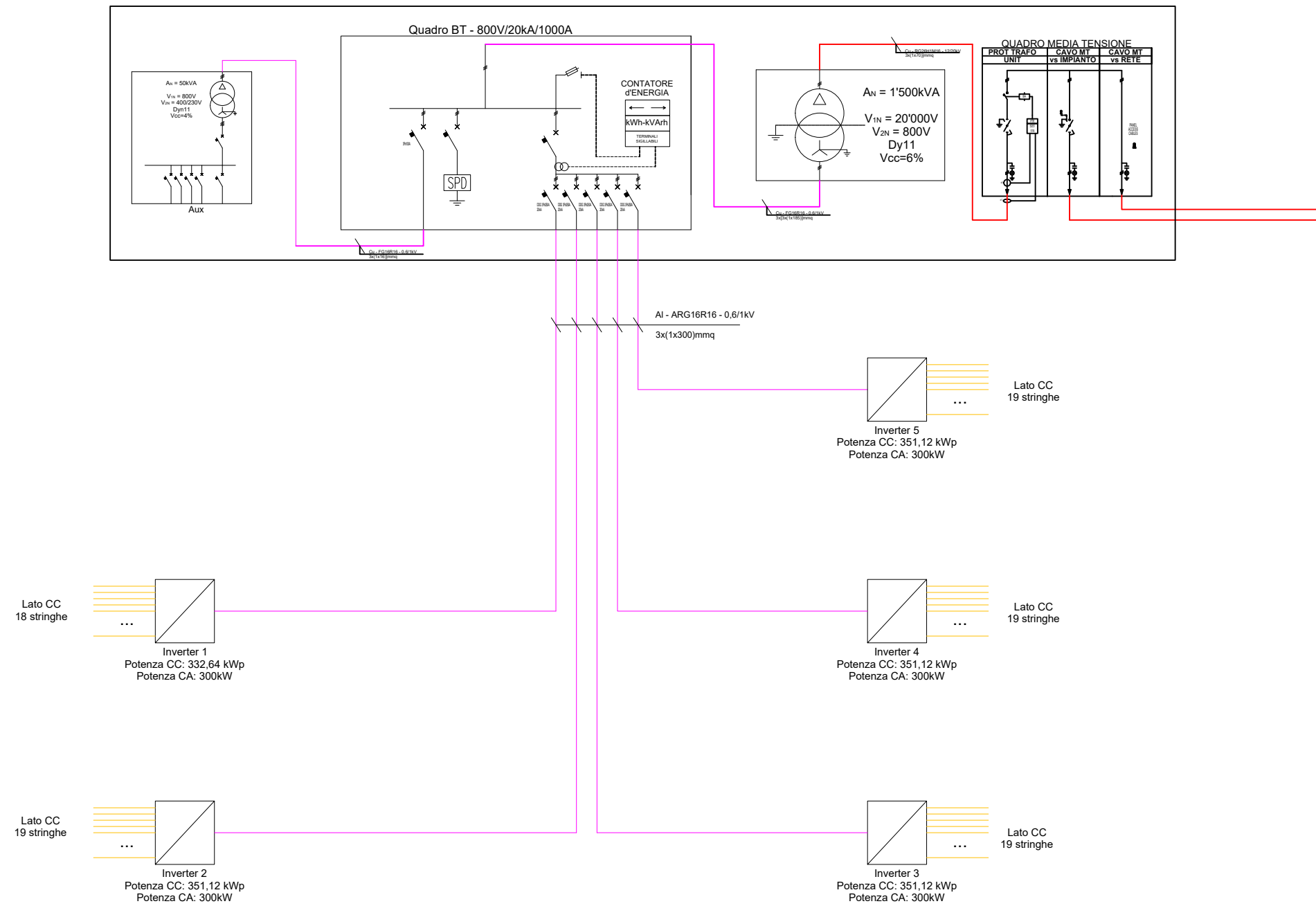
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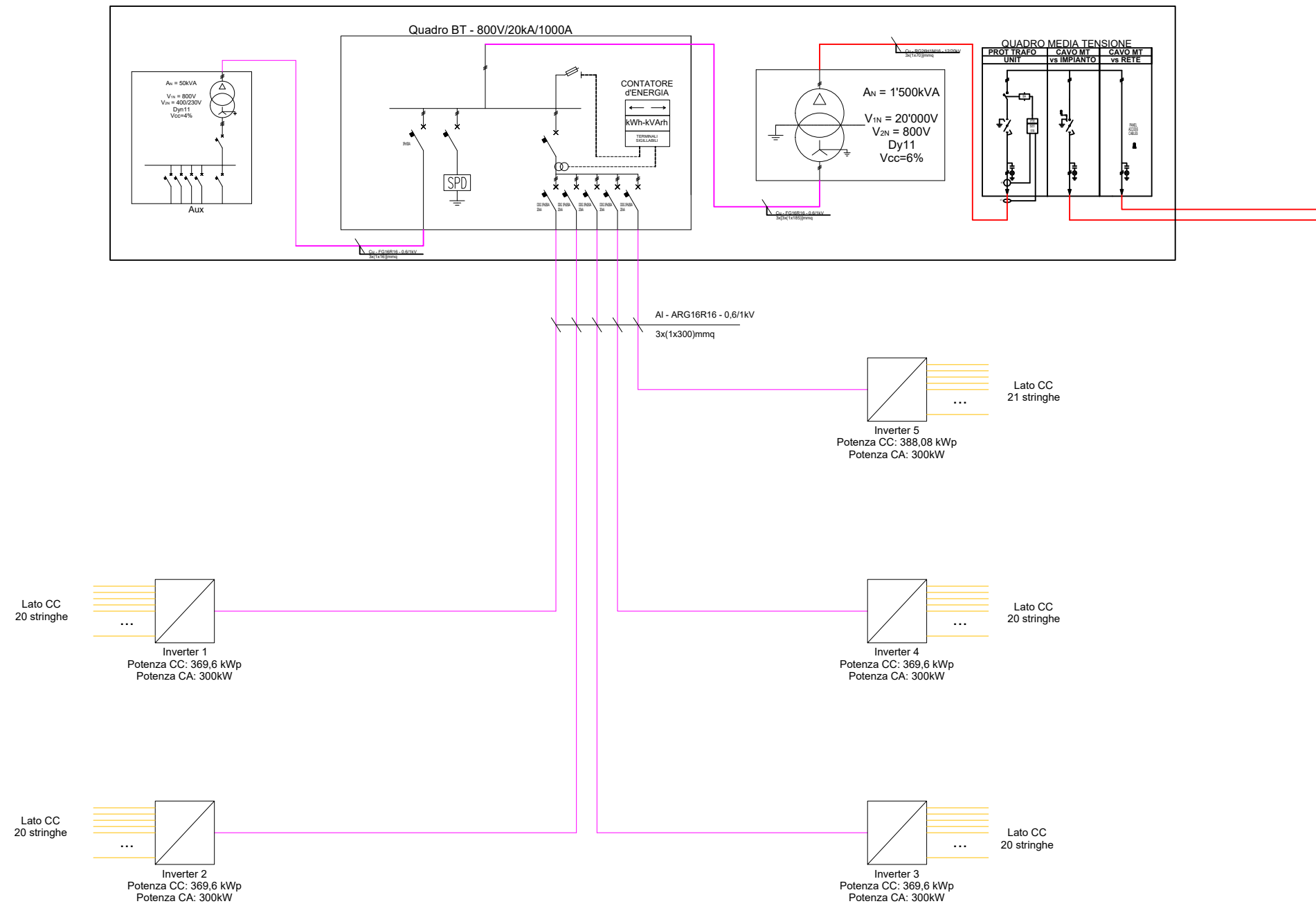
# C2.3



# C2.4

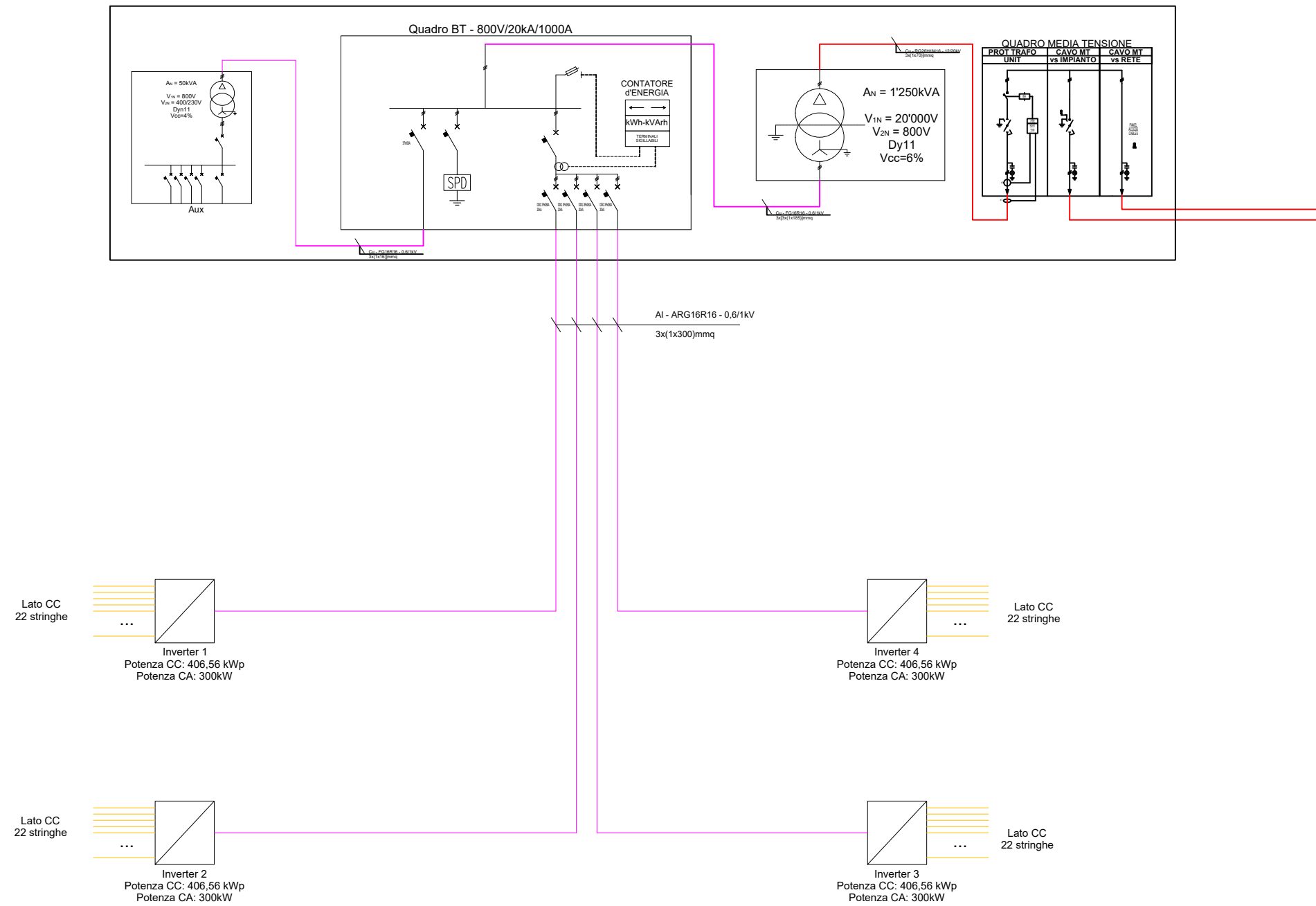


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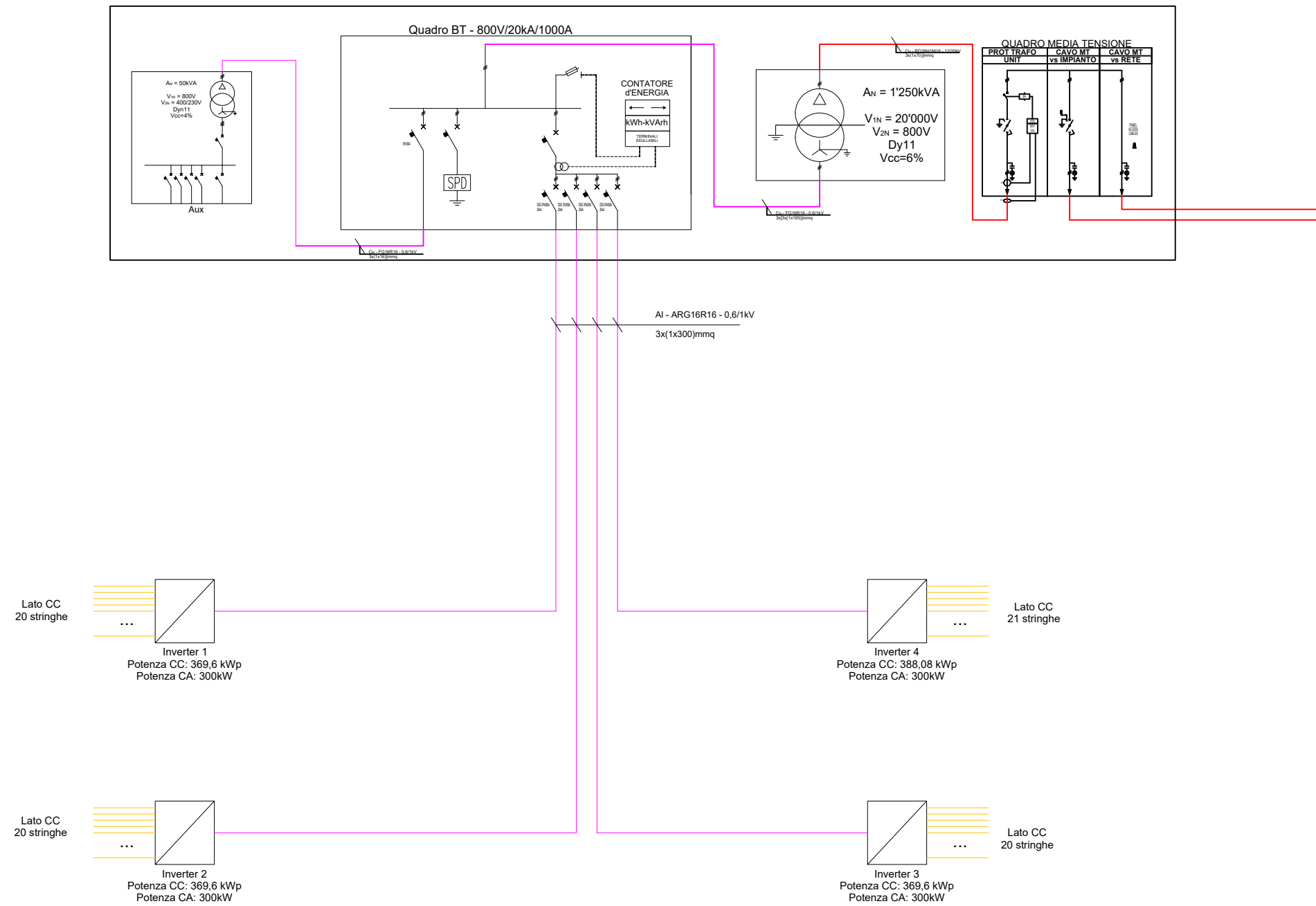




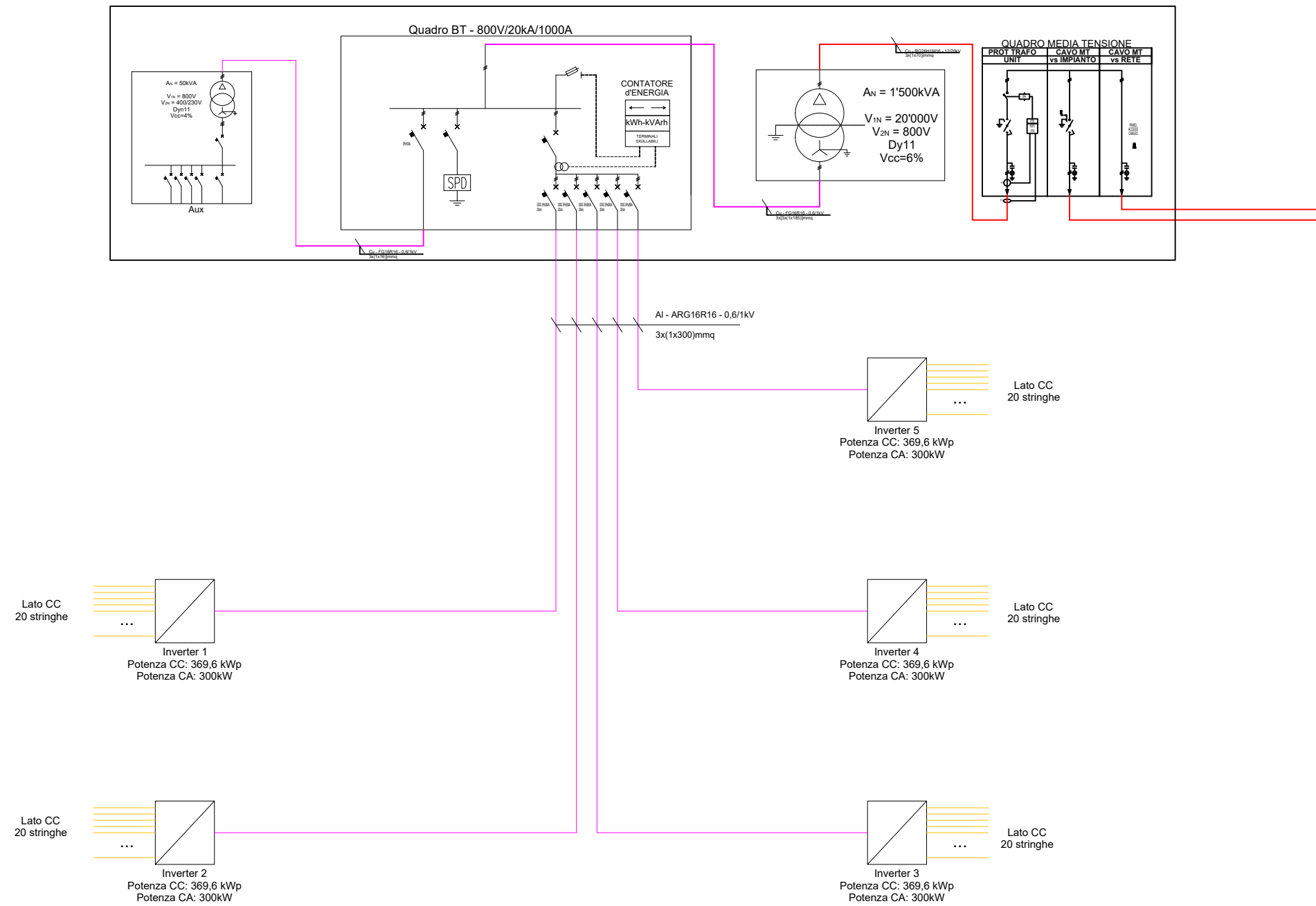
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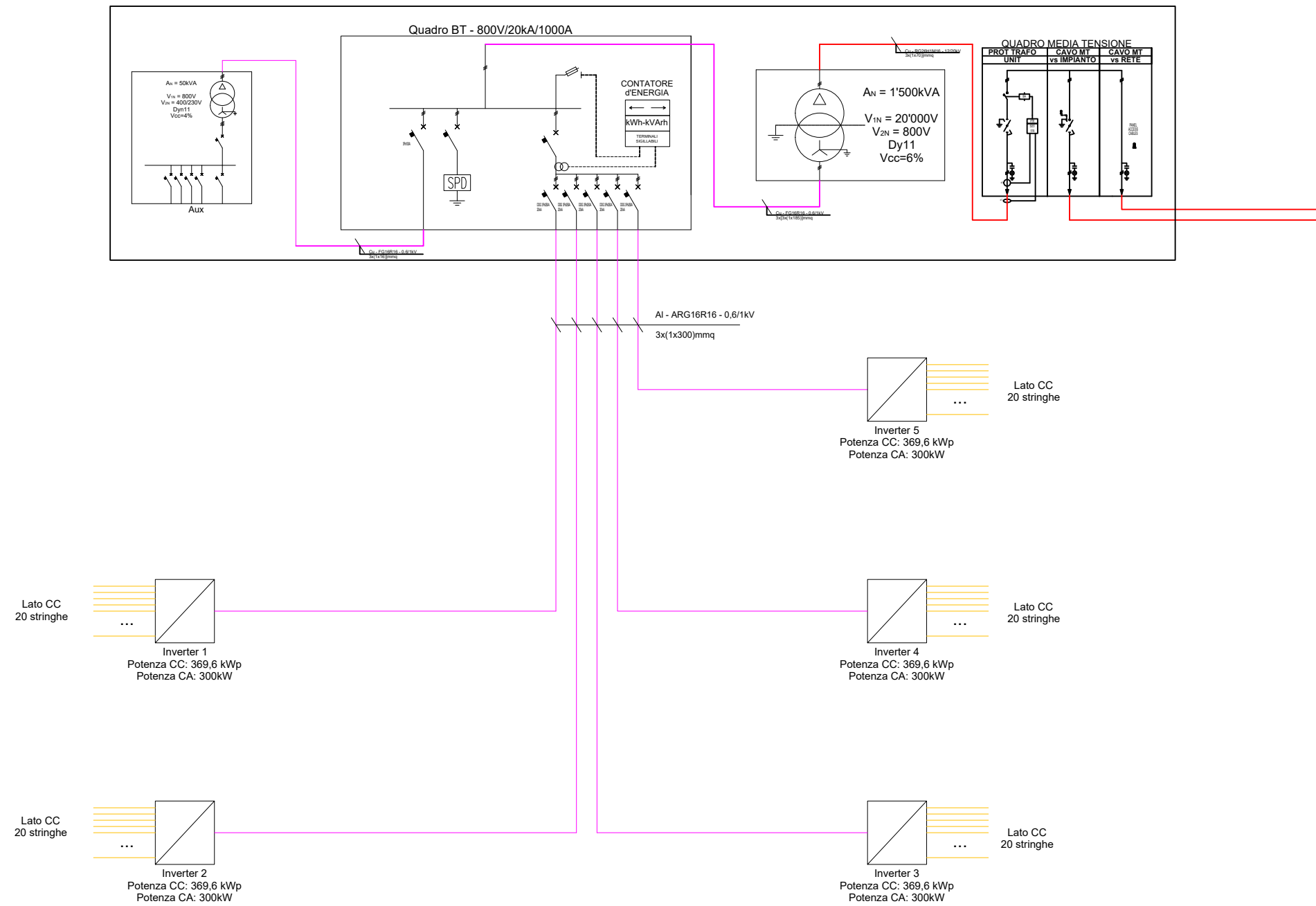
# C3.2



# C3.3



# C3.4



# C3.5

