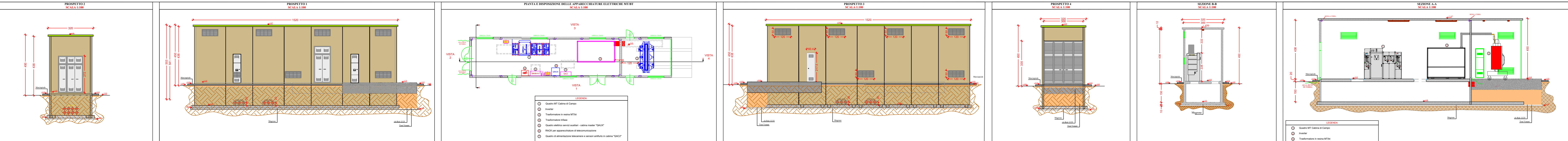
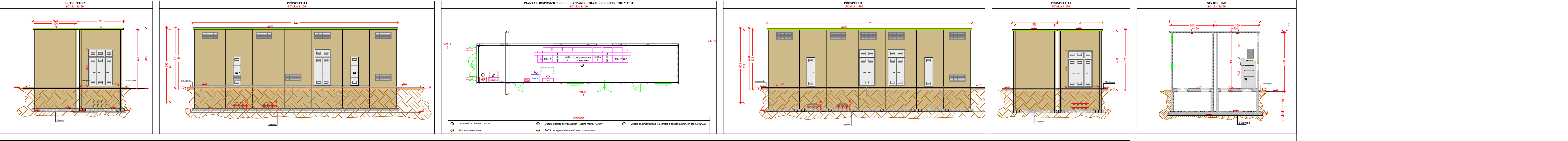


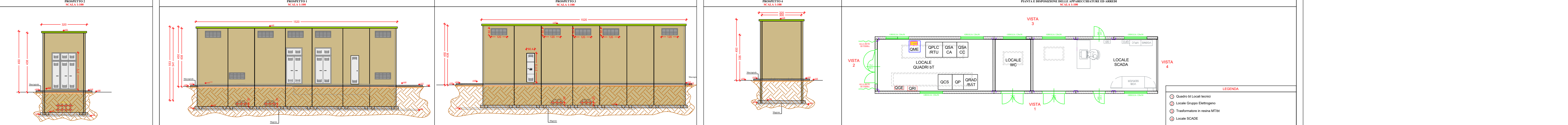
CABINE MASTER e SLAVE: PIANTE E PROSPETTI



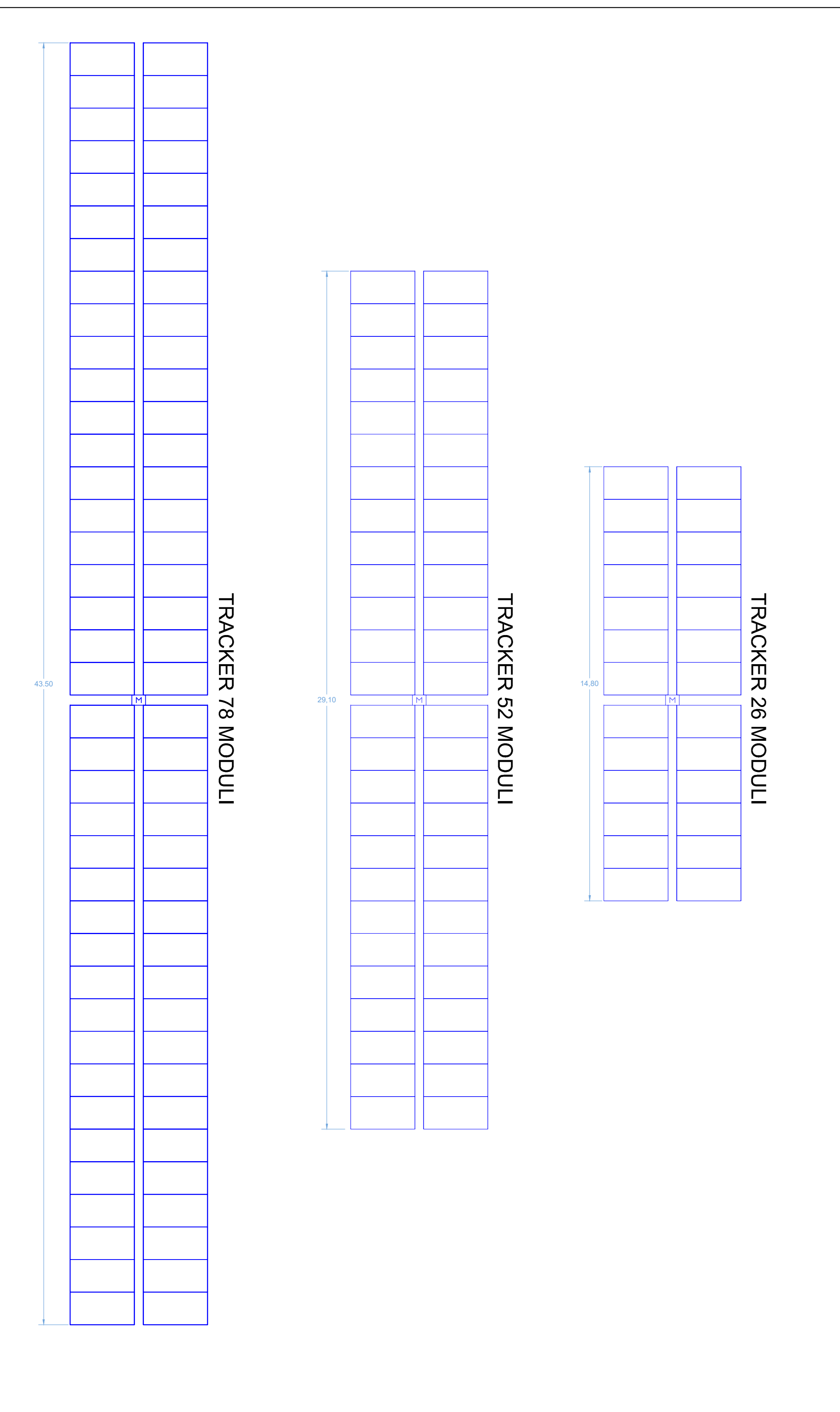
CABINA DI RACCOLTA: PIANTE E PROSPETTI



TIPICO CABINA LOCALI TECNICI BT: PIANTE E PROSPETTI



SCHEMA TIPOLOGICO TRACKER - PIANTE E VISTA LATERALE - scala 1:100



PANNELLI FOTOVOLTAICI: caratteristiche e dimensioni principali

THE Vertex
BIFACIAL DUAL GLASS MONOCRYSTALLINE MODULE

500W+
MAXIMUM POWER OUTPUT

21.0%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

Trina Solar's Duomax Performance Warranty

Comprehensive Products and System Certifications

Trina Solar

Vertex

BIFACIAL DUAL GLASS MONOCRYSTALLINE MODULE

Electrical Data (STC)	475	480	485	490	500	505
Power (W)	475	480	485	490	500	505
Maximum Power Voltage (V _{mp})	41.8	42.2	42.5	42.8	43.1	43.4
Maximum Power Current (I _{mp})	11.94	11.98	12.04	12.10	12.16	12.22
Open Circuit Voltage (V _{oc})	55.5	55.7	55.9	56.1	56.3	56.5
Short Circuit Current (I _{sc})	11.93	11.97	12.02	12.06	12.10	12.13
Module Efficiency (%)	19.7	19.8	19.9	20.0	20.1	20.2

Electrical Data (NOCT)

Electrical Data (NOCT)	360	363	367	371	374	376	382
Power (W)	360	363	367	371	374	376	382
Maximum Power Voltage (V _{mp})	38.5	38.8	39.0	39.2	39.4	39.5	40.0
Maximum Power Current (I _{mp})	9.39	9.33	9.38	9.32	9.28	9.28	9.33
Open Circuit Voltage (V _{oc})	47.7	47.9	48.1	48.3	48.5	48.7	49.0
Short Circuit Current (I _{sc})	9.63	9.64	9.67	9.70	9.73	9.77	9.80

Trina Solar

INVERTER: caratteristiche principali

SUNNY CENTRAL UP

The new Sunny Central: more power per cubic meter

With an output of up to 4000 kVA and system voltage of 1500 VDC, the SMA central inverter allows for more efficient system design and a reduction in specific costs for PV power plants. A separate voltage supply and additional space are available for the installation of customer equipment. True 1500V technology and the intelligent cooling system OptiCool ensure smooth operation even in extreme ambient temperature as well as a long service life of 25 years.

Efficient

- Up to 97.6% efficiency
- Low standby power consumption
- Optimized for 1500V DC
- High power density
- Low temperature rise

Robust

- Highly resistant to lightning
- Optimized for fire risk
- Available for outdoor use
- IP65 protection
- Wide operating temperature range

Flexible

- Compatible with all common grid equipment
- Available in 1500V DC or 1500V AC
- Available in 1500V DC or 1500V AC
- Available in 1500V DC or 1500V AC

Easy to Use

- Approved DC connection
- Compatible with all common grid equipment
- Simple installation
- High power density
- Low temperature rise

SYSTEM DIAGRAM

TEMPERATURE BEHAVIOR (at 1000-w)

REGIONE LAZIO
COMUNE DI SANTA MARINELLA
COMUNE DI CERVETERI
COMUNE DI TOLFA

S40 S.r.l.
Via S. Vito, 101
00133 Roma

STUDIO INGEGNERIA ELETTRICA
MEZZINA dott. Ing. Antonio
Via S. Vito, 101 - 00133 Roma

Dott. Archeologo Antonio Mangia
Tel. 06 5238237
E-Mail: amangia@uniroma1.it

Dott. Nazario Di Lella
Tel. 06 5238237
E-Mail: ndiella@uniroma1.it

STUDIO FALCONE
Ingegneria
Ing. Antonio Falcone
Tel. 06 5238237
E-Mail: antonio.falcone@uniroma1.it

Ing. Tommaso Monaco
Tel. 06 5238237
E-Mail: tommaso.monaco@uniroma1.it

Geom. Matteo Occhiochiuso
Tel. 06 5238237
E-Mail: matteo.occhiochiuso@uniroma1.it

Progetto definitivo per la realizzazione di un impianto fotovoltaico denominato "SANTA SEVERA" da realizzarsi su aree demaniali militari in località "Santa Severa" nel territorio comunale di Santa Marinella (RM) per una potenza complessiva di 47,662 MWp nonché delle opere connesse ed infrastrutture indispensabili alla costruzione e all'esercizio dell'impianto

00 Dicembre 2022 Progetto definitivo
01 Dicembre 2022 Elaborato Grafico 12.pdf

Scale: 1:100

Formato: A0