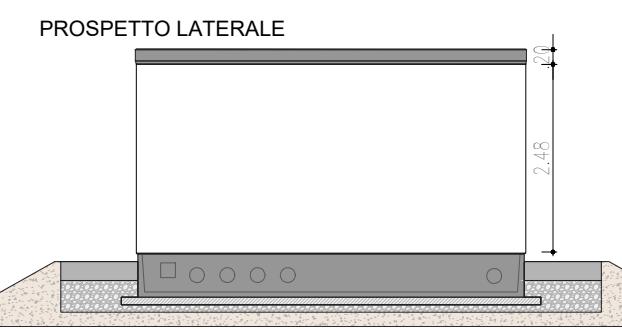


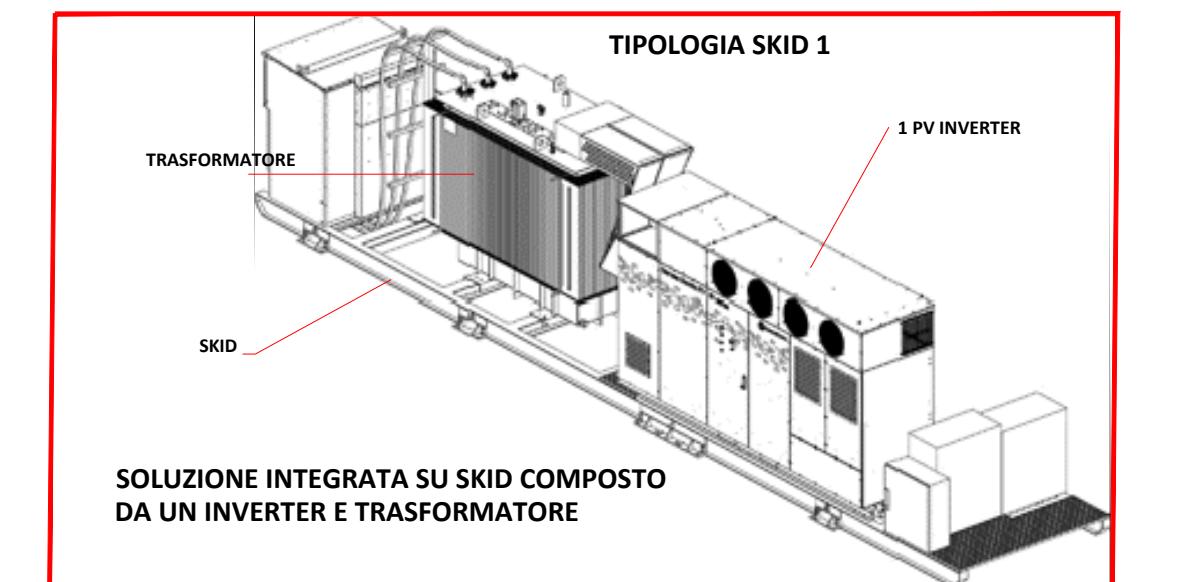


L'Impianto costituito da 51352 moduli, sarà suddiviso in 7 sottocampi organizzati in 1834 stringhe: ciascuna costituita da 28 moduli. Saranno utilizzati due modelli di trasformatori di cui un trasformatore della tipologia 1XPROTEUS 4300 e tre trasformatori DELLA TIPOLOGIA 2XPROTEUS 4300.
All'interno di tutto il campo sono previsti 7 inverter tipologia GAMESA ELECTRIC-PV PROTEUS 4300.

CABINA DI CONSEGNA TIPO E CONTROL ROOM



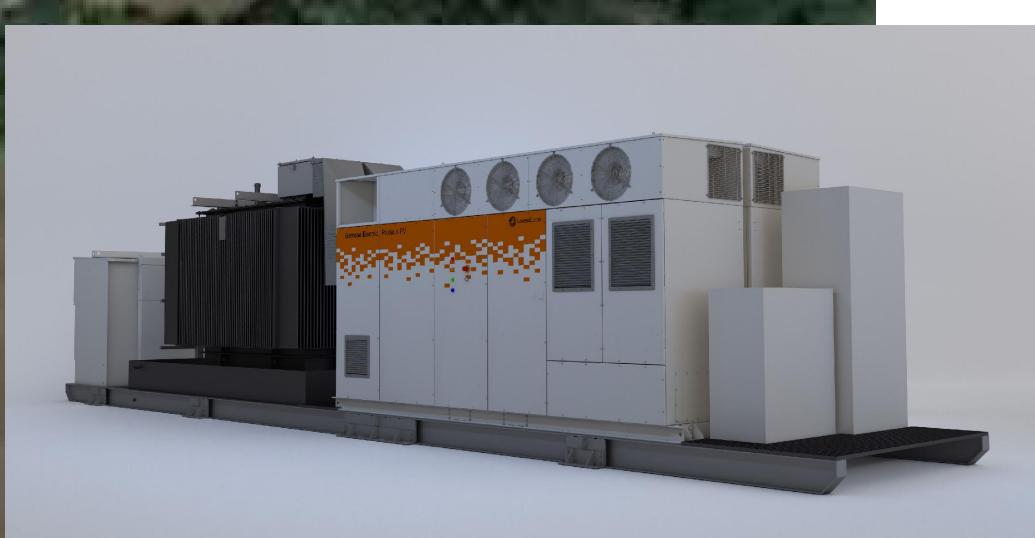
PROSPETTO LATERALE



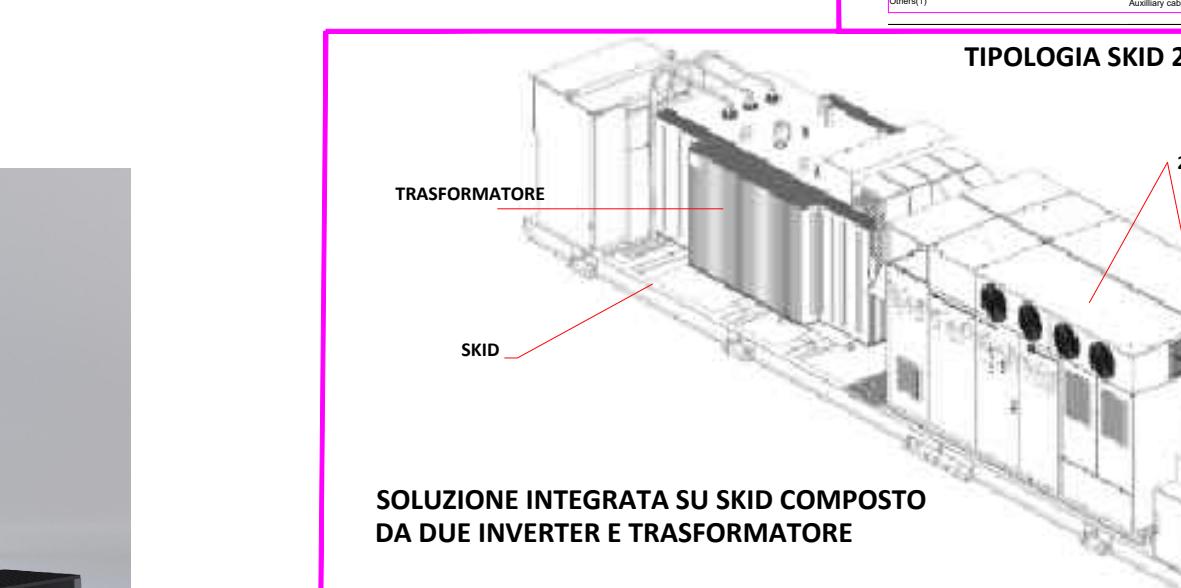
SOLUZIONE INTEGRATA SU SKID COMPOSTO DA UN INVERTER E TRASFORMATORE

Gamesa Electric Proteus PV Station	
Number of Gamesa Electric Proteus PV Inverters	1 x Proteus PV 4300
DC Connection	1 x Proteus PV 4300
DC Voltage Range (MPPT)	835 - 1300 V
DC Voltage Range (MPPT)	875 - 1300 V
Number of Power Modules	2 x 28 (maximally isolated, 1 MPPT)
Max. DC Current (B60°C 127°F)	280 A
Max. DC Current (B60°C 127°F)	2 x 130 A
Max. DC Current (B60°C 127°F)	2 x 130 A
Max. DC Current (B60°C 127°F)	2 x 110 A
Max. DC Current (B60°C 127°F)	2 x 110 A
Number of DC Ports(1)	1
AC Connection	Three-phase
Nominal AC Power Total (B60°C 127°F)	4056 kVA
Nominal AC Voltage, LV (N+L)	380 Vrms
Nominal AC Power Total (B60°C 127°F)	4298 kVA
Nominal AC Voltage, LV (N+L)	3810 Vrms
Maximum AC Current (B60°C 127°F)	1910 kVA
Maximum AC Current (B60°C 127°F)	3400 Arms
Terminal AC Voltage, LV (N+L)	> 240 V
Terminal AC Voltage, LV (N+L)	< 120 V
Power Frequency Range(1)	> 45 Hz
THD of AC Current	< 1% (50/60 Hz)
AC Current Protection	0 (inrush) - 1 - 0 (capacitive)
Protective devices	Motored disconnectors, Overvoltage protection (Type 1 + 2 + 3), DC ground fault and insulation detection
DC Connection	Motored AC circuit breakers, Overvoltage protection (Type 1 + 2 + 3), DC ground fault and insulation detection
Overvoltage Protection	Motored AC circuit breakers, Overvoltage protection (Type 1 + 2 + 3)
Emergency Push Button	Included
Components Proteus PV Station	Components Proteus PV Station
Transformer(s)	1 x Proteus PV 4300
Switchgear(s)	1 x Proteus PV 4300
Surge Arrestor(s)	1 x Proteus PV 4300
Customary Transformer(s)	1 x Proteus PV 4300
Other(s)	Auxiliary cabinet

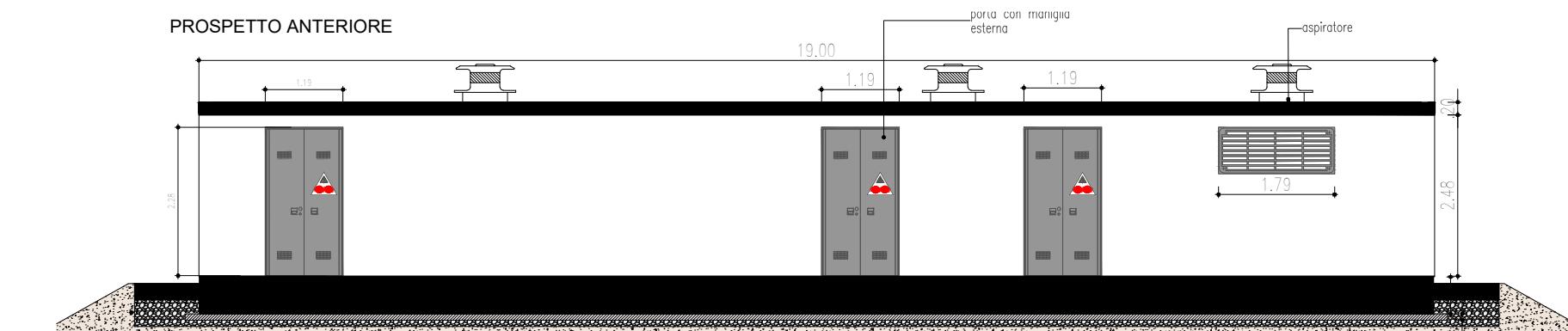
Gamesa Electric Proteus PV Station	
Number of Gamesa Electric Proteus PV Inverters	2 x Proteus PV 4300
DC Connection	2 x Proteus PV 4300
DC Voltage Range (MPPT)	835 - 1300 V
DC Voltage Range (MPPT)	875 - 1300 V
Number of Power Modules	2 x 28 (maximally isolated, 1 MPPT)
Max. DC Current (B60°C 127°F)	280 A
Max. DC Current (B60°C 127°F)	2 x 130 A
Max. DC Current (B60°C 127°F)	2 x 130 A
Max. DC Current (B60°C 127°F)	2 x 110 A
Max. DC Current (B60°C 127°F)	2 x 110 A
Number of DC Ports(1)	1
AC Connection	Three-phase
Nominal AC Power Total (B60°C 127°F)	8112 kVA
Nominal AC Voltage, LV (N+L)	380 Vrms
Nominal AC Power Total (B60°C 127°F)	7980 kVA
Nominal AC Voltage, LV (N+L)	3750 kVA
Maximum AC Current (B60°C 127°F)	3200 Arms
Terminal AC Voltage, LV (N+L)	> 240 V
Terminal AC Voltage, LV (N+L)	< 120 V
Power Frequency Range(1)	> 45 Hz
THD of AC Current	< 1% (50/60 Hz)
AC Current Protection	0 (inrush) - 1 - 0 (capacitive)
Protective devices	Motored disconnectors, Overvoltage protection (Type 1 + 2 + 3), DC ground fault and insulation detection
DC Connection	Motored AC circuit breakers, Overvoltage protection (Type 1 + 2 + 3), DC ground fault and insulation detection
Overvoltage Protection	Motored AC circuit breakers, Overvoltage protection (Type 1 + 2 + 3)
Emergency Push Button	Included
Components Proteus PV Station	Components Proteus PV Station
Transformer(s)	2 x Proteus PV 4300
Switchgear(s)	1 x Proteus PV 4300
Surge Arrestor(s)	1 x Proteus PV 4300
Customary Transformer(s)	1 x Proteus PV 4300
Other(s)	Auxiliary cabinet



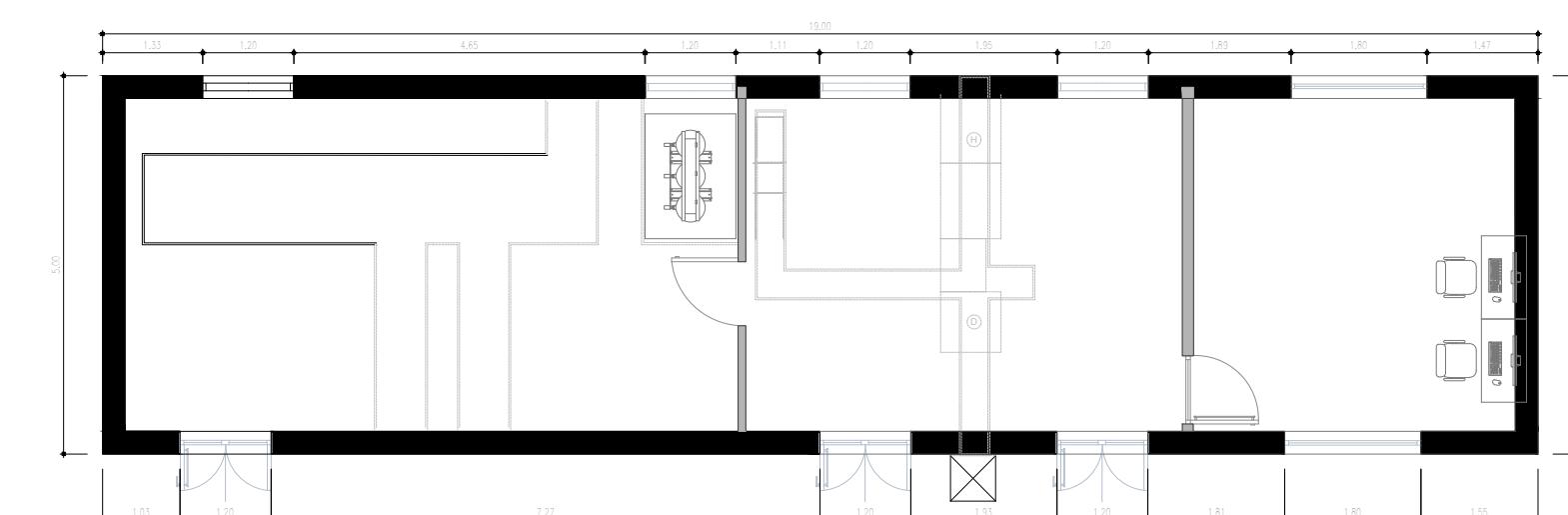
SOLUZIONE INTEGRATA SU SKID COMPOSTO DA DUE INVERTER E TRASFORMATORE



TIPOLOGIA SKID 2



PIANTA



OGGETTO:

"Progetto di un impianto agrivoltaico denominato "CSPV LACEDONIA", di potenza pari a 34,406 MWp e delle relative opere di connessione alla RTN, da realizzarsi nel comune di Lacedonia (AV) e Bisaccia (AV)"

ELABORATO:

Particolari costruttivi - Cabinati



PROPOSTORE:

ABEI ENERGY
GREEN ITALY IV SRL
16335511008

ABEI ENERGY GREEN ITALY IV S.R.L.
VIA VINCENZO BELLINI, 22
00198 - ROMA (RM)
P.IVA 16335511008

PROGETTAZIONE:
EGM PROJECT S.p.A.
Ing. Carmen Martone
Iscr. n. 1872
Ordine Ingegneri Potenza
C.F. MRTCMN73D56H703E

EGM PROJECT S.R.L.
VIA VERRASTRO 15/A
85100 - POTENZA (PZ)
P.IVA 02094310766
REA P2-206983

Livello prog.	Cat. opera	N°. prog.elaborato	Tipo elaborato	N° foglio	Tot. fogli	Nome file	Scala
PD	I.IF	A.35	D			A.35_Particolar..._Cabinati	
REV.	DATA	DESCRIZIONE	ESEGUITO	APPROVATO			
00	DICEMBRE 2023	Emissione	E. C. Martone	R. Nardone	EGM Project		