



NOTE

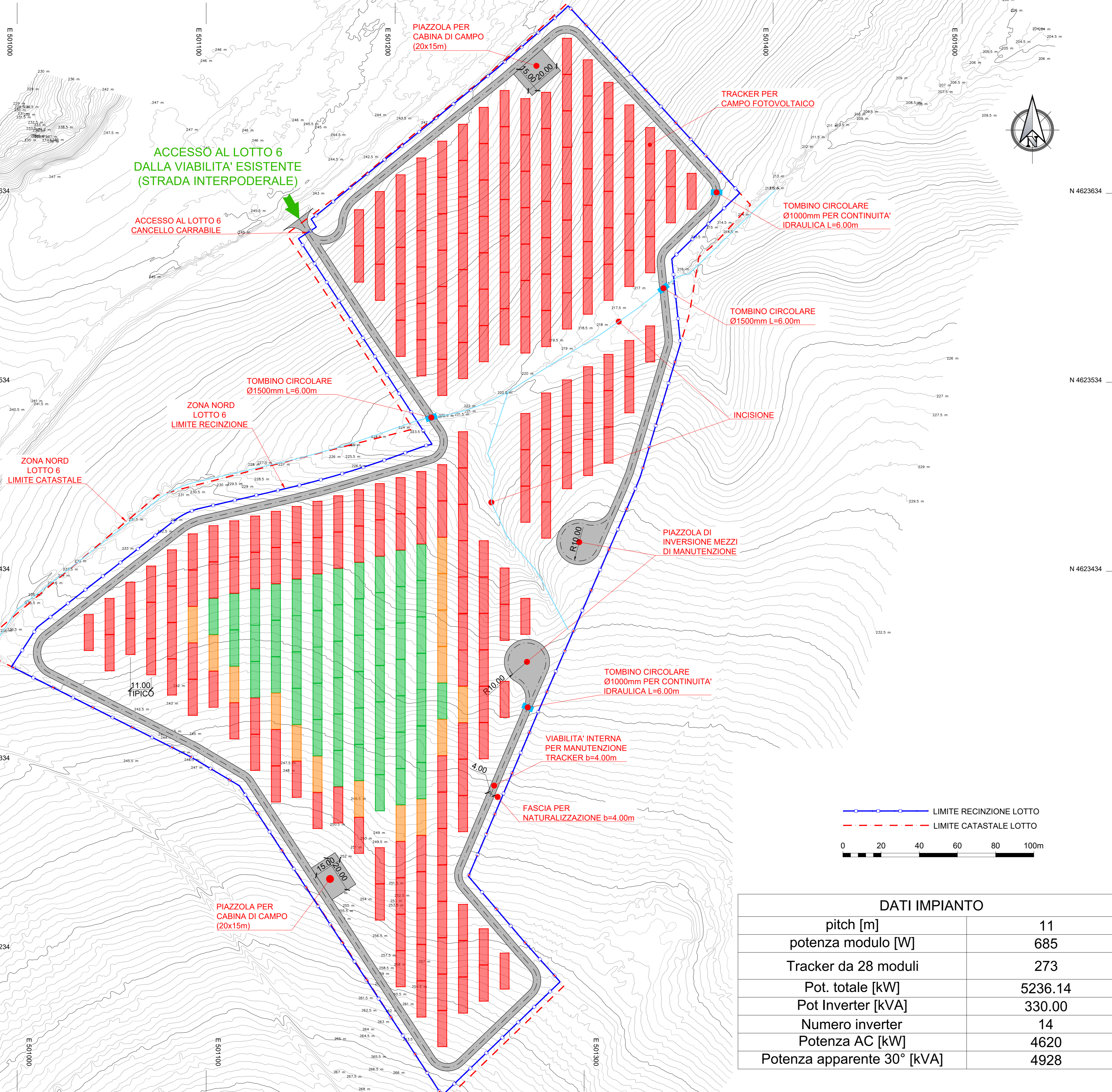
1. TUTTE LE DIMENSIONI SONO ESPRESSE IN m SALVO DOVE DIVERSAMENTE SPECIFICATO
2. TUTTE LE QUOTE ALTIMETRICHE SONO ESPRESSE IN m I.l.m.
3. TUTTE LE COORDINATE SONO RIFERITE AL SISTEMA UTM-WGS84 ZONA 33N

TRACKERS TOTALI: 273 (28M)

- 205 TRACKERS 1R\_EXT (28 M)
- 16 TRACKERS 1R\_MED1P (28 M)
- 52 TRACKERS 1R\_INT1P (28 M)

Montante	Profilo	Materiale	Infissione [m]	Unità	
Zone I C Central Post	1R_EXT	HEA 180	S355	4.50	205
Zone I C Lateral Post	1R_EXT	IPEA 220	S355	4.20	820
Zone III P1 Central Post	1R_MED1P	HEA 160	S355	5.50	16
Zone III P1 Lateral Post	1R_MED1P	IPEA 220	S355	4.50	16
Zone III P1 Lateral Post Perimeter	1R_MED1P	IPEA 240	S355	5.00	16
Zone IV P1 Central Post	1R_INT1P	HEA 160	S355	5.50	52
Zone IV P1 Lateral Post	1R_INT1P	IPEA 220	S355	4.50	52
Zone IV P1 Lateral Post Perimeter	1R_INT1P	IPEA 240	S355	4.50	52

DATI IMPIANTO	
pitch [m]	11
potenza modulo [W]	685
Tracker da 28 moduli	273
Pot. totale [kW]	5236.14
Pot Inverter [kVA]	330.00
Numero inverter	14
Potenza AC [kW]	4620
Potenza apparente 30° [kVA]	4928



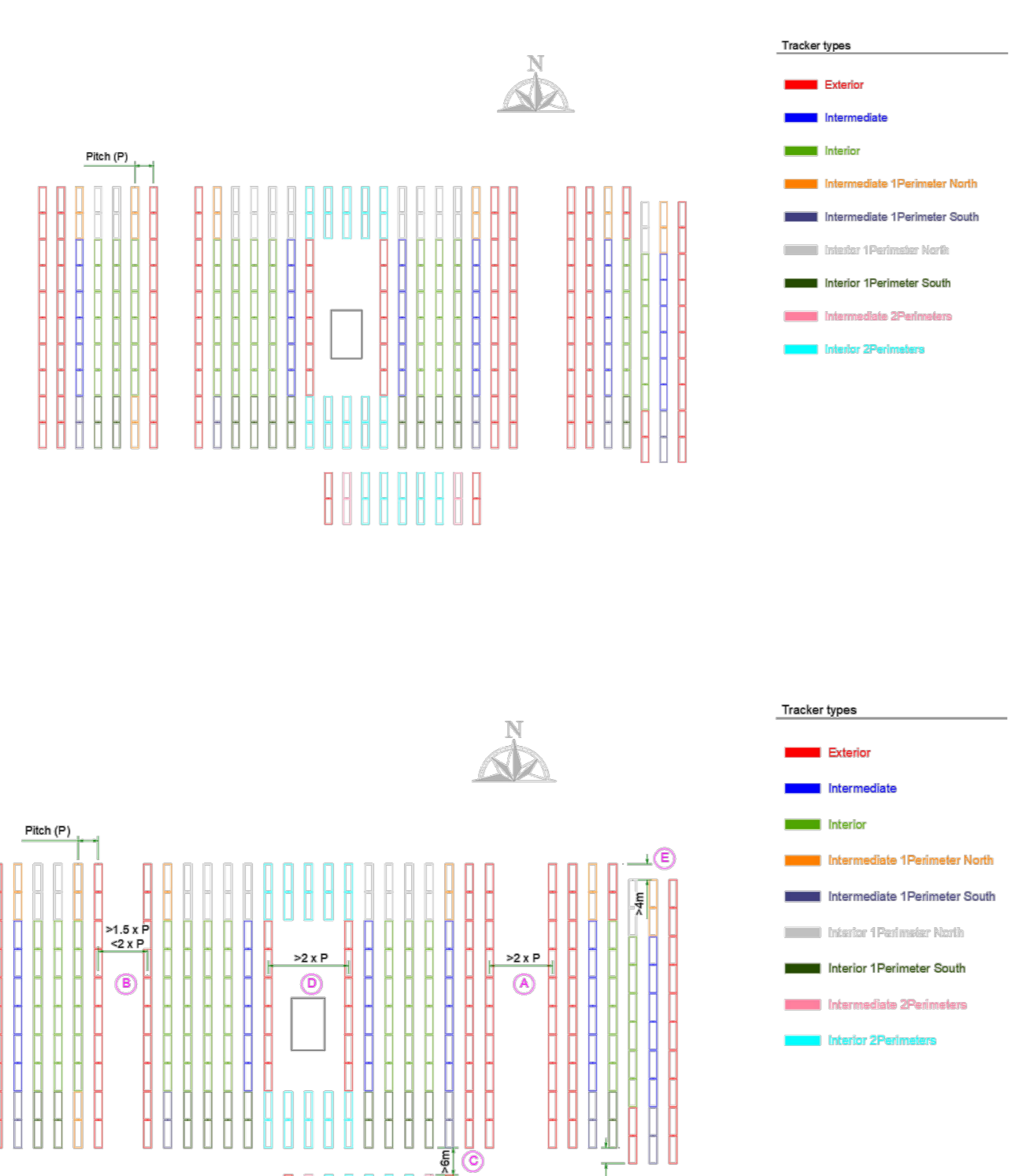
**Exterior trackers:** Most exposed to the wind and more robust trackers, they are in the EW perimeter areas. For these tracker types there is no difference in perimeter are North or South.

**Intermediate trackers:** Medium exposed to the wind, they are in between the exterior and interior trackers.

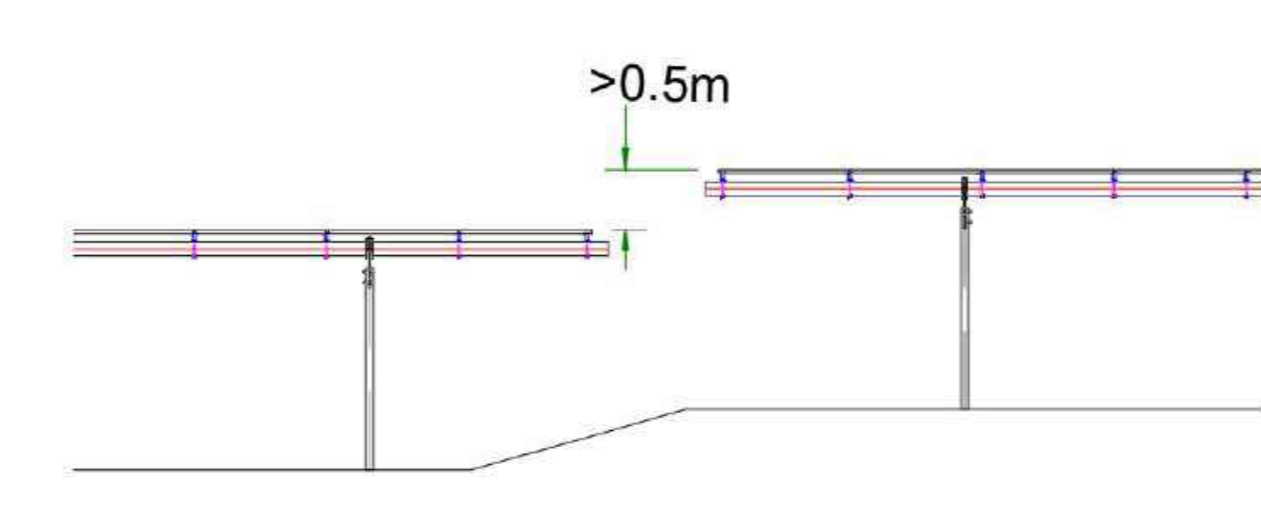
**Interior trackers:** 3rd tracker into the array and on. Less exposed to the wind and lighter trackers. They are covered by other trackers in the four quadrants.

**Perimeter trackers:** It affects to the intermediate and interior trackers, they have piles, panel rails and torque tube reinforced in the end area because this wing is exposed to the perimeter.

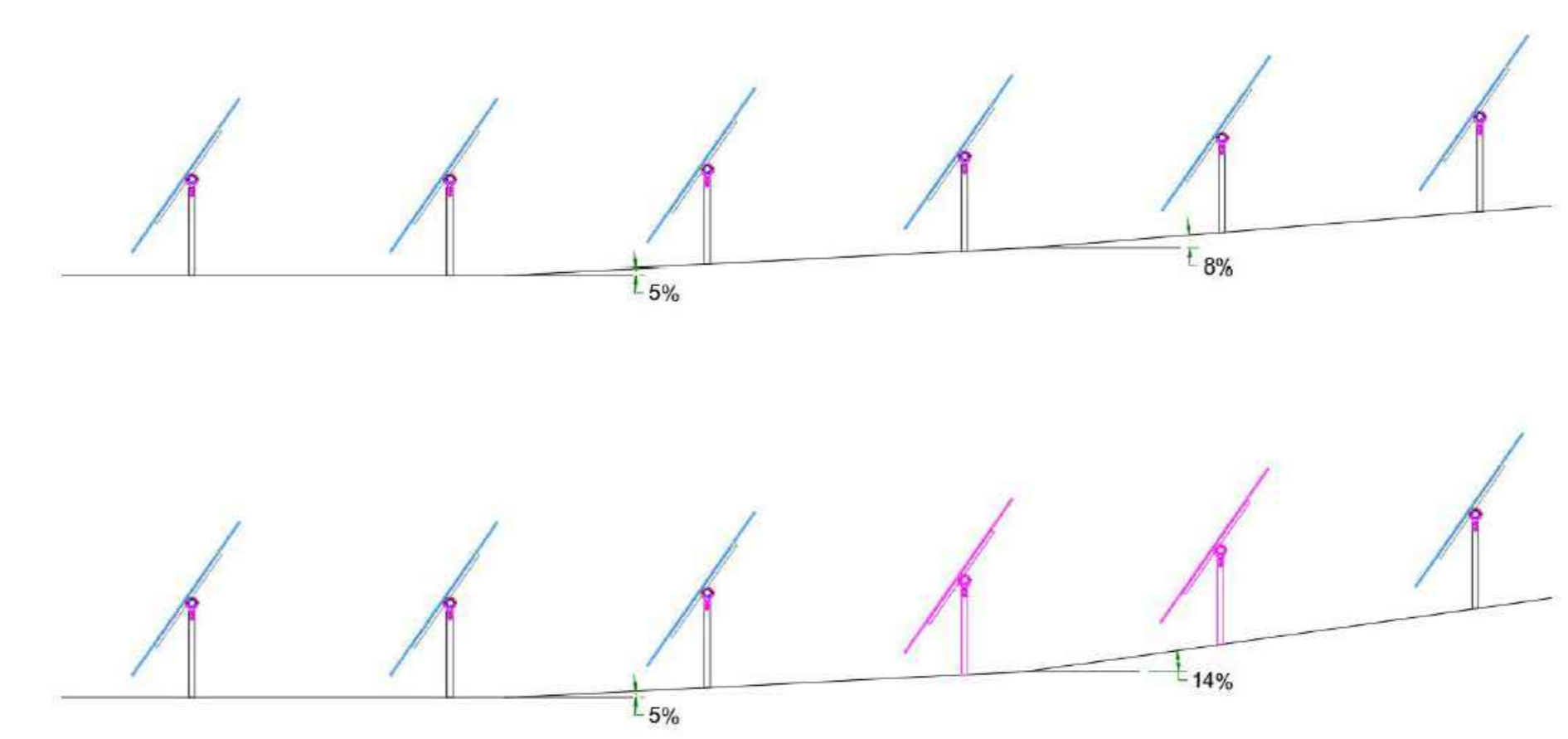
**2Perimeter trackers:** It affects to the intermediate and interior trackers, they have piles, panel rails and torque tube reinforced in the end area because the two wings are exposed to the perimeter.



**North South effect:**  
For differences in height between the neighbour tracker at north or south higher than 0.5m, both trackers must be considered as perimeter.



**East West effect:**  
For changes of slope higher than 5%, both trackers must be considered as exterior.



- For pitches higher than the double the series of exterior intermediate-interior is repeated.
- For pitches between 1.5 and 2 times the standard only one exterior tracker is necessary in the central area of the aisle followed of interior trackers, so intermediate is not necessary
- For separations higher than 6m in EW roads, perimeter trackers must be added
- In case of inverters in middle of the aisle, perimeter and the series of ext-interim-tracker must be added
- In case of misaligned trackers, for spaces higher than 8m an exterior tracker followed of the corresponding intermediate must be defined.

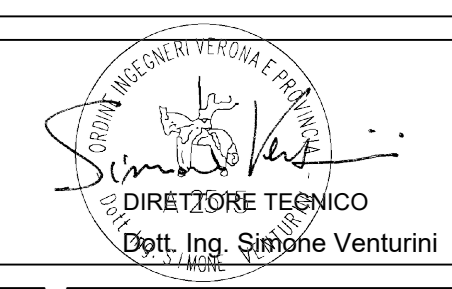


PROGETTO DEFINITIVO DI UN IMPIANTO AGRO-FOTOVOLTAICO DELLA POTENZA COMPLESSIVA DI 57 MWp, E RELATIVE OPERE DI CONNESSIONE ALLA RETE, CON SISTEMA DI ACCUMULO DI CAPACITA' PARI A 10 MWh DA REALIZZARSI NEL COMUNE DI ROTELLO E MONTELONGO (CB)

PROGETTO DEFINITIVO

COMMITTENTE: ROTELLO SOLAR s.r.l.

PROGETTISTA:



TITOLO ELABORATO: PARTICOLARI COSTRUTTIVI TRACKERS - FONDAZIONI ZONA NORD - LOTTO 6

ELABORATO n°: B020F-D-RO26-GEN-TP-00  
 NOME FILE: B020F-D-RO26-GEN-TP-00-00.DWG  
 SCALA: 1:1000  
 DATA: Dicembre 2022

N.	DATA	DESCRIZIONE	ELABORATO	CONTROLLATO	APPROVATO
00	01 Dicembre 2022	Emissione	R. Minola	M. Palvarini	S. Venturini
01					
02					
03					
04					