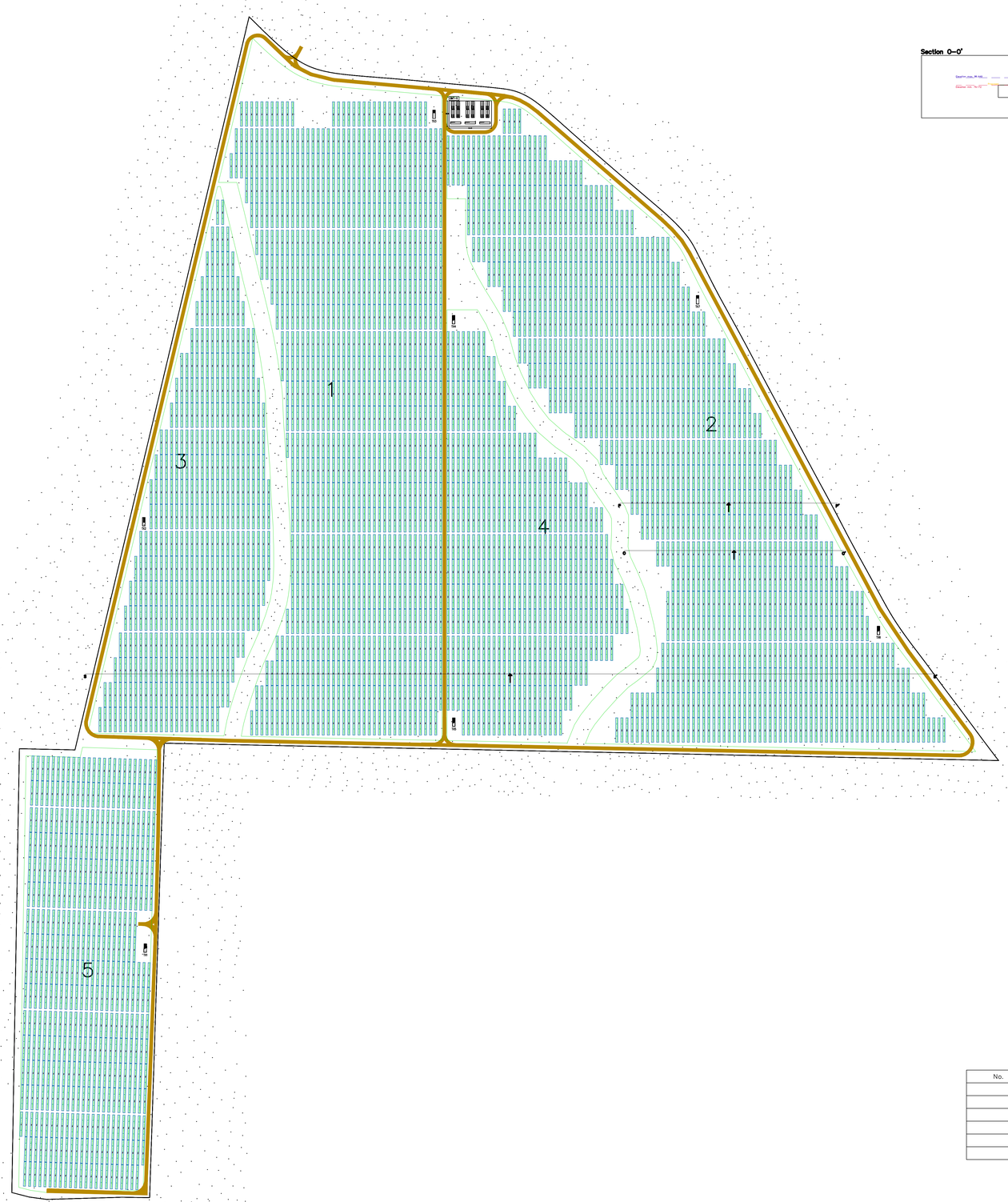
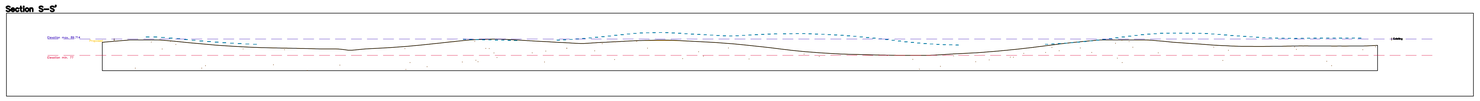
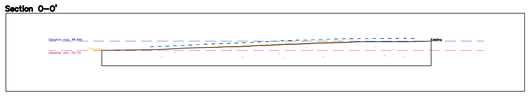


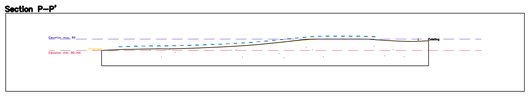
Section S–S'



Section O–O'



Section P–P'



Total capacity, kWp	44460
Module power, Wp	625
Module quantity	71136
Road length, m.	4818.526
Trench length, m.	0
Fence length, m.	4460.567
Total grade, m^3	FILL:515.504
String quantity	2964
String inverter quantity	114
Transformer quantity	7

No.	TR_1P*24	Modules	Module power, Wp	Avg. pitch, m	Area, m^2	Capacity, kWp	CUT, m^3	FILL, m^3	Net, m^3
1	840	20160	625	6.000	160059.538	12600.000	347.841	347.841	-15.703
2	931	22344	625	6.000	191040.182	13965.000	707.224	1407.14	700.136
3	390	9360	625	6.000	77069.565	5850.000	1016.888	1016.888	0.000
4	387	9288	625	6.000	76976.988	5805.000	415.402	415.402	-0.159
5	416	9984	625	6.000	77185.905	6240.000	357.188	357.188	-153.639
Total	2964	71136		6.000	582332.178	44460.000	3525.422	3950.926	525.504

Device	Device amount	DC power, kWp	AC power, kW	DC/AC
Transformer T1-1	10/20	6240.000	5632.000	1.110
Inverter T1-INV-1	26	390.000	352.000	1.110
Inverter T1-INV-2	26	390.000	352.000	1.110
Inverter T1-INV-3	26	390.000	352.000	1.110
Inverter T1-INV-4	26	390.000	352.000	1.110
Inverter T1-INV-5	26	390.000	352.000	1.110
Inverter T1-INV-6	26	390.000	352.000	1.110
Inverter T1-INV-7	26	390.000	352.000	1.110
Inverter T1-INV-8	26	390.000	352.000	1.110
Inverter T1-INV-9	26	390.000	352.000	1.110
Inverter T1-INV-10	26	390.000	352.000	1.110
Inverter T1-INV-11	26	390.000	352.000	1.110
Inverter T1-INV-12	26	390.000	352.000	1.110
Inverter T1-INV-13	26	390.000	352.000	1.110
Inverter T1-INV-14	26	390.000	352.000	1.110
Inverter T1-INV-15	26	390.000	352.000	1.110
Inverter T1-INV-16	26	390.000	352.000	1.110
Transformer T1-2	14/14	5460.000	4928.000	1.110
Inverter T1-INV-1	26	390.000	352.000	1.110
Inverter T1-INV-2	26	390.000	352.000	1.110
Inverter T1-INV-3	26	390.000	352.000	1.110
Inverter T1-INV-4	26	390.000	352.000	1.110
Inverter T1-INV-5	26	390.000	352.000	1.110
Inverter T1-INV-6	26	390.000	352.000	1.110
Inverter T1-INV-7	26	390.000	352.000	1.110
Inverter T1-INV-8	26	390.000	352.000	1.110
Inverter T1-INV-9	26	390.000	352.000	1.110
Inverter T1-INV-10	26	390.000	352.000	1.110
Inverter T1-INV-11	26	390.000	352.000	1.110
Inverter T1-INV-12	26	390.000	352.000	1.110
Inverter T1-INV-13	26	390.000	352.000	1.110
Inverter T1-INV-14	26	390.000	352.000	1.110
Transformer T2-1	12/14	4680.000	4224.000	1.110
Inverter T2-INV-1	26	390.000	352.000	1.110
Inverter T2-INV-2	26	390.000	352.000	1.110
Inverter T2-INV-3	26	390.000	352.000	1.110
Inverter T2-INV-4	26	390.000	352.000	1.110
Inverter T2-INV-5	26	390.000	352.000	1.110
Inverter T2-INV-6	26	390.000	352.000	1.110
Inverter T2-INV-7	26	390.000	352.000	1.110
Inverter T2-INV-8	26	390.000	352.000	1.110
Inverter T2-INV-9	26	390.000	352.000	1.110
Inverter T2-INV-10	26	390.000	352.000	1.110
Inverter T2-INV-11	26	390.000	352.000	1.110
Inverter T2-INV-12	26	390.000	352.000	1.110
Transformer T3-1	20/20	7800.000	7040.000	1.110
Inverter T3-INV-1	26	390.000	352.000	1.110
Inverter T3-INV-2	26	390.000	352.000	1.110
Inverter T3-INV-3	26	390.000	352.000	1.110
Inverter T3-INV-4	26	390.000	352.000	1.110
Inverter T3-INV-5	26	390.000	352.000	1.110
Inverter T3-INV-6	26	390.000	352.000	1.110
Inverter T3-INV-7	26	390.000	352.000	1.110
Inverter T3-INV-8	26	390.000	352.000	1.110
Inverter T3-INV-9	26	390.000	352.000	1.110
Inverter T3-INV-10	26	390.000	352.000	1.110
Inverter T3-INV-11	26	390.000	352.000	1.110
Inverter T3-INV-12	26	390.000	352.000	1.110
Inverter T3-INV-13	26	390.000	352.000	1.110
Inverter T3-INV-14	26	390.000	352.000	1.110
Inverter T3-INV-15	26	390.000	352.000	1.110
Inverter T3-INV-16	26	390.000	352.000	1.110
Inverter T3-INV-17	26	390.000	352.000	1.110
Inverter T3-INV-18	26	390.000	352.000	1.110
Inverter T3-INV-19	26	390.000	352.000	1.110
Inverter T3-INV-20	26	390.000	352.000	1.110
Transformer T4-1	20/20	7800.000	7040.000	1.110
Inverter T4-INV-1	26	390.000	352.000	1.110
Inverter T4-INV-2	26	390.000	352.000	1.110
Inverter T4-INV-3	26	390.000	352.000	1.110
Inverter T4-INV-4	26	390.000	352.000	1.110
Inverter T4-INV-5	26	390.000	352.000	1.110
Inverter T4-INV-6	26	390.000	352.000	1.110
Inverter T4-INV-7	26	390.000	352.000	1.110
Inverter T4-INV-8	26	390.000	352.000	1.110
Inverter T4-INV-9	26	390.000	352.000	1.110
Inverter T4-INV-10	26	390.000	352.000	1.110
Inverter T4-INV-11	26	390.000	352.000	1.110
Inverter T4-INV-12	26	390.000	352.000	1.110
Inverter T4-INV-13	26	390.000	352.000	1.110
Inverter T4-INV-14	26	390.000	352.000	1.110
Inverter T4-INV-15	26	390.000	352.000	1.110
Inverter T4-INV-16	26	390.000	352.000	1.110
Inverter T4-INV-17	26	390.000	352.000	1.110
Inverter T4-INV-18	26	390.000	352.000	1.110
Inverter T4-INV-19	26	390.000	352.000	1.110
Inverter T4-INV-20	26	390.000	352.000	1.110
Transformer T5-1	12/14	4680.000	4224.000	1.110
Inverter T5-INV-1	26	390.000	352.000	1.110
Inverter T5-INV-2	26	390.000	352.000	1.110
Inverter T5-INV-3	26	390.000	352.000	1.110
Inverter T5-INV-4	26	390.000	352.000	1.110
Inverter T5-INV-5	26	390.000	352.000	1.110
Inverter T5-INV-6	26	390.000	352.000	1.110
Inverter T5-INV-7	26	390.000	352.000	1.110
Inverter T5-INV-8	26	390.000	352.000	1.110
Inverter T5-INV-9	26	390.000	352.000	1.110
Inverter T5-INV-10	26	390.000	352.000	1.110
Inverter T5-INV-11	26	390.000	352.000	1.110
Inverter T5-INV-12	26	390.000	352.000	1.110

Angle min., %	Angle max., %	Distribution, %	Color
0.00	0.00	4.55	
0.00	5.00	51.93	
5.00	10.00	38.79	
10.00	15.00	4.72	
15.00	142.81	0.01	

No.	TR_1P*24	Modules	Module power, Wp	Avg. pitch, m	Area, m^2	Capacity, kWp
1	840	20160	625	6.000	160059.538	12600.000
2	931	22344	625	6.000	191040.182	13965.000
3	390	9360	625	6.000	77069.565	5850.000
4	387	9288	625	6.000	76976.988	5805.000
5	416	9984	625	6.000	77185.905	6240.000
Total	2964	71136		6.000	582332.178	44460.000

From	To	Color
−Infinity	−0.3	
−0.3	−0.2	
−0.2	−0.1	
−0.1	0.1	
0.1	0.2	
0.2	0.3	
0.3	Infinity	

Amato Vito Angelo
Ordine Ingegneri di Livorno
Ingegnere
14.12.2023 21:51:19 GMT+01:00

DISEGNI DI RIFERIMENTO

CODIFICA LOGOS_REN	CODIFICA CLIENTE	DESCRIZIONE
AV.MAN.DE.IM.D.034		SCHEMA ELETTRICO UNIFILARE
	05_20220413_MG54400-LI	SUNGROW DATASHEET

NOTE

Rev.	Descrizione–Description	Preparato	Controllato	Approvato	Data
A	Prima emissione	LOGOS REN	D. Barbaro	E.Sonno	26.09.2023

INDICE DELLE REVISIONI

LogosREN srl energia

SINTECNICA

Impianto: PASCOLO SOLARE MACCABOVE

Cliente: edp Renewables

Titolo tavola: LAYOUT GENERALE IMPIANTO FOTOVOLTAICO MANCIANO (44,46MWp)

Commessa	N° Documento	Nome file	Formato	Rev.	Scala	Foglio
6201	AV.MAN.DE.IM.D.031	031–Layout generale Impianto_A	A0	A	1:2000	1 di 1

DOCUMENTO DI PROPRIETA' LOGOS REN srl – RIPRODUZIONE VIETATA SENZA AUTORIZZAZIONE