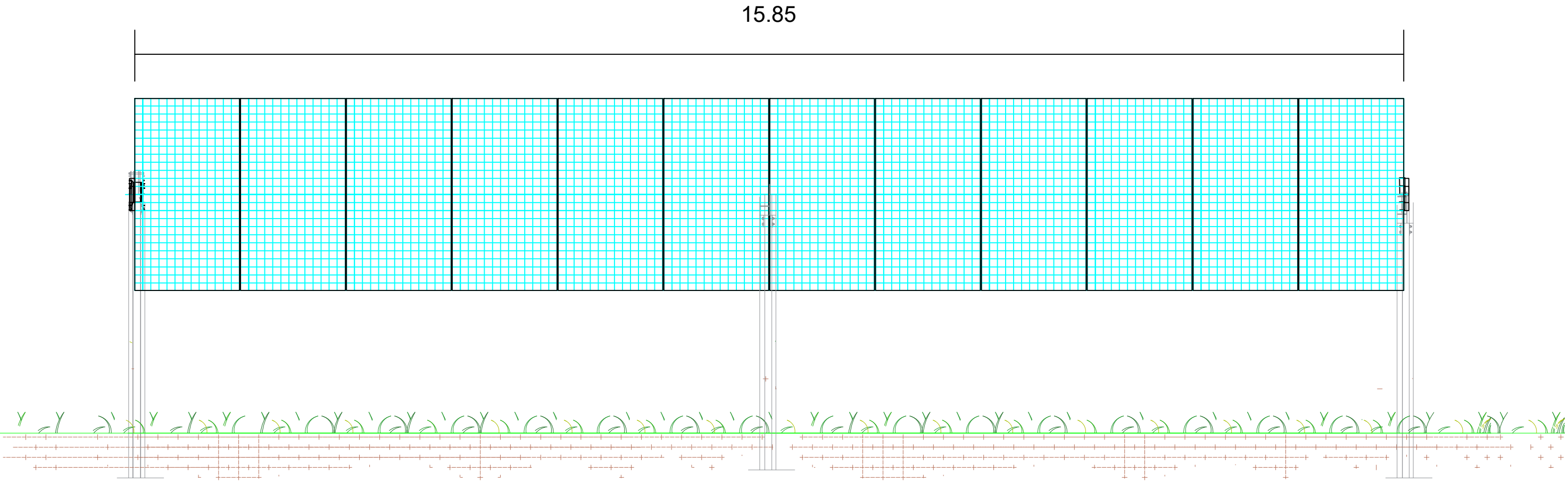
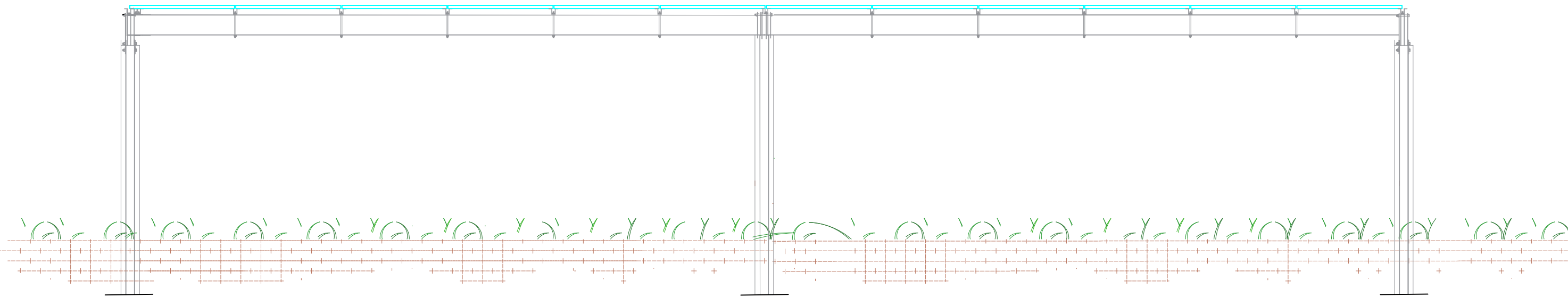


PROSPETTO LONGITUDINALE - 12 PANNELLI

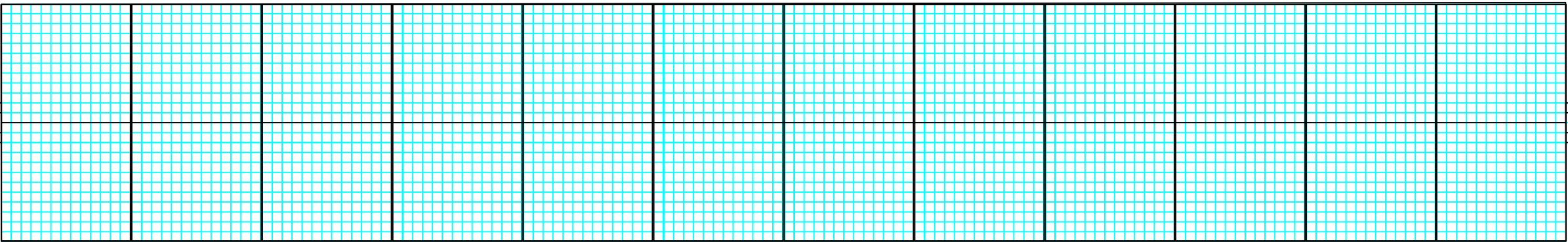
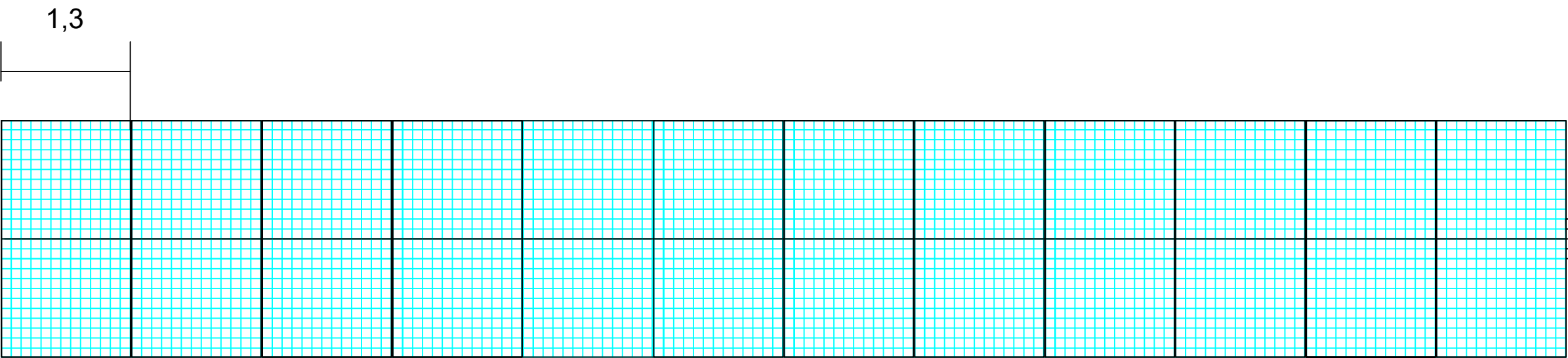


PROSPETTO LATERALE con moduli a 60° Scala 1:50

PROSPETTO LONGITUDINALE

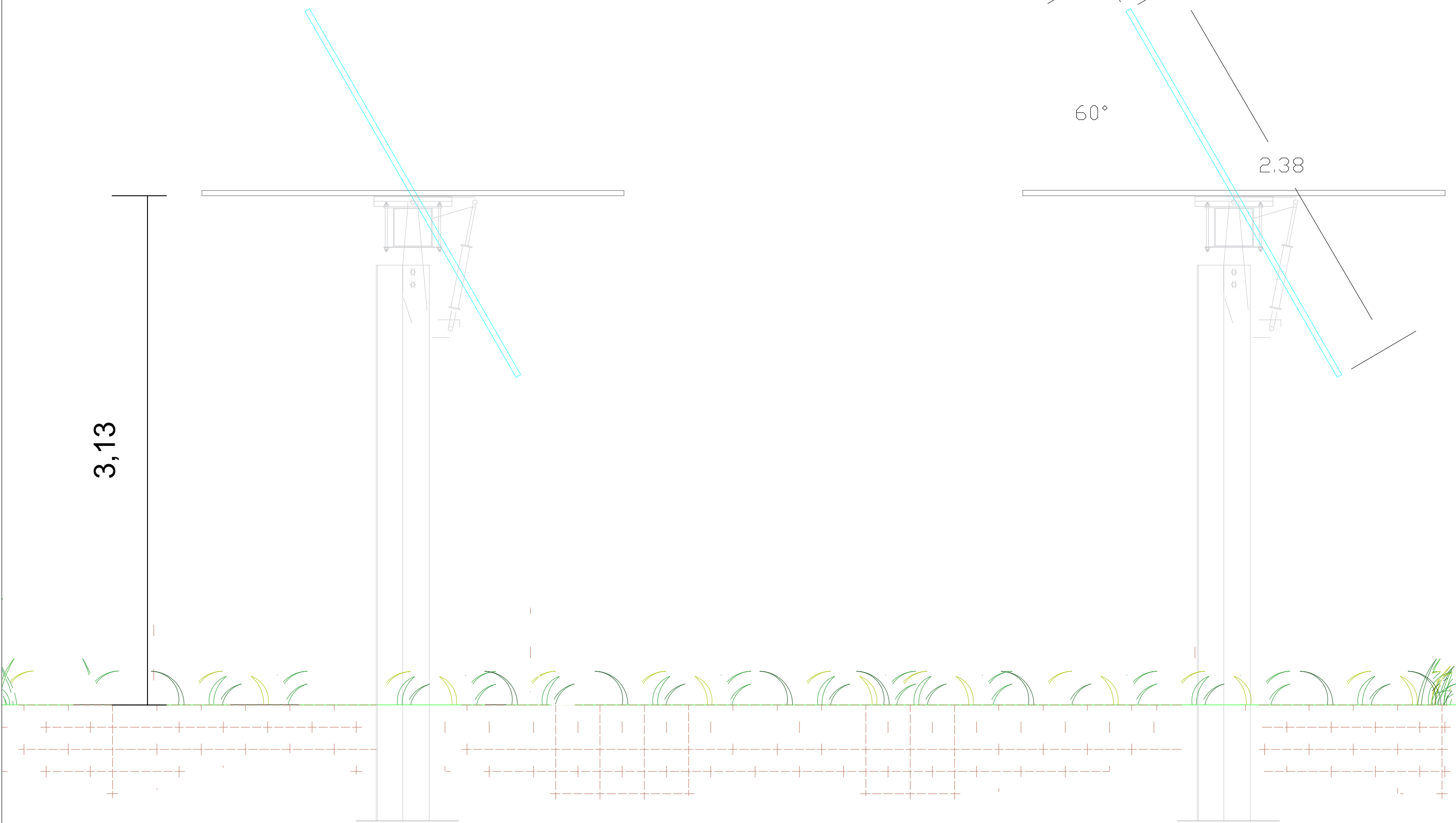


PROSPETTO LATERALE con moduli a 0° Scala 1:50



PIANTA
Scala 1:50

PROSPETTO TRASVERSALE



PROSPETTO FRONTALE Scala 1:20

SCHEDA TECNICA MODULO
FOTOVOLTAICO

Mechanical Specification

Format: 2384mm x 1303mm ± 35 mm (including frame)
Weight: 39.0 kg (86 lb)
Front Cover: 2.0 mm (0.08 in) thermally pre-stressed glass with anti-reflection technology
Back Cover: 2.0 mm (0.08 in) semi-tempered glass
Frame: Anodized aluminium
Cell: 6 x 26 monocrystalline 1/12 NEO solar half cells
Junction box: Protection class IP68, with bypass diodes
Cable: 4 mm² Solar cable, (+) x 350mm (13.78in), (-) x 350mm (13.78in)
Connector: Stäubli MCA-Evo2/MCA or MCA Compatible

Electrical Characteristics

POWER CLASS	725	730	735	740	745	750							
MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC POWER TOLERANCE +5 W / -0 W													
Power at MPP ¹	P _{MP} [W]	NMOT ¹	NMOT ¹	NMOT ¹	NMOT ¹	NMOT ¹							
Short Circuit Current ²	I _{sc} [A]	17.64	14.23	17.66	14.25	17.68	14.26	17.70	14.28	17.72	14.30	17.74	14.31
Open Circuit Voltage ²	V _{oc} [V]	50.98	48.96	50.99	48.97	51.00	48.98	51.01	48.99	51.02	49.00	51.03	49.01
Current at MPP ²	I _{mp} [A]	16.61	13.27	16.67	13.31	16.72	13.35	16.78	13.40	16.84	13.46	16.89	13.49
Voltage at MPP ²	V _{mp} [V]	43.66	41.83	43.81	42.00	43.96	42.18	44.11	42.24	44.26	42.38	44.41	42.56
Efficiency ³	η [%]	23.3	23.5	23.7	23.8	24.0	24.1						
Bifaciality of P _{mp} and I _{sc} 80% ± 5% • Bifaciality given for rear side irradiation on top of STC (front side) • According to IEC 60904-1-2													
Measurement tolerances P _{mp} ±3 %, I _{sc} ±3% at STC 1000 W/m², 1000 W/m², NMOT, spectrum AM 1.5													
Bifacial Output ⁴													
725 730 735 740 745 750													
+5	[W]	761.3	766.5	771.8	777.0	782.3	787.5						
+10	[W]	797.5	803.0	808.5	814.0	819.5	825.0						
+15	[W]	833.8	839.5	845.3	851.0	856.8	862.5						
+20	[W]	870.0	876.0	882.0	888.0	894.0	900.0						
+25	[W]	906.3	912.5	918.8	925.0	931.3	937.5						
+30	[W]	942.5	949.0	955.5	962.0	968.5	975.0						

¹ Bifaciality Factor= 90% • Back-side power gain depends upon the specific project albedo • Efficiency is according to the surface of the module

PERFORMANCE WARRANTY

PERFORMANCE AT LOW IRRADIANCE

TEMPERATURE COEFFICIENTS

Temperature Coefficient of I _{sc}	α [%/K]	+0.04	Temperature Coefficient of V _{oc}	β [%/K]	-0.24
Temperature Coefficient of P _{mp} <th>γ [%/K]</th> <th>-0.30</th> <th>Nominal Module Operating Temperature</th> <th>NMOT [°F]</th> <th>43±3 °C (109±5.4)</th>	γ [%/K]	-0.30	Nominal Module Operating Temperature	NMOT [°F]	43±3 °C (109±5.4)

Properties for System Design

Maximum System Voltage	V _{sys} [V]	1500	PV module classification	Class II
Maximum Series Fuse Rating	[A DC]	35	Fire Rating based on ANSI / UL 61730	TYPE 2P ¹
Max. Pull Load ² Test / Design	[lbs / RT]	113 (5400 Pa) / 75 (3600 Pa)	Permitted Module Temperature on Continuous Duty	-40°F up to +185°F
Max. Pull Load ² Test / Design	[lbs / RT]	78 (3750 Pa) / 52 (2500 Pa)		

¹ See Installation Manual for instructions ² New Type is similar to Type 3 but with metallic frame

REGIONE EMILIA-ROMAGNA
PROVINCIA DI FERRARA
COMUNE DI FERRARA

PROGETTAZIONE DI UN IMPIANTO AGRIVOLTAICO AVANZATO
DA 56,07 MW DENOMINATO "CUNIOLA" LOCALIZZATO NEL
COMUNE DI FERRARA (FE) - EMILIA-ROMAGNA

ELABORATO
EP_10 PARTICOLARE STRUTTURE DI SOSTEGNO E PANNELLI

PROPONENTE:
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Dott. Ing. Attilio De Palma
Ordine ingegneri di Bari n. 12480

INGEGNERE
CATALDO COLAMARTINO
SELEZIONE E VERIFICA
DELLA PROGETTAZIONE
PROVINCIA DI BARI

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PROVINCIA DI BARI

Rev	Data	Descrizione	Eseguito	Verificato	Approvato
00	GIU 2026	PROGETTO DEFINITIVO	C.C. A.D.	S.A.	S.A.