

**REALIZZAZIONE IMPIANTO FOTOVOLTAICO A TERRA SU TERRENO AGRICOLO DI POTENZA DI PICCO PARI A 69,1 MWp e POTENZA NOMINALE PARI A 60 MW UBICATO IN LOCALITA' CORTE SERRAGLIONA NEL COMUNE DI CODIGORO (FE)**

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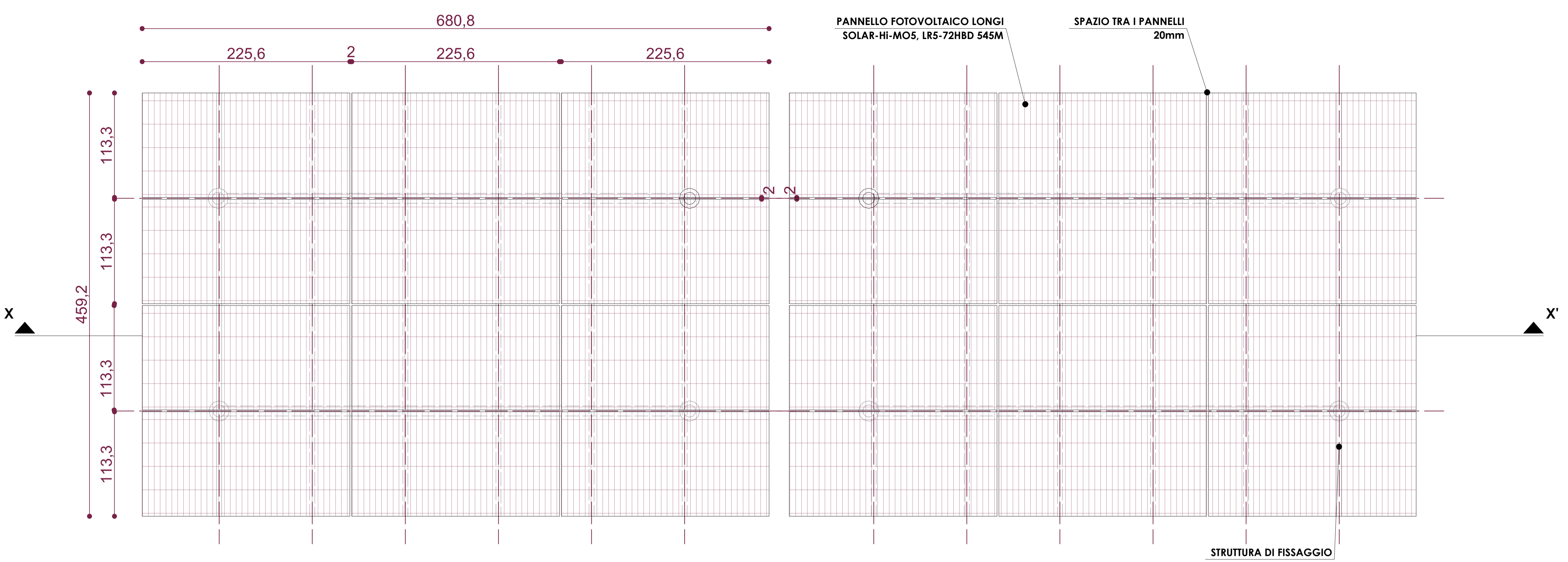
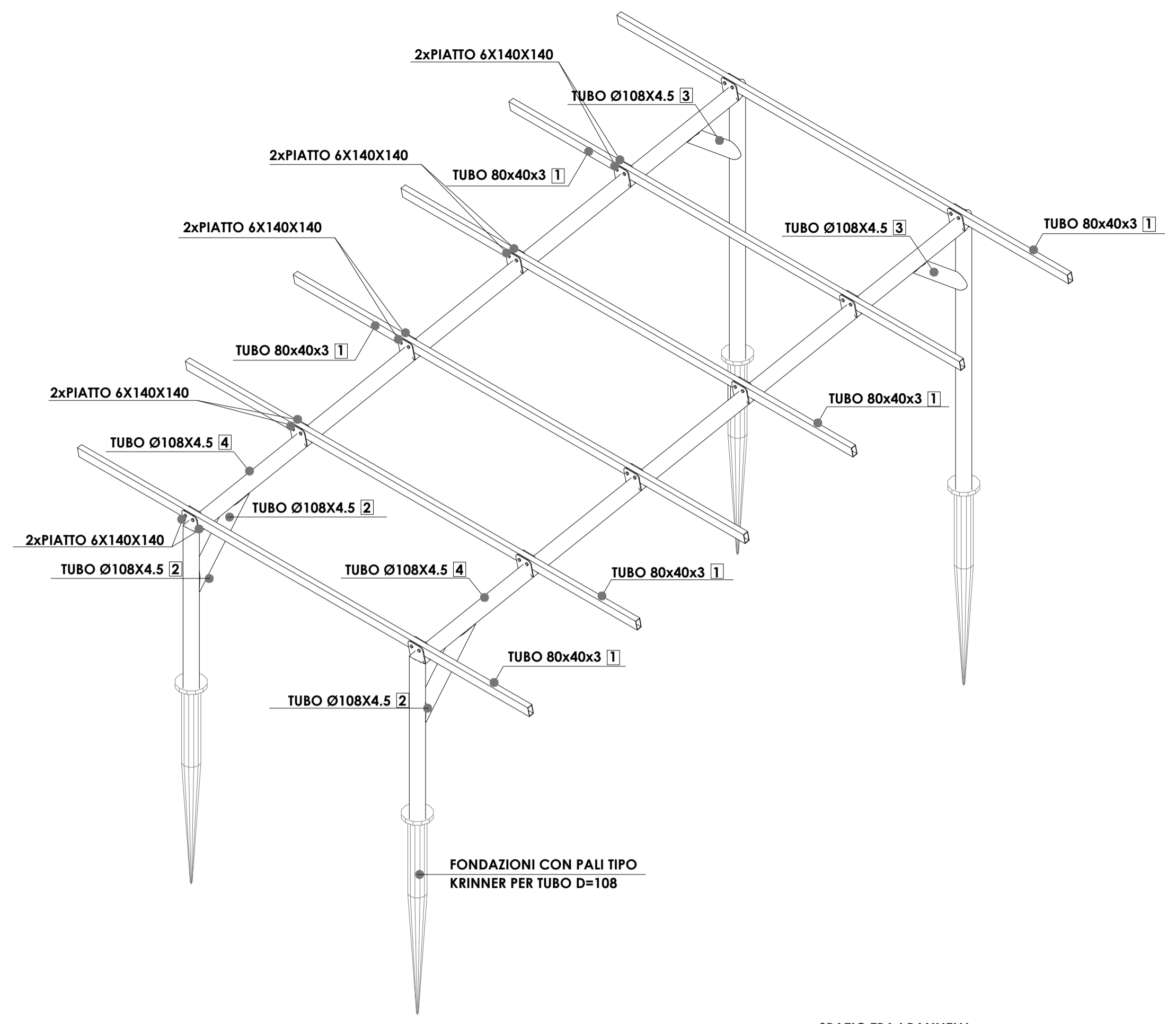
N. ELABORATO: **B14** ELABORATO: **ARCHITETTONICI PANNELLI**

SCALA: **varie** RIFERIMENTO PRATICA: **IMPIANTO FV LEONA SUD**

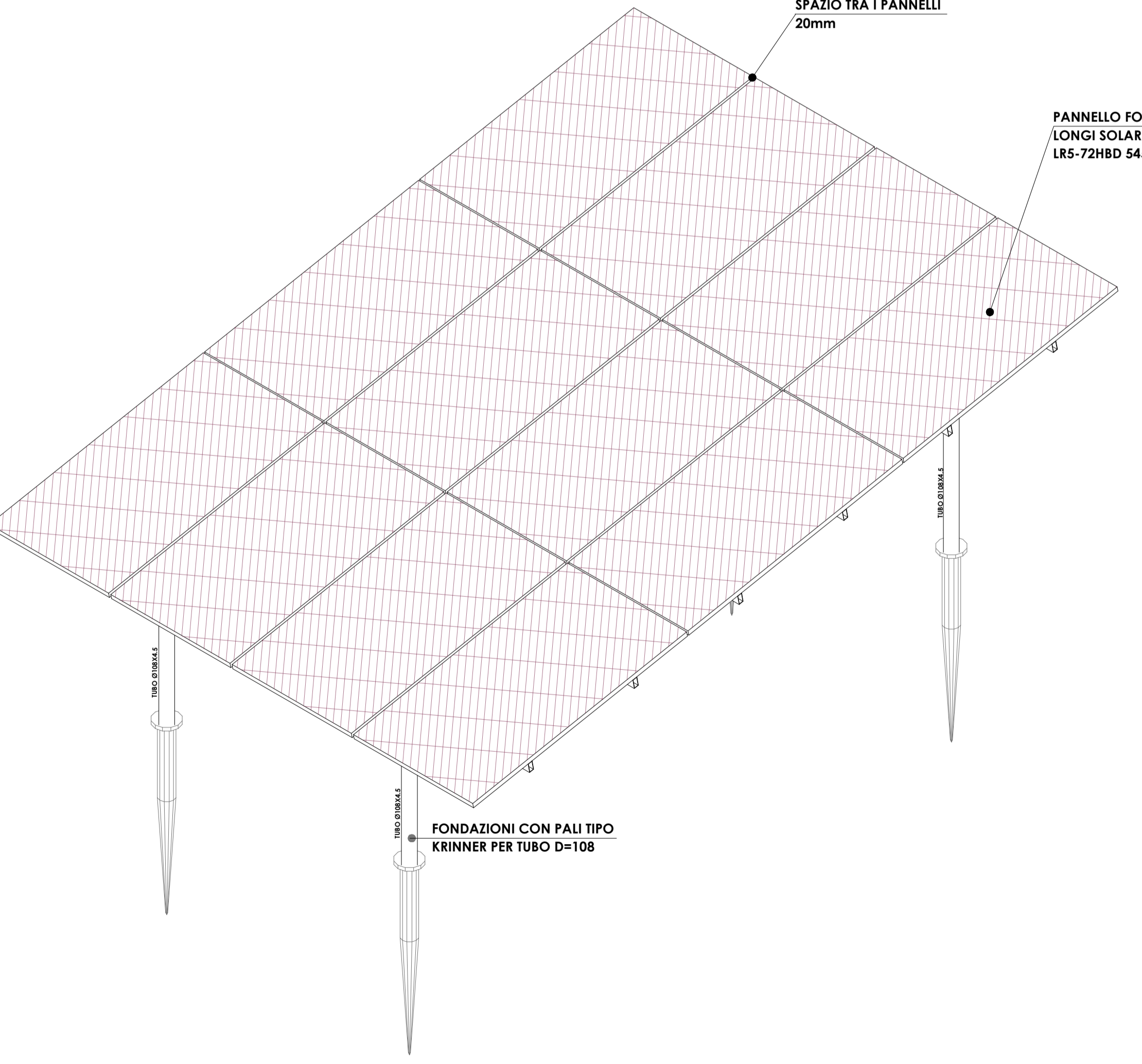
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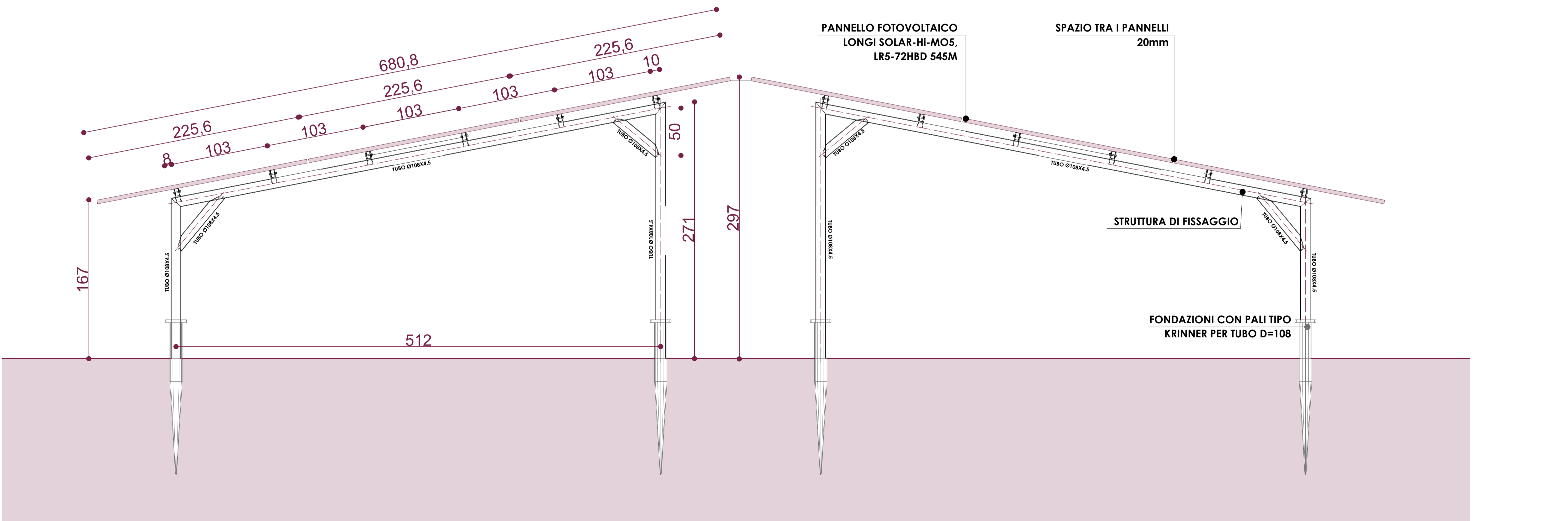
**STRUTTURA DI SOSTEGNO PANNELLI**



PIANTA scala 1:25



VISTE ASSONOMETRICHE



SEZIONE X-X' scala 1:25

**Hi-MO5 LR5-72HBD 520~545M**

21.3% EFFICIENCY	0~+5W TOLERANCE	<2% POWER DEGRADATION	0.45% POWER DEGRADATION	HALF-CELL Lower operating temperature
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**Additional Value**

- 30 Year Power Warranty
- 30% Power at 30 years
- 44.95% Efficiency

**Mechanical Parameters**

- Cell Orientation: 144 (6x24)
- Junction Box: IP68, three diodes
- Output Cable: 4mm<sup>2</sup>, positive 40V / negative 100mm length can be customized
- Glass: Dual glass, 2.5mm coated tempered glass
- Frame: Anodized aluminum alloy frame
- Weight: 30.5kg
- Dimension: 2256x1133x35mm
- Packaging: 31 pcs per pallet / 155 pcs per 20' GP / 620 pcs per 40' HC

**Electrical Characteristics** STC: AM1.5 1000W/m<sup>2</sup> 25°C Temperature Coefficient: -0.45%/°C

Power Class	520	525	530	535	540	545
Maximum Power (P <sub>max</sub> /W)	520	525	530	535	540	545
Open Circuit Voltage (V <sub>oc</sub> /V)	49.90	49.95	49.95	49.95	49.95	49.95
Short Circuit Current (I <sub>sc</sub> /A)	13.67	13.66	13.71	13.71	13.85	13.85
Voltage at Maximum Power (V <sub>mp</sub> /V)	41.05	41.20	41.35	41.50	41.65	41.80
Current at Maximum Power (I <sub>mp</sub> /A)	13.67	13.75	13.82	13.90	13.97	13.94
Module Efficiency (%)	20.3	20.5	20.7	20.9	21.1	21.3

**Operating Parameters**

- Operational Temperature: -40°C ~ +60°C
- Power Output Tolerance: 0 ~ +0.5 W
- Voc and Isc Tolerance: ±3%
- Maximum System Voltage: DC1500 (IEC61215)
- Maximum Series Fuse Rating: 100
- Normal Operating Cell Temperature: 45±2°C
- Protection Class: Class II
- Fire Rating: UL type 2F
- Stability: T83.5%

**Mechanical Loading**

- Front Side Maximum Static Loading: 5400Pa
- Power Output Tolerance: 0 ~ +0.5 W
- Rear Side Maximum Static Loading: 2400Pa
- Halbore Test: 25mm Halbore at the speed of 23m/s

**Temperature Ratings (STC)**

- Temperature Coefficient of Isc: +0.350%/°C
- Temperature Coefficient of Voc: -0.280%/°C
- Temperature Coefficient of Pmax: -0.350%/°C

SCHEDA TECNICA PANNELLO LONGI SOLAR HI-MO 5  
LARGHEZZA 113,3cm X LUNGHEZZA 225,6cm