



COMUNE DI POGGIO RENATICO - FERRARA

**REALIZZAZIONE IMPIANTO FOTOVOLTAICO A TERRA SU TERRENO INDUSTRIALE IN AREA IDONEA C-TER) DI POTENZA DI PICCO PARI A 49,392 MWp e POTENZA NOMINALE PARI A 43,47 MW UBICATO IN PROSSIMITA' DELLA SP70 NEL COMUNE DI POGGIO RENATICO**

COMMITTENTE: P.R. SOLAR SRL  
Legale rappresentante: Aldo Mario Rametta  
C.F. 0415473030404E

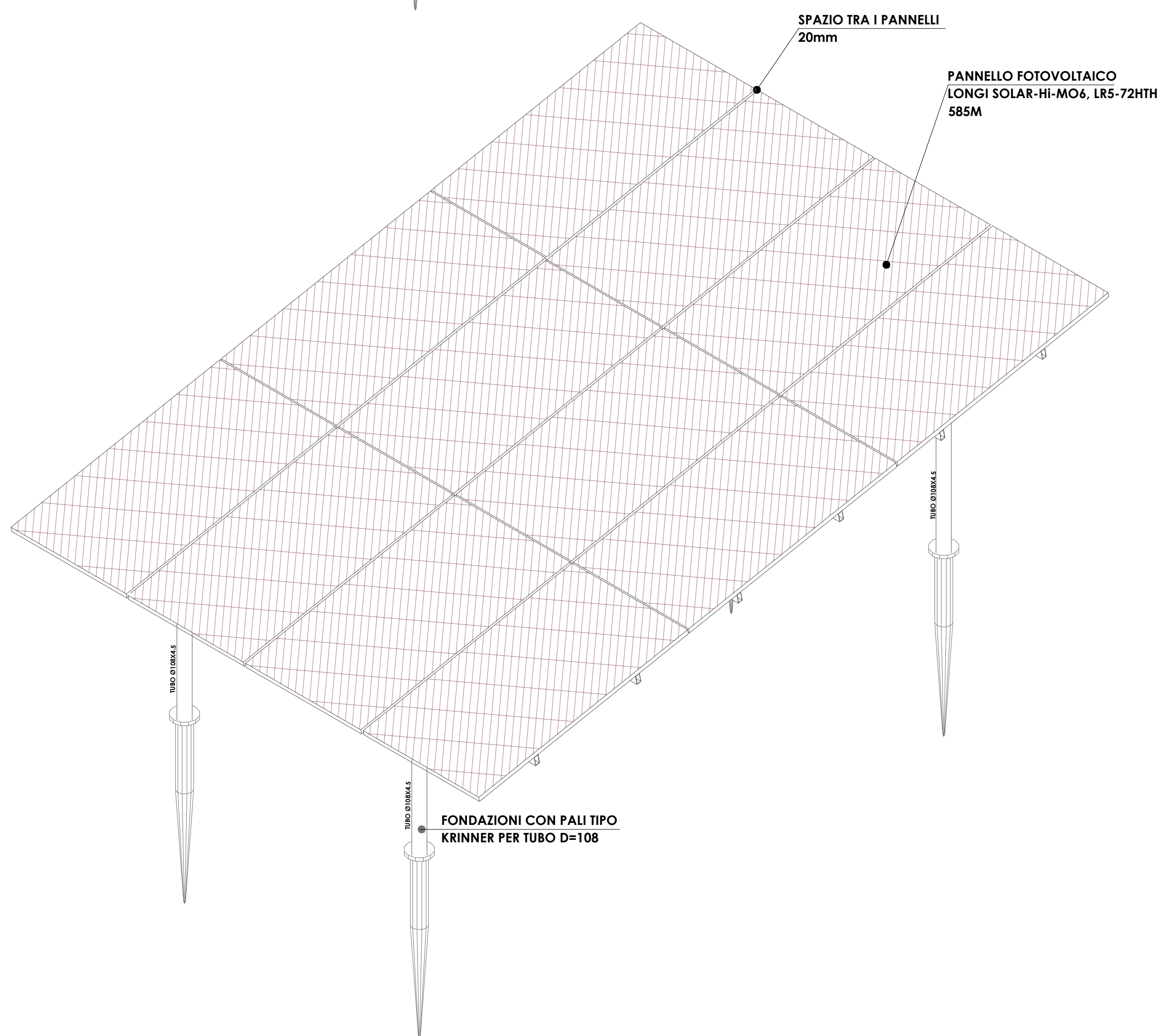
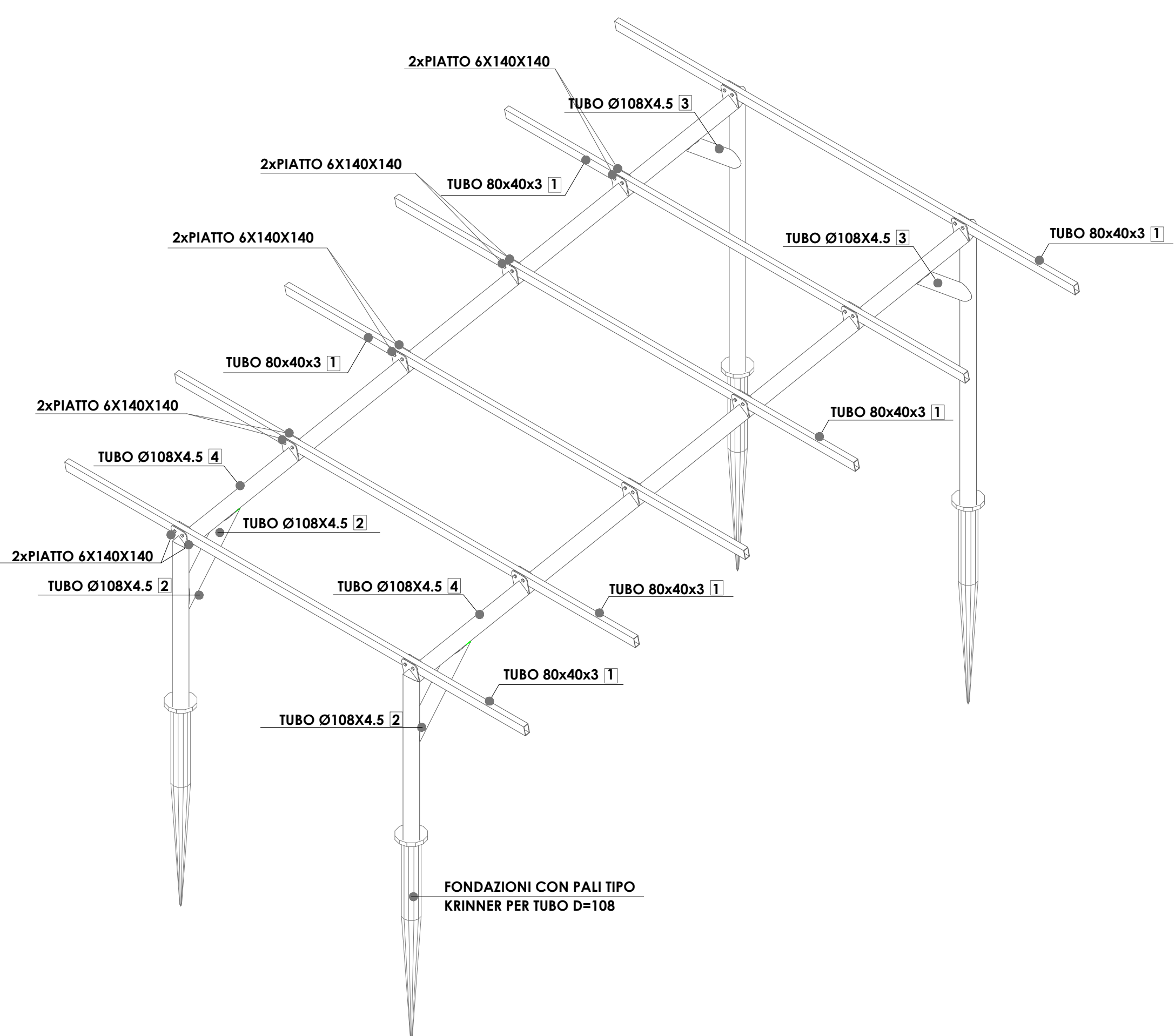
PROGETTISTA: Architetto Antonio Gasparri  
C.F. 0291946028280

N. ELABORATO	ELABORATO
<b>T30.3</b>	<b>DISEGNI ARCHITETTONICI PANNELLI PARTICOLARI ANCORAGGI</b>
SCALA	REFERIMENTO PRATICA
1:25	IMPIANTO PR SOLAR
DATA	REVISIONE
30/06/2023	

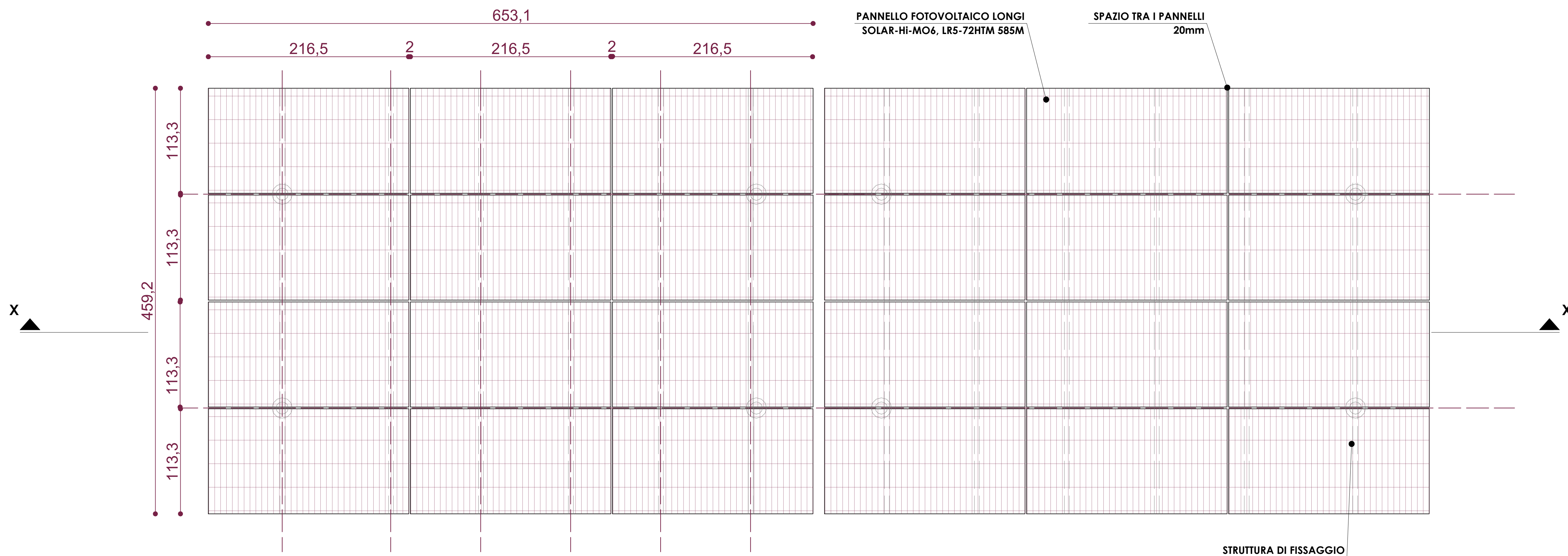
General contractor  
**PROTESA** Protesa spa  
Via Ugo la Malfa n.24 Imola 40026 (BO)  
A COMPANY OF PROTESA  
telefono 0542 644050 - mail info@protesa.net - sito www.protesa.net

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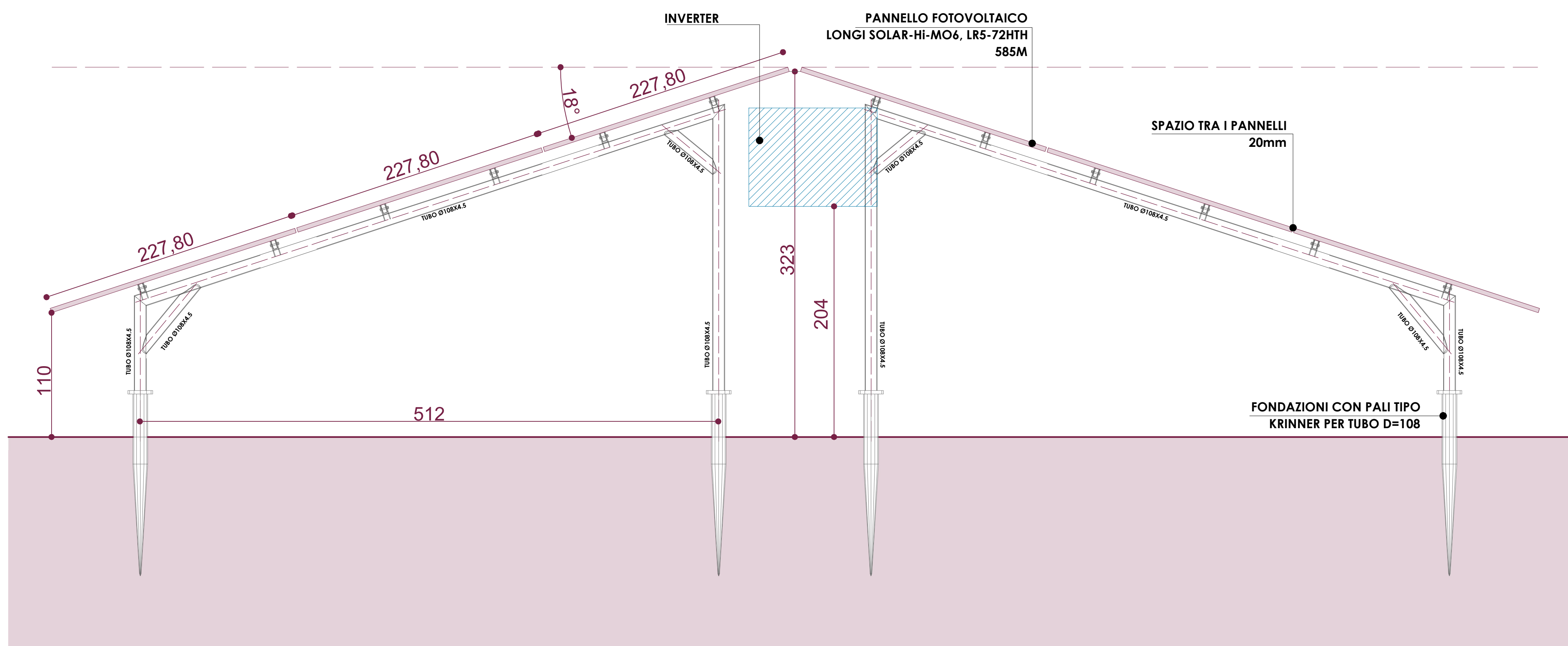
**STRUTTURA DI SOSTEGNO PANNELLI**



VISTE ASSONOMETRICHE



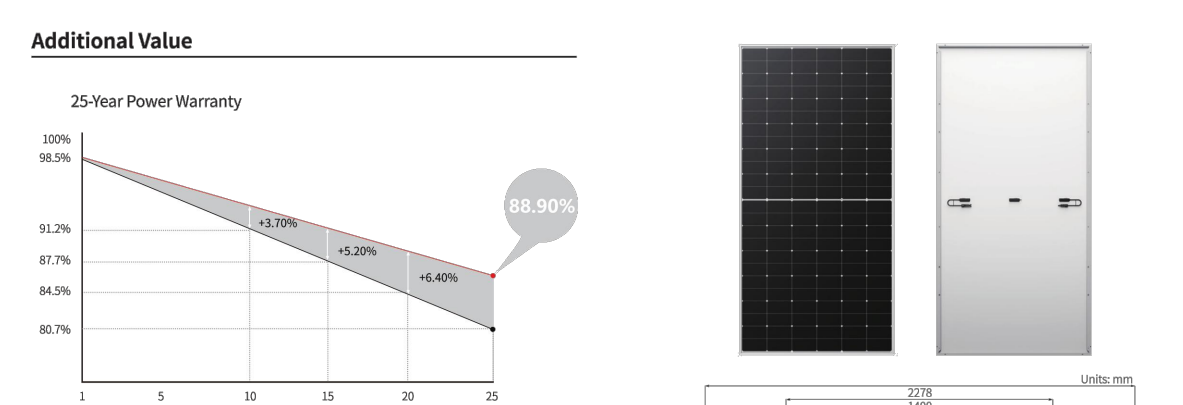
PIANTA scala 1:25



SEZIONE X-X' scala 1:25

**Hi-MO6 LRS-72HTH 560-585M**

22.6% MAX MODULE EFFICIENCY  
0-3% POWER TOLERANCE  
<1.5% PRET YEAR POWER DEGRADATION  
0.40% PER 25 YEAR POWER DEGRADATION



**Additional Value**

25 Year Power Warranty

**Mechanical Parameters**

Cell Orientation: 34.8° x 24°  
Junction Box: IP68, three diodes  
Output Cable: 4mm² AWG, 200mm to 1.000mm length can be customized  
Glass: Single glass, 3.2mm coated tempered glass  
Frame: Anodized aluminum alloy frame  
Weight: 27.5kg  
Dimension: 2278 x 1134 x 30mm  
Packaging: 33pcs per pallet / 130pcs per 20' / 420pcs per 40' HC

**Electrical Characteristics**

Module Type	STC - AM1.5, 1000W/m², 25°C		NOCT - AM1.5, 800W/m², 25°C		10% Irradiance		10% Irradiance	
	LSR-72HTH-560M	LSR-72HTH-585M	LSR-72HTH-560M	LSR-72HTH-585M	LSR-72HTH-560M	LSR-72HTH-585M	LSR-72HTH-560M	LSR-72HTH-585M
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	390	438	368	416	370	418	380	428
Open Circuit Voltage (Voc)	51.65	48.44	51.78	48.60	51.95	48.74	52.06	48.88
Short Circuit Current (Isc)	13.94	13.30	14.01	13.33	14.07	13.36	14.14	13.40
Voltage at Maximum Power (Vmp)	43.46	39.98	43.81	39.79	44.16	39.93	44.51	40.19
Current at Maximum Power (Imp)	13.80	13.03	13.96	13.01	14.03	13.02	14.17	13.14
Module Efficiency (%)	23.7	23.9	23.3	23.5	23.5	23.6	23.8	24.0

**Operating Parameters**

Operating Temperature: -40°C ~ 85°C  
Power Output Tolerance: 0 ~ 3%  
UL and IEC Tolerance: 0.3%  
Maximum System Voltage (DC/DC/MPPT): 1500V (UL/IEC)  
Maximum Series Fuse Rating: 25A  
Nominal Operating Cell Temperature: 45±2°C  
Product Class: Class C  
Fire Rating: UL type 1 or 2 IEC Class C

**Mechanical Loading**

Front Side Maximum Static Loading: 5400N  
Rear Side Maximum Static Loading: 2400N  
Hailstone Test: 25mm hailstone at the speed of 23m/s

**Temperature Ratings (STC)**

Temperature Coefficient of Pmax: -0.30%/°C  
Temperature Coefficient of Voc: -0.26%/°C  
Temperature Coefficient of Isc: -0.00%/°C

No.8301 Shengqian Road, V'an Economic And Technological Development Zone, Wuxi, Shanghai, China.  
Web: www.longi.com

SCHEDA TECNICA PANNELLO LONGI SOLAR HI-MO 6  
LARGHEZZA 1134 mm X LUNGHEZZA 2278 mm