



L'impalcato principale è una travata continua di lunghezza totale 1067,17 m costituita da un totale di 19 campate in acciaio-calcestruzzo:

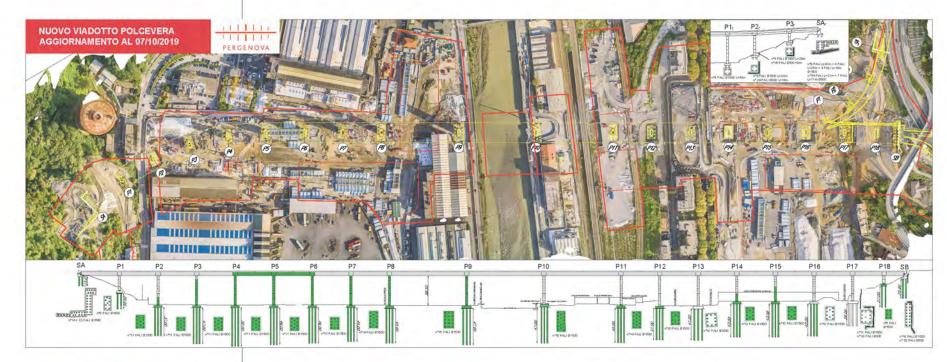
- 14 campate da 50 m; 3 campate da 100 m; 1 campata da 40,90 m di approccio alla spalla ovest;
- 1 campata da 26,27 m di approccio
- alla spalla est.

Inoltre, una rampa di lunghezza complessiva 109,91 m a 3 luci (34 m + 43,45 m + 32,46 m) è strutturalmente connessa all'impalcato principale.

The main platform is a continuous truss deck with a total length of 1067.17 m consisting of a total of 19 steel-concrete spans:

- 14 spans of 50 m; 3 spans of 100 m; 1 span of 40.90 m for the approach
- to the west abutment;
 1 span of 26.27 m for the approach

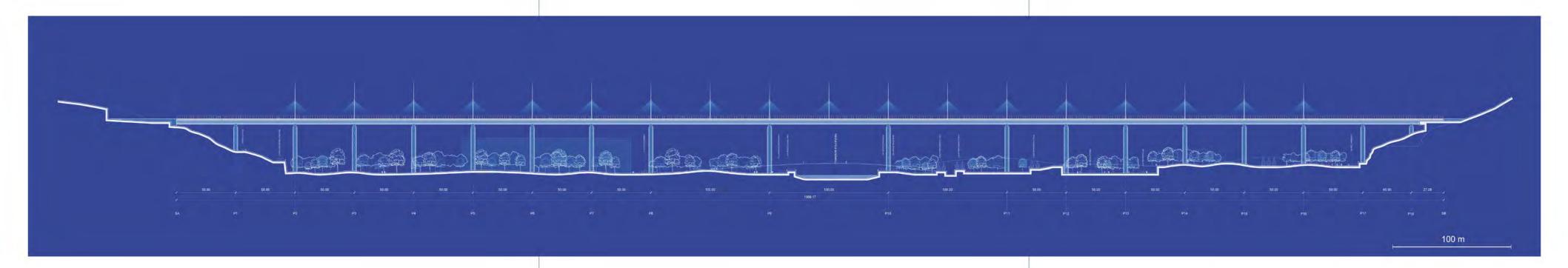
to the east abutment.
In addition, a ramp with a total length of 109.91 m with 3 spans (34 m + 43.45 m + 32.46 m) is structurally connected to the main deck.

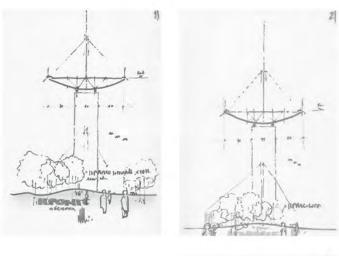


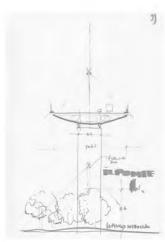
Ortofoto con avanzamento dei lavori

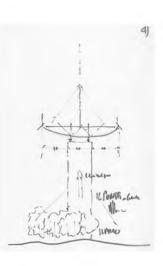
Orthophoto with progress of the work

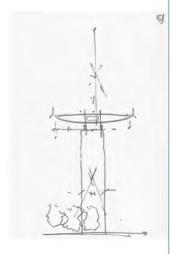
© Pergenova SCpA















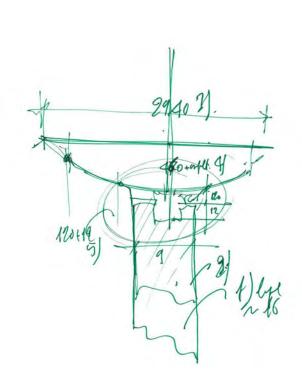


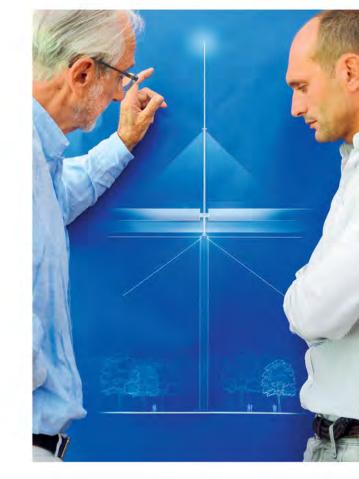
La sezione stradale tipologica è composta da due carreggiate, ciascuna suddivisa in due corsie da 3,75 m e una corsia di emergenza da 3,50 m. Uno spartitraffico da 2,60 m divide le carreggiate. La sezione si completa con due cordoli da 0,70 m e da camminamenti laterali per la manutenzione.

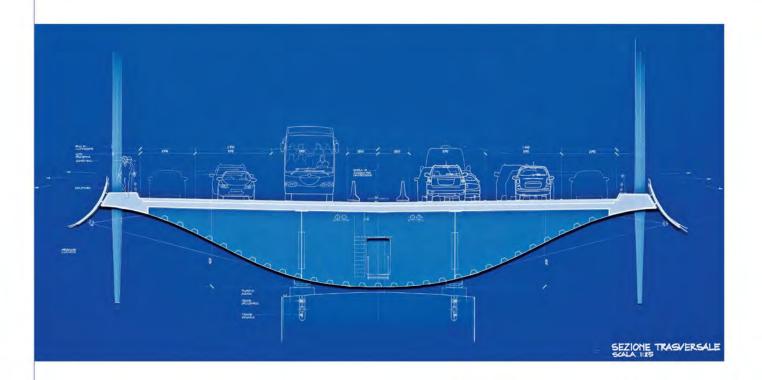
The typological section consists of two separate carriageways each with two lanes measuring 3.75 m, 3.50 m right-hand shoulders, a 2.60 m median strip with two 0.70 cm left-hand shoulders and continuous walkways for maintenance.

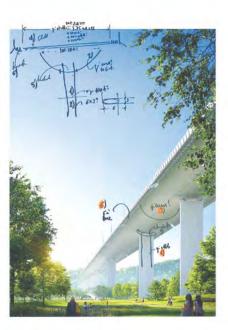


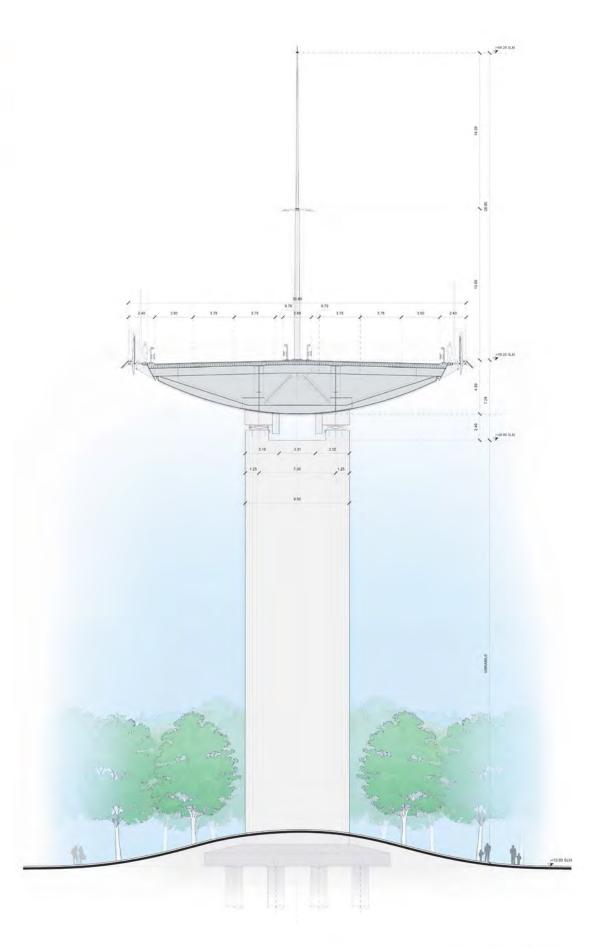
Renzo Piano with Stefano Russo, associate architect at RPBW, in charge of the project

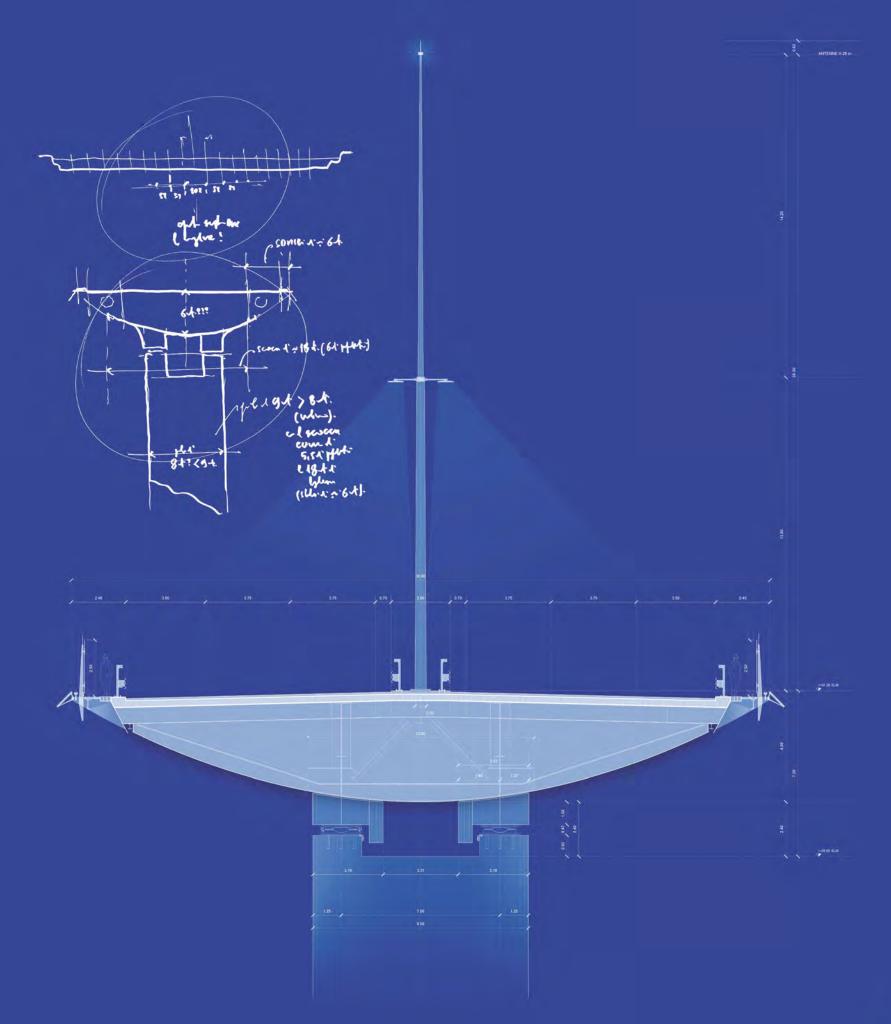








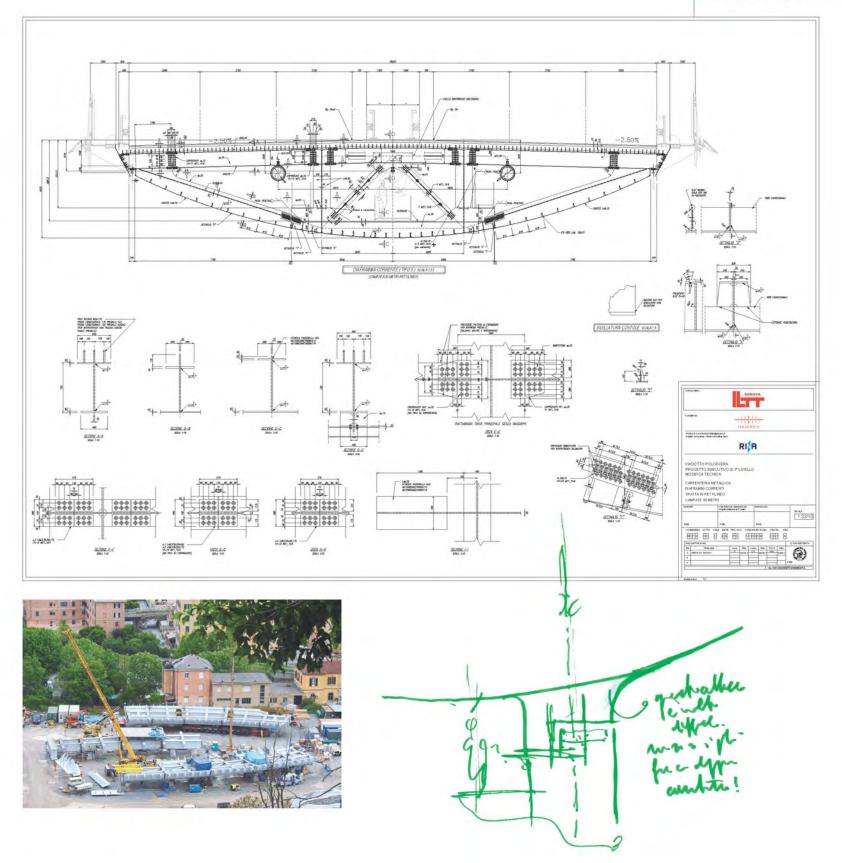




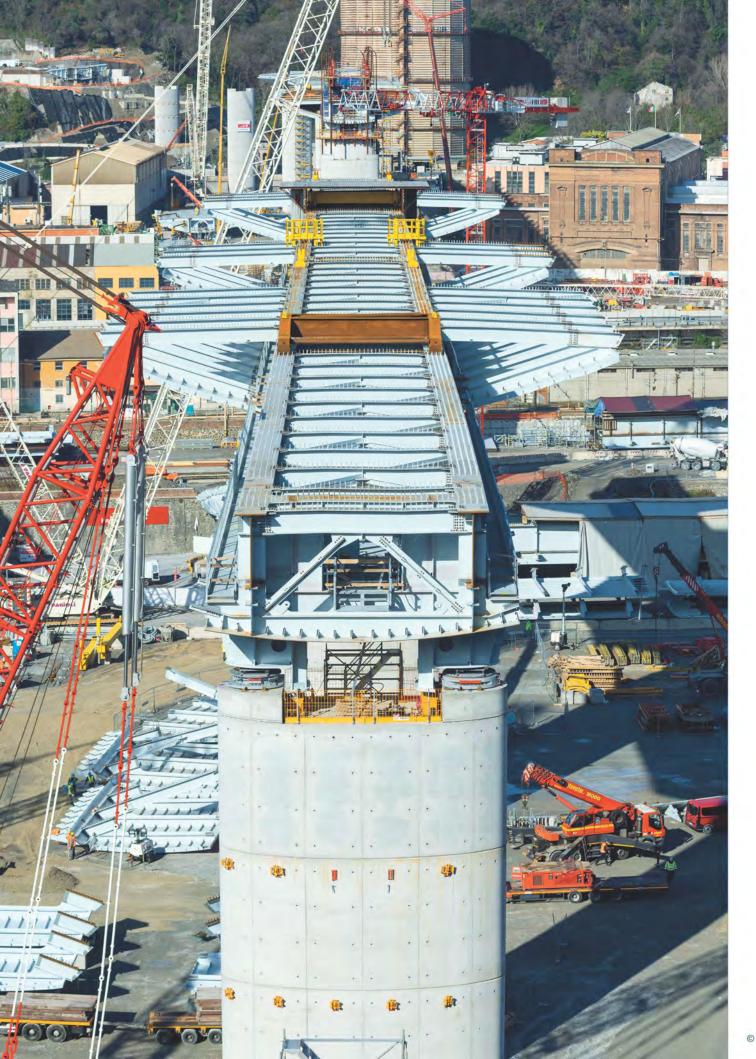
Carpenteria metallica: dettaglio delle campate da 50 m

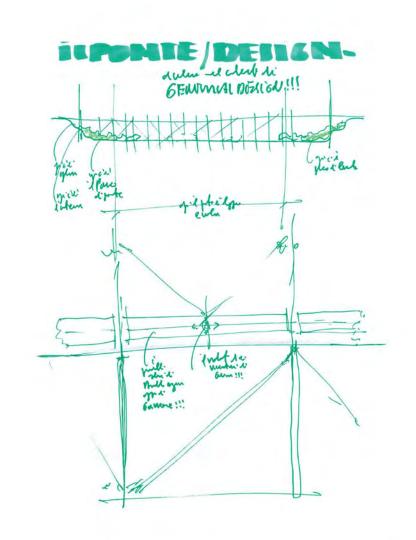
Structural metalwork: detail of the 50 m spans

© Rina Consulting SpA













Sequenza di varo e completamento in quota di una campata da 50 m

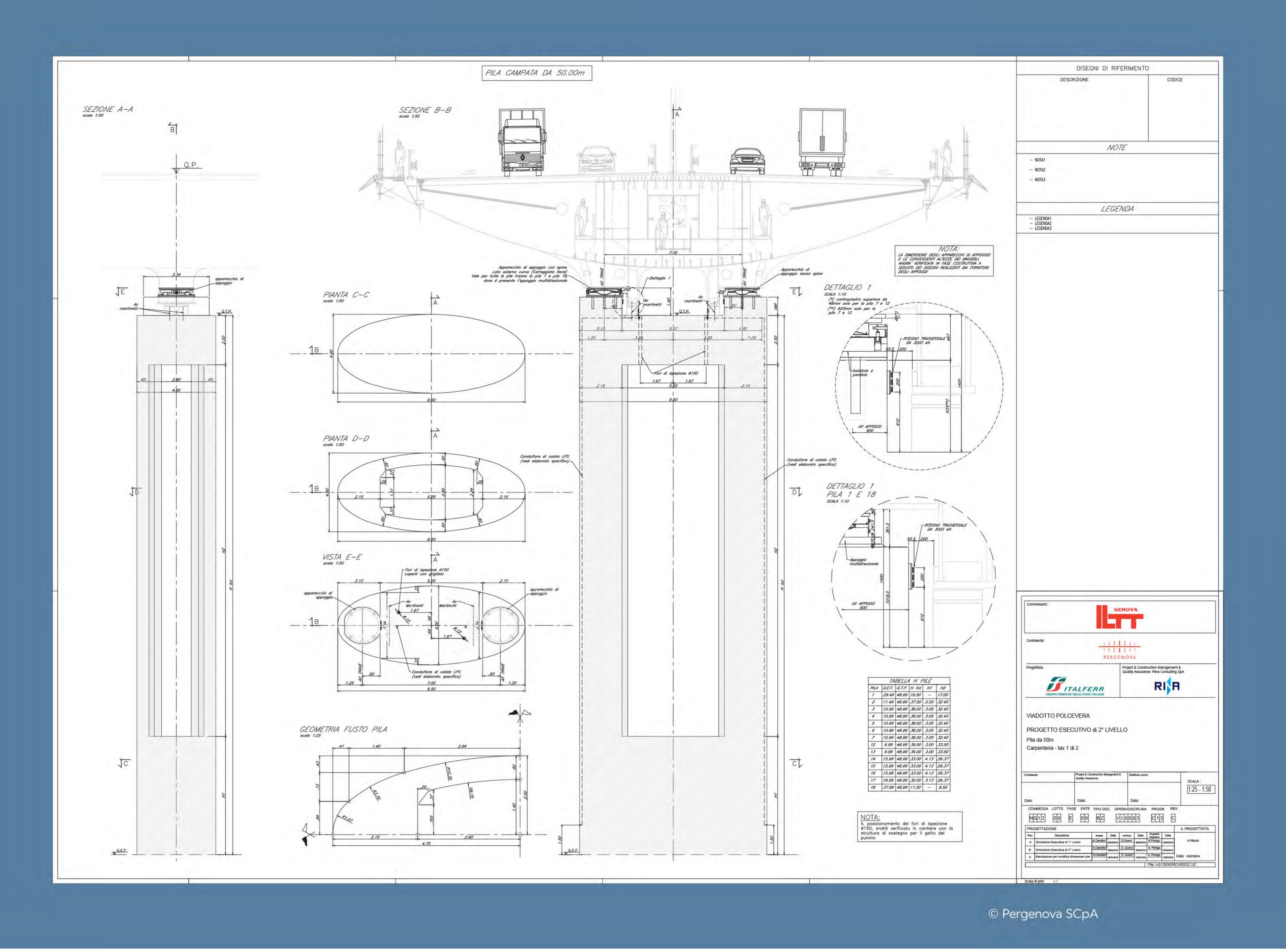
Sequence of launching and completion of a 50 m span above grade





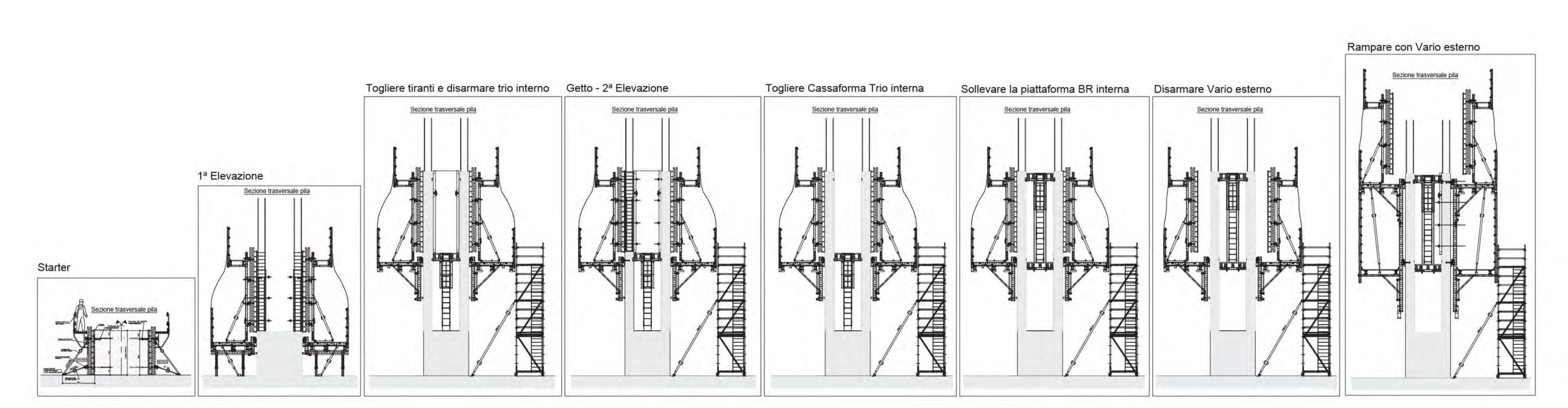


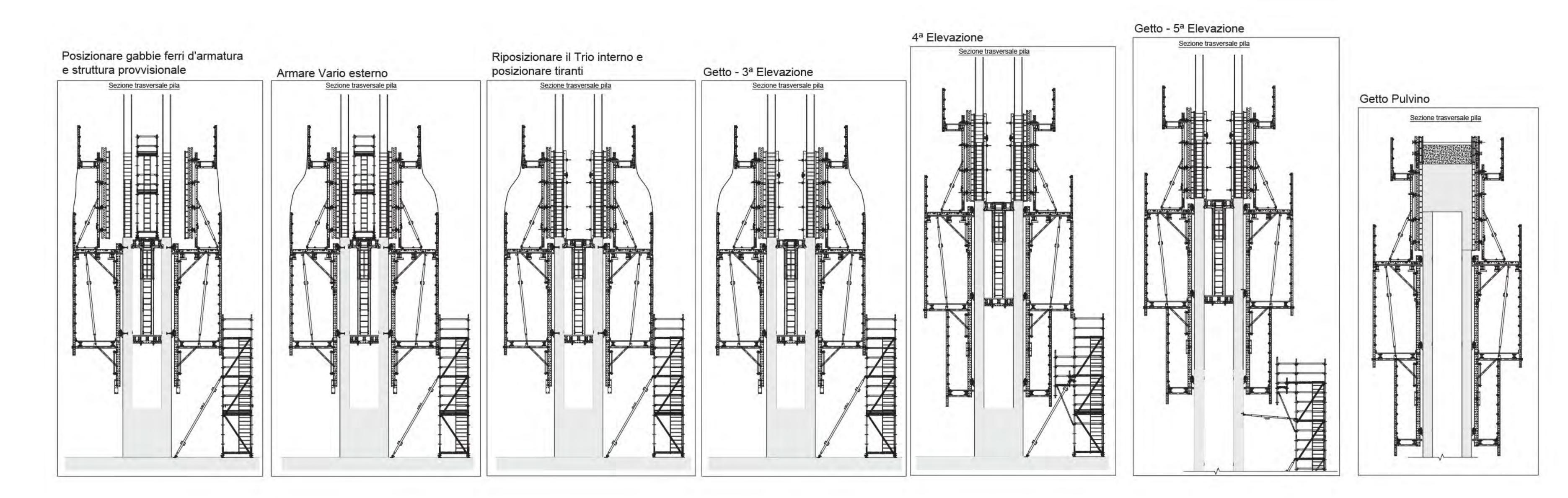




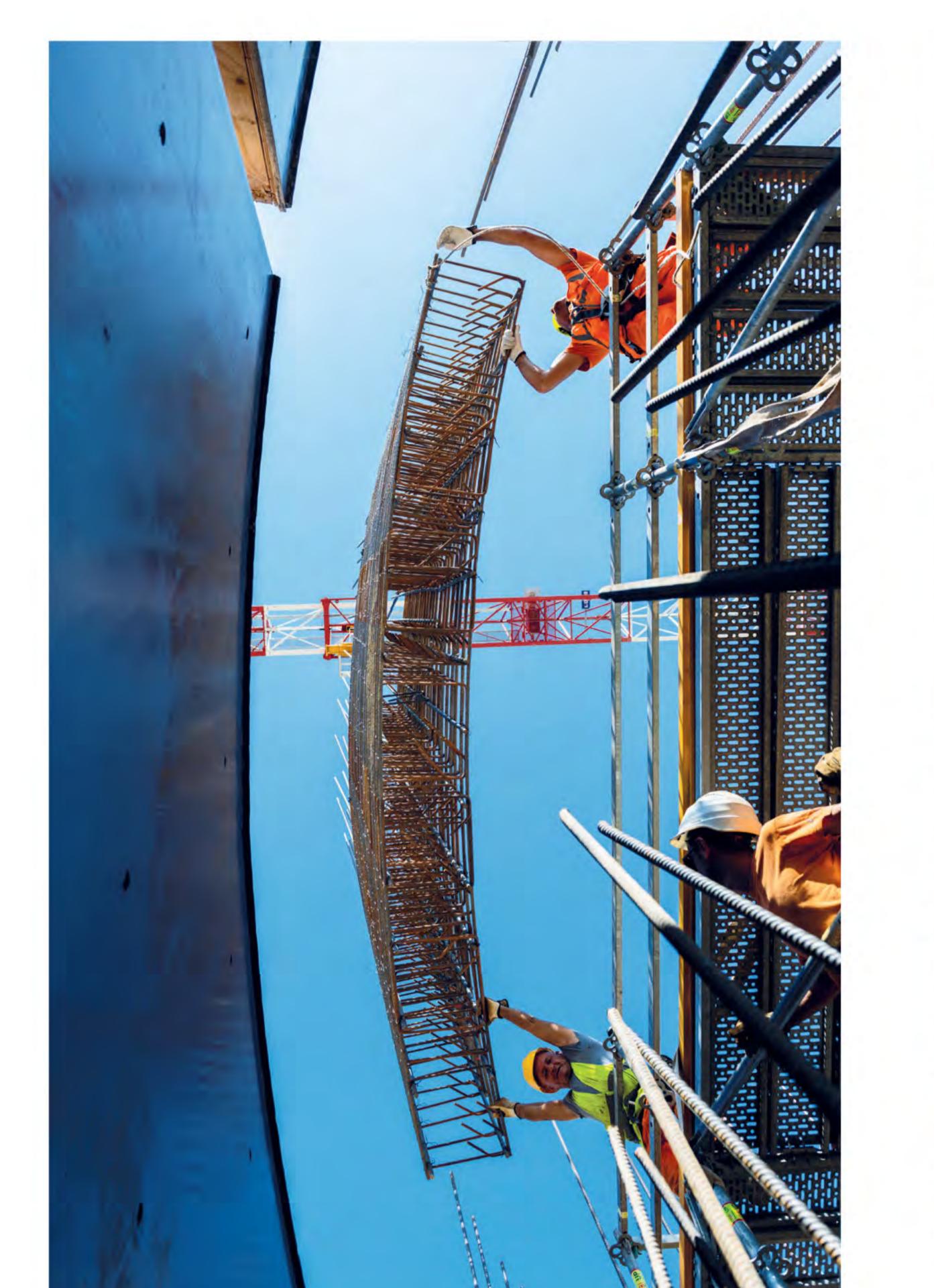


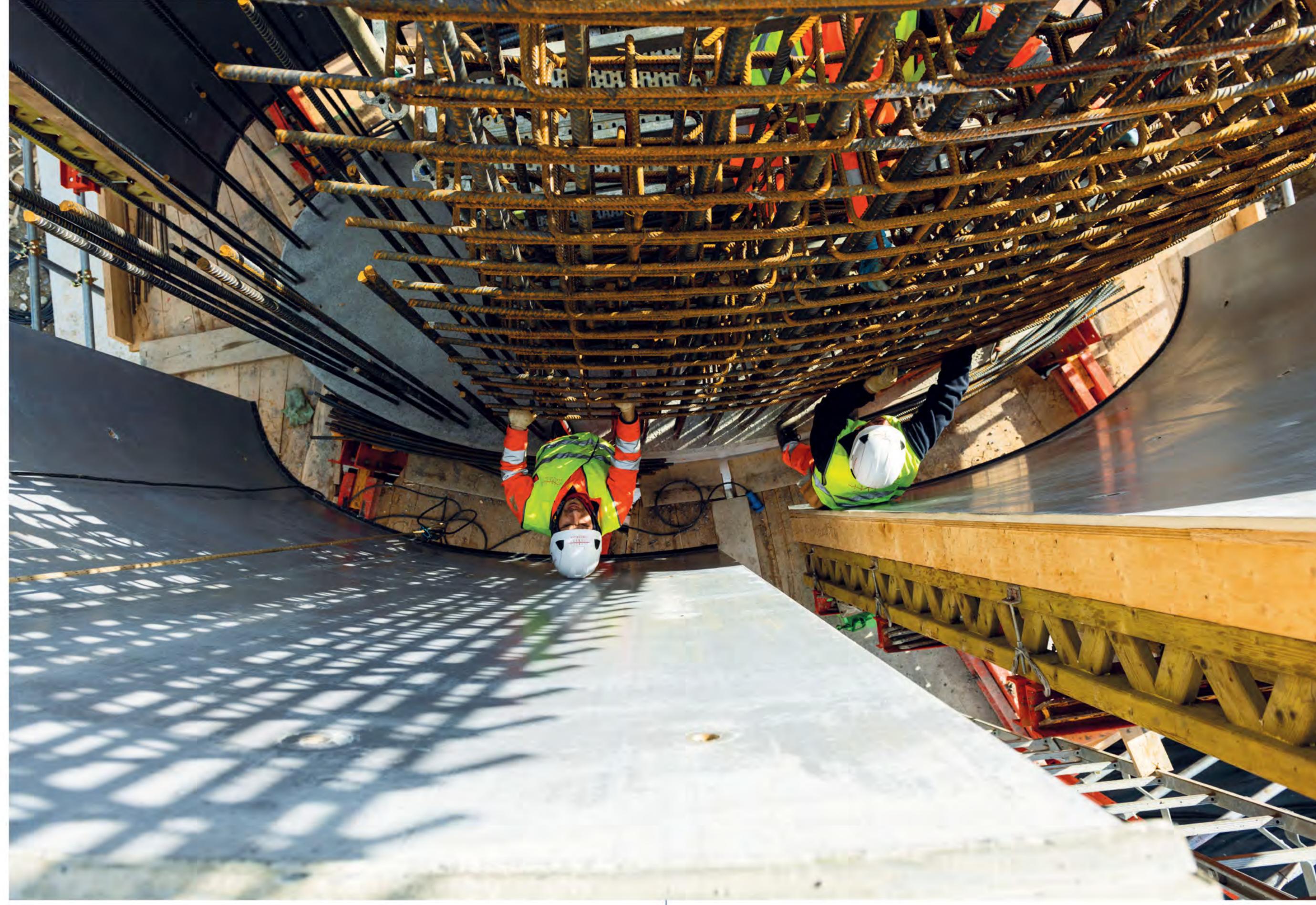
© Filippo Vinardi

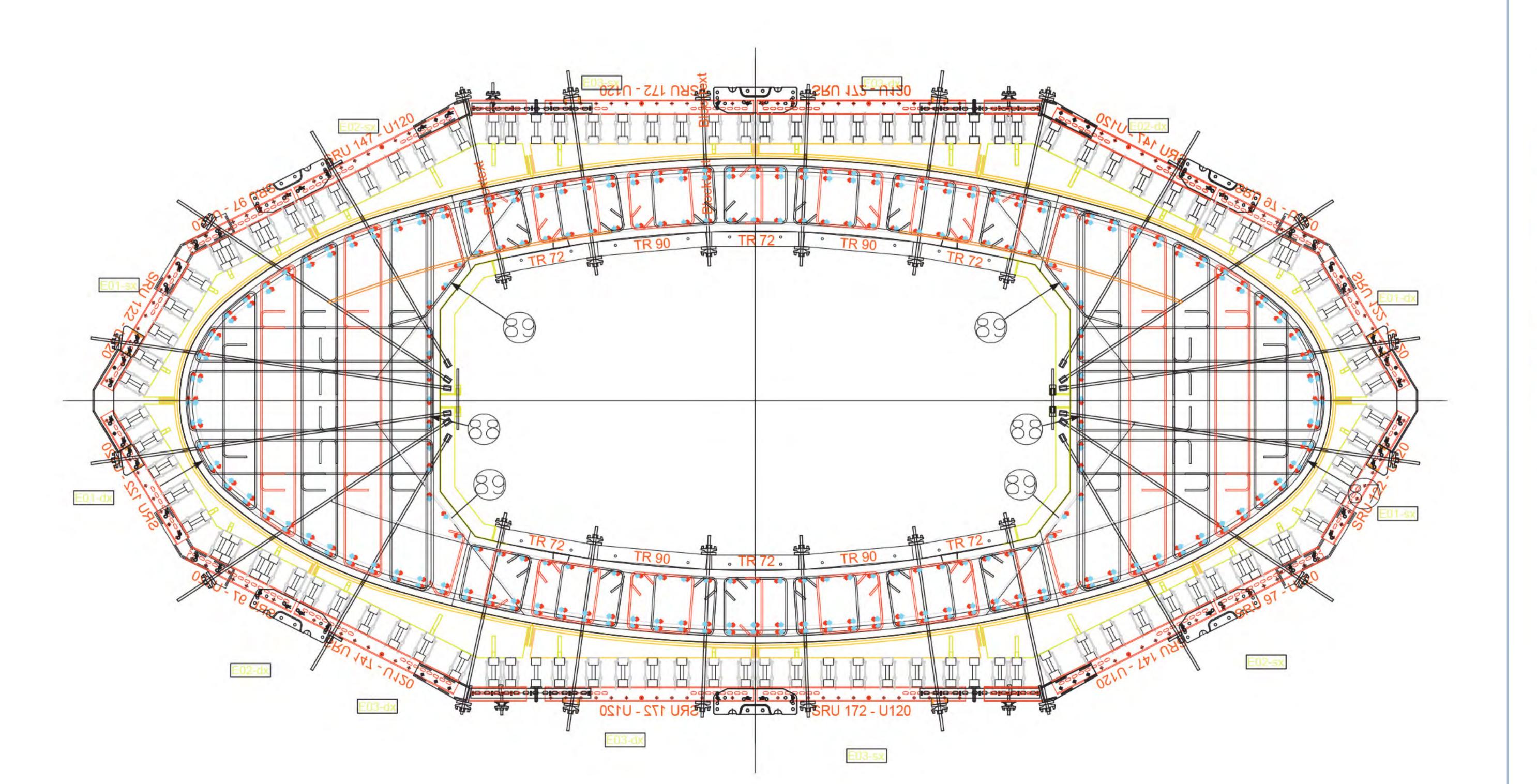




© Pergenova SCpA



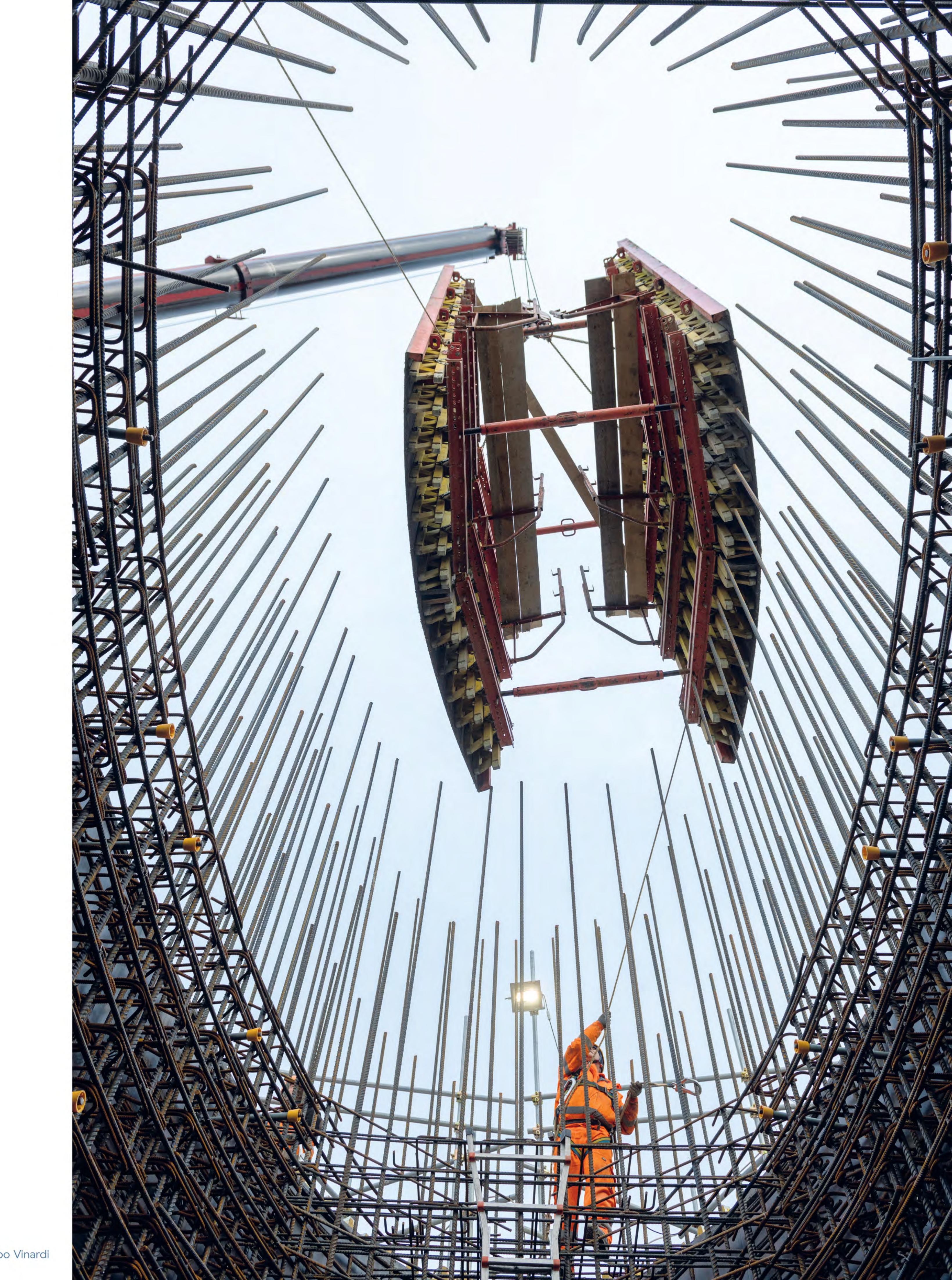




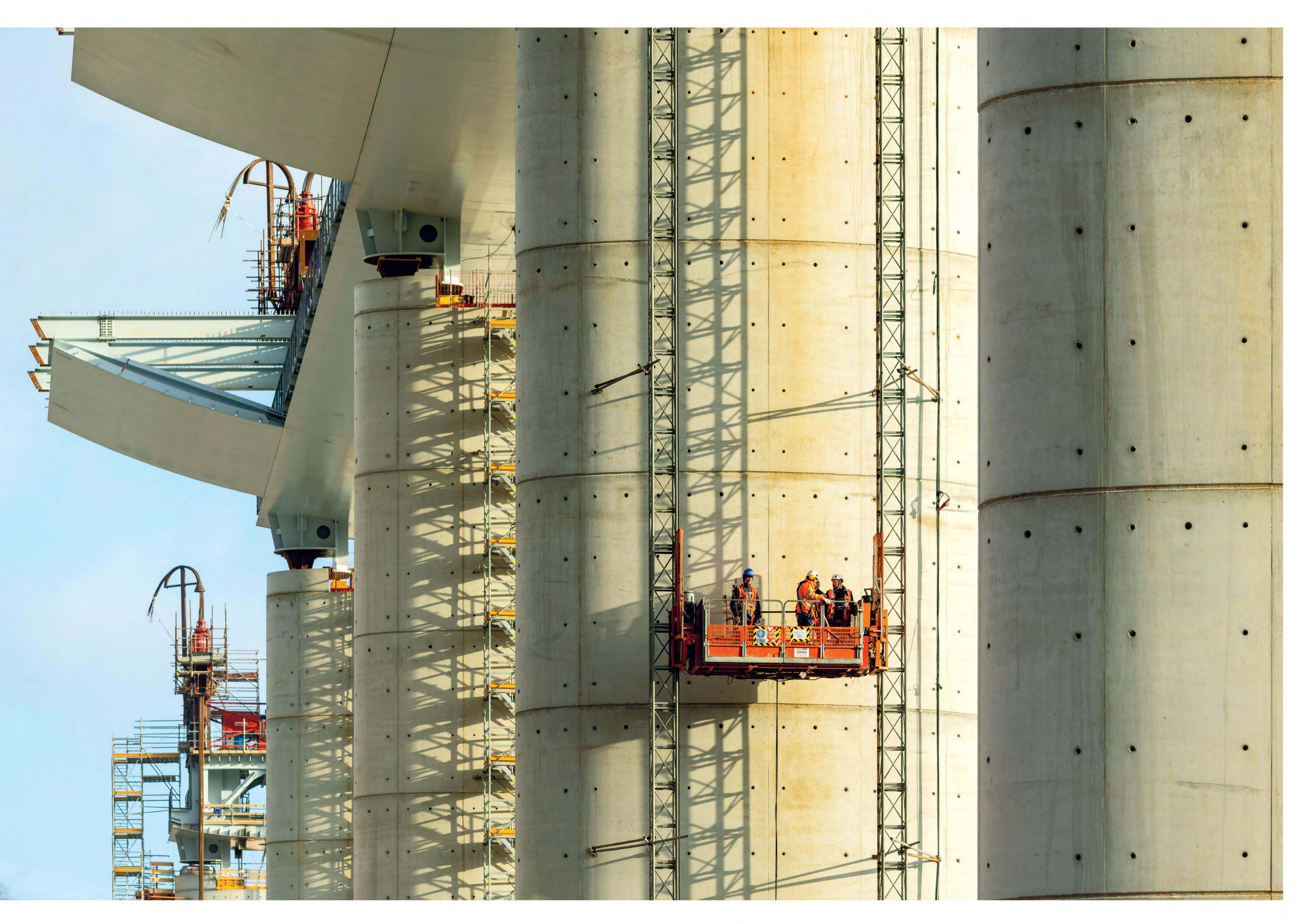
Internamente la pila è costituita da un cassone monocellulare. Le pile sono state realizzate con l'ausilio di casseri rampanti. Le riprese di getto sono a passo 4,50 m a partire dall'alto, per averle tutte allineate. L'armatura è stata realizzata con gabbie prefabbricate di altezza totale pari a 7,50 m, con due ordini di sovrapposizioni.

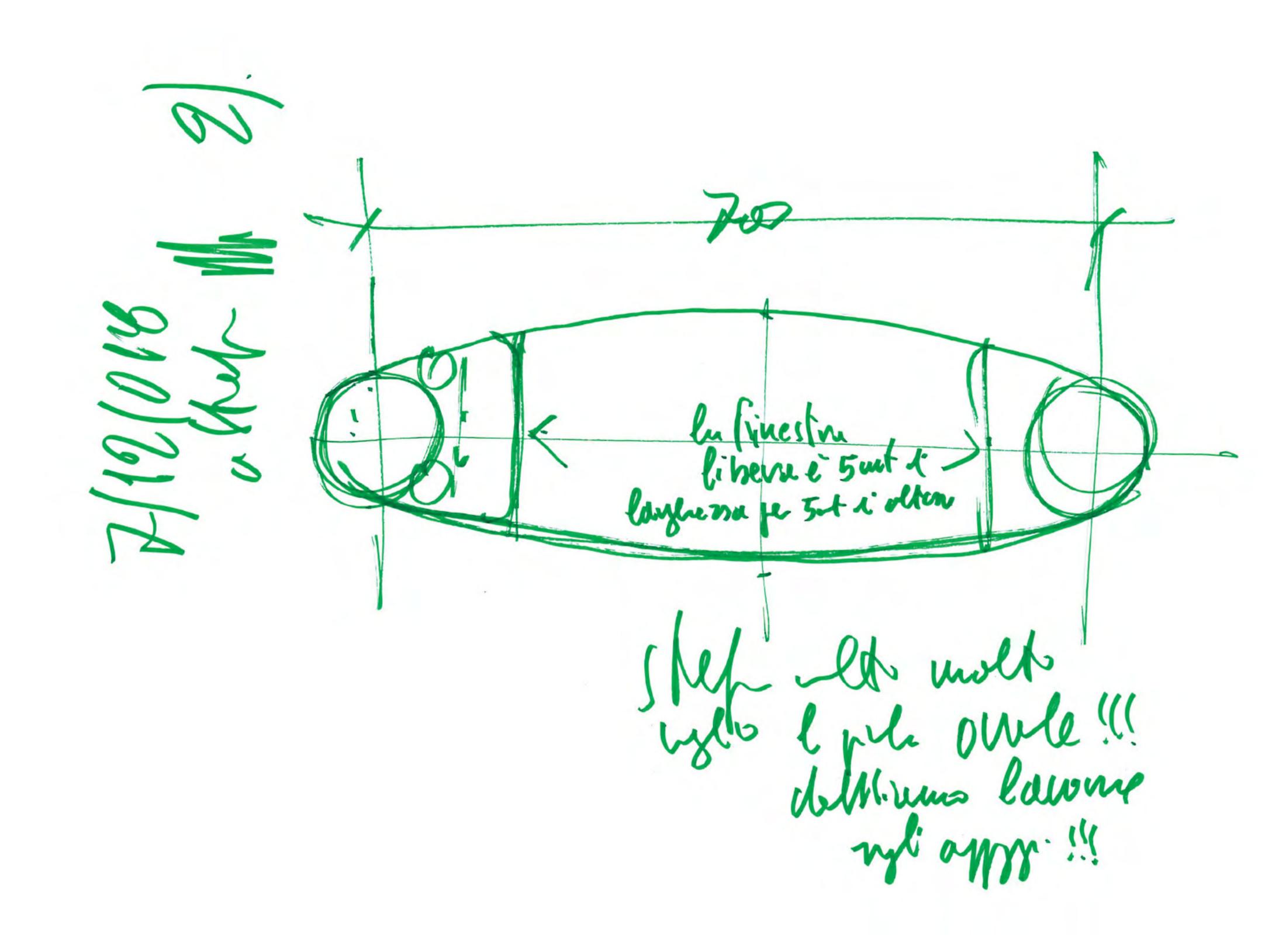
Internally, the pier consists of a single-cell caisson. The piers were made using climbing formwork. The castings are made at intervals of 4.50 m, starting from the top, to keep them all aligned. The reinforcement consists of prefabricated cages with a total height of 7.50 m, with two orders of overlaps.

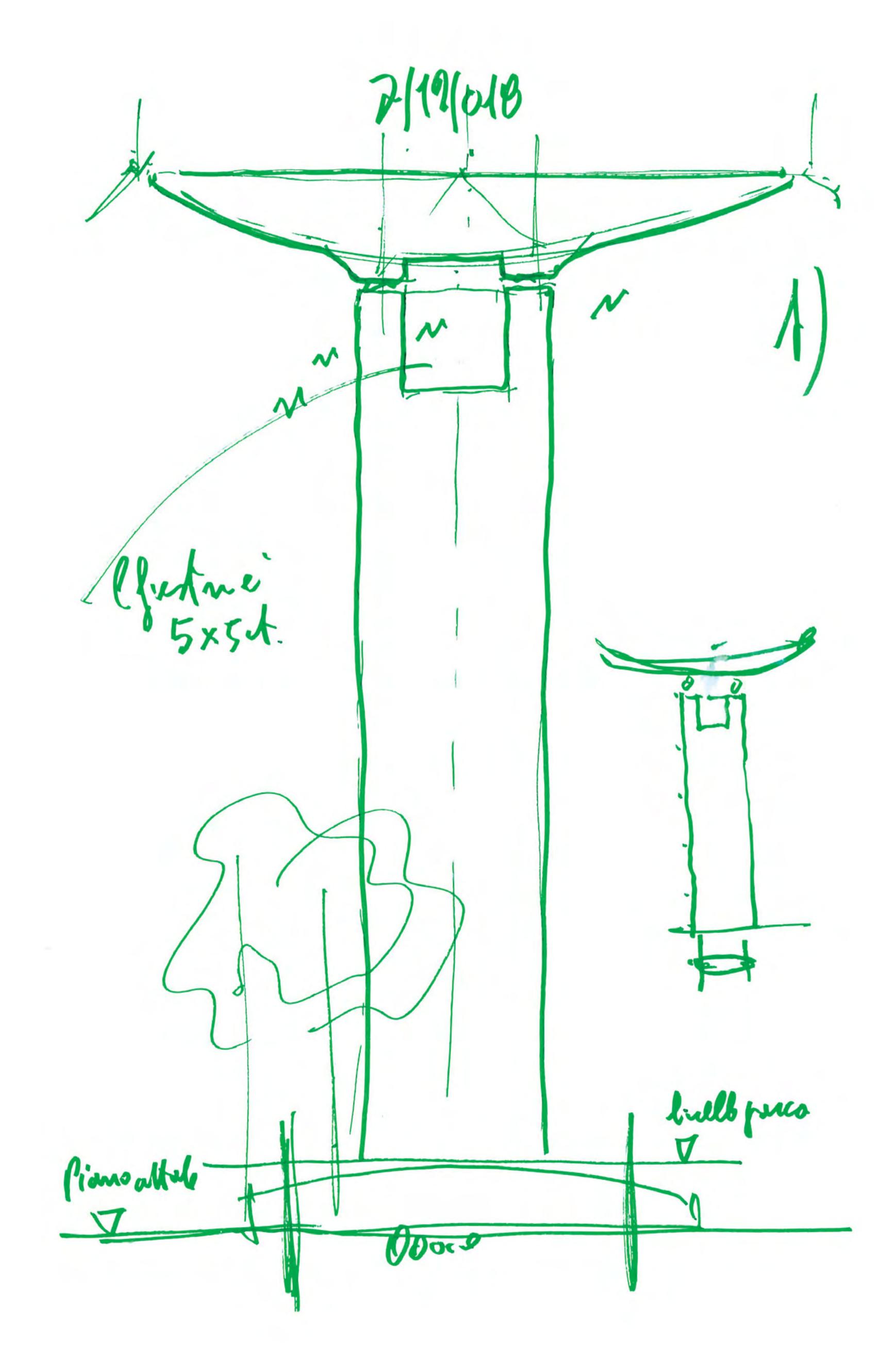
© Pergenova SCpA



© Filippo Vinardi

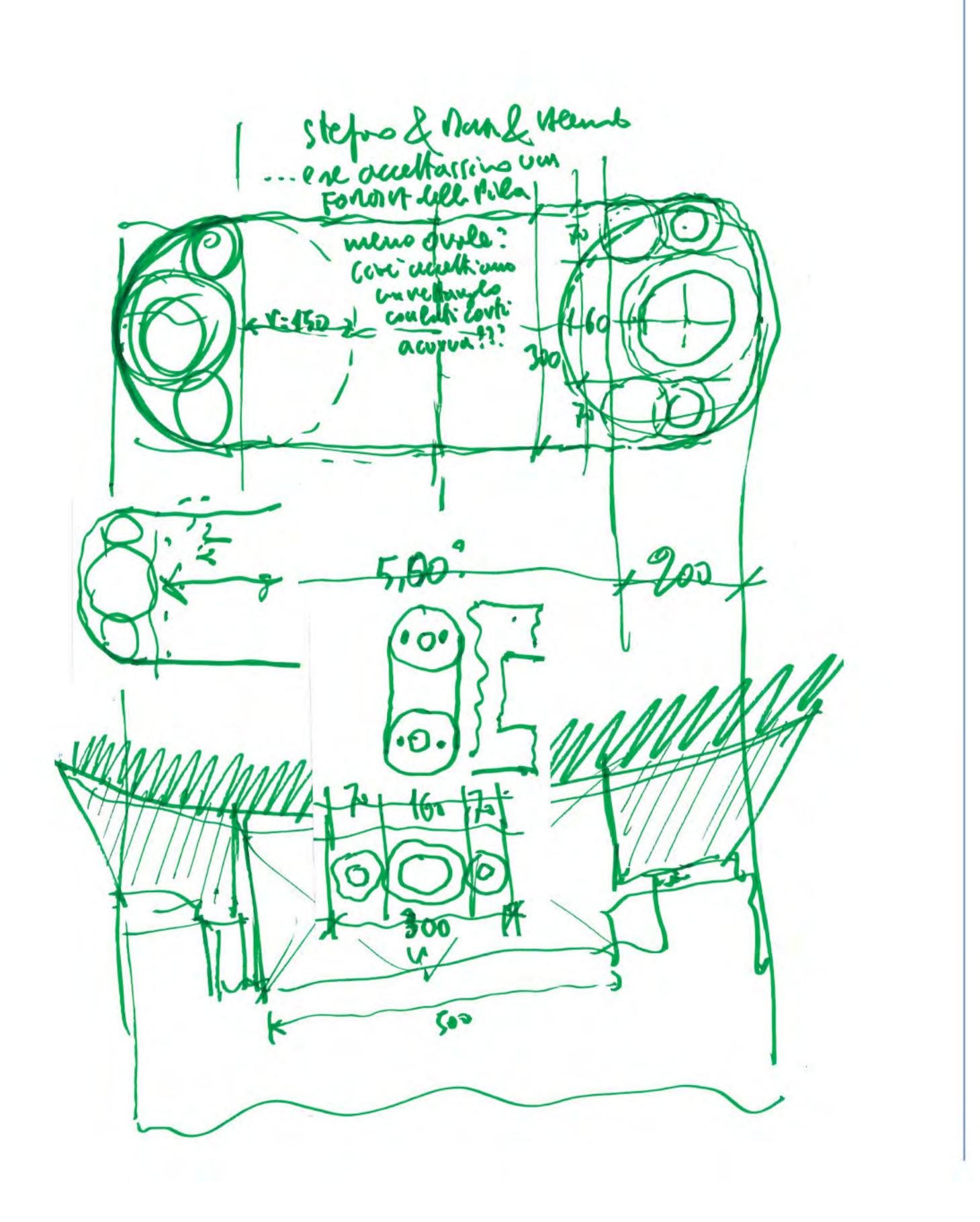


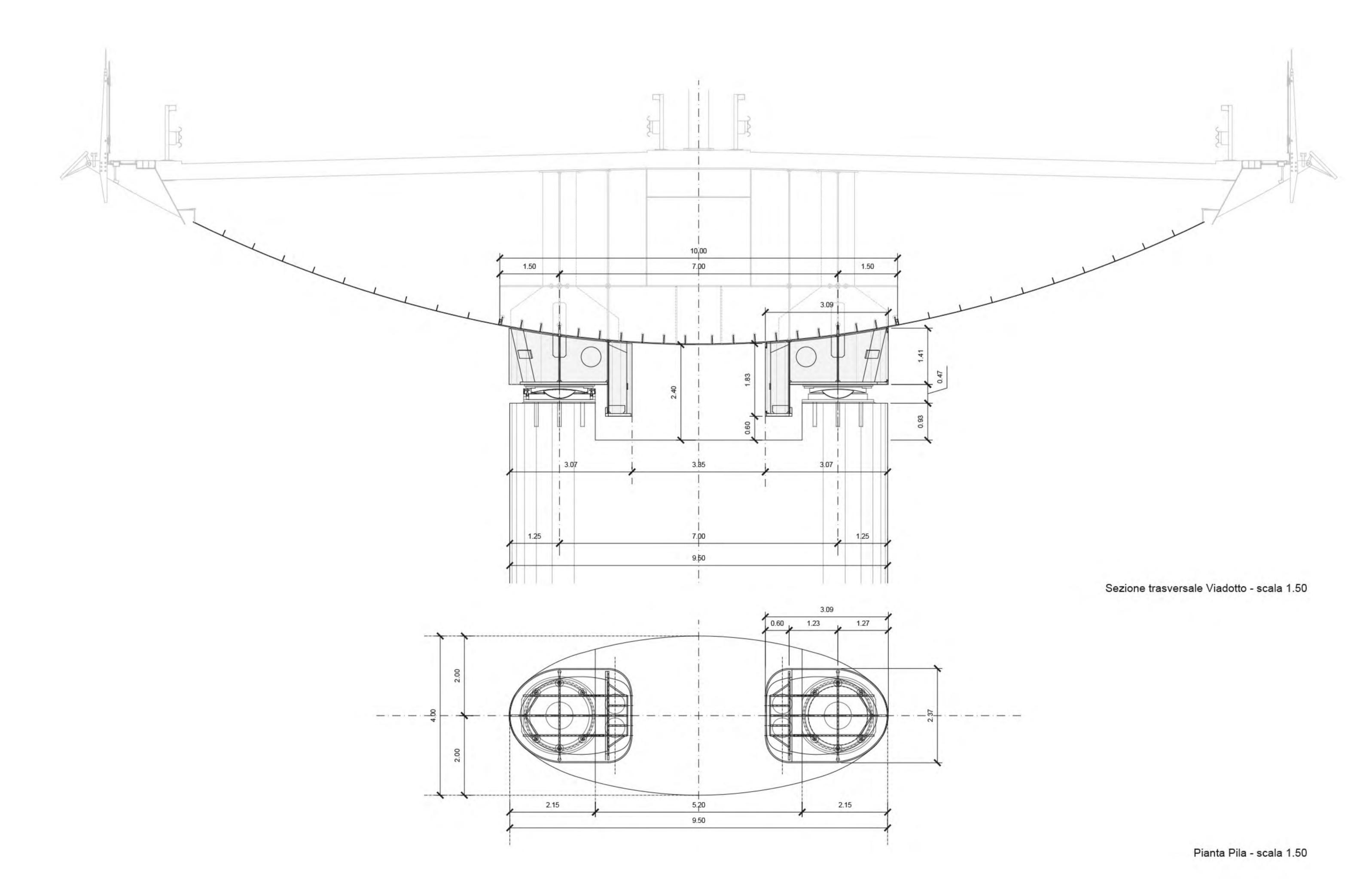


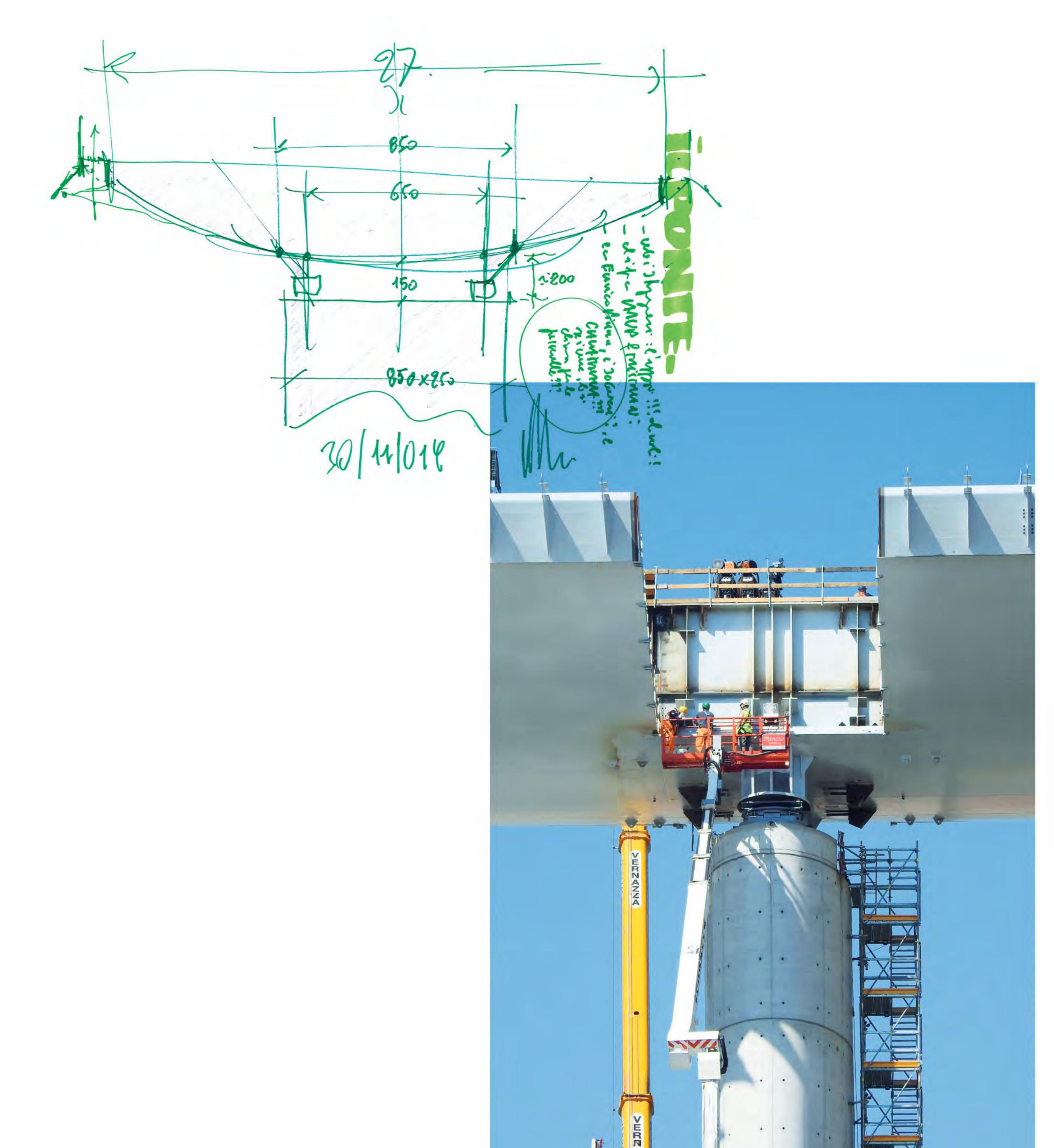


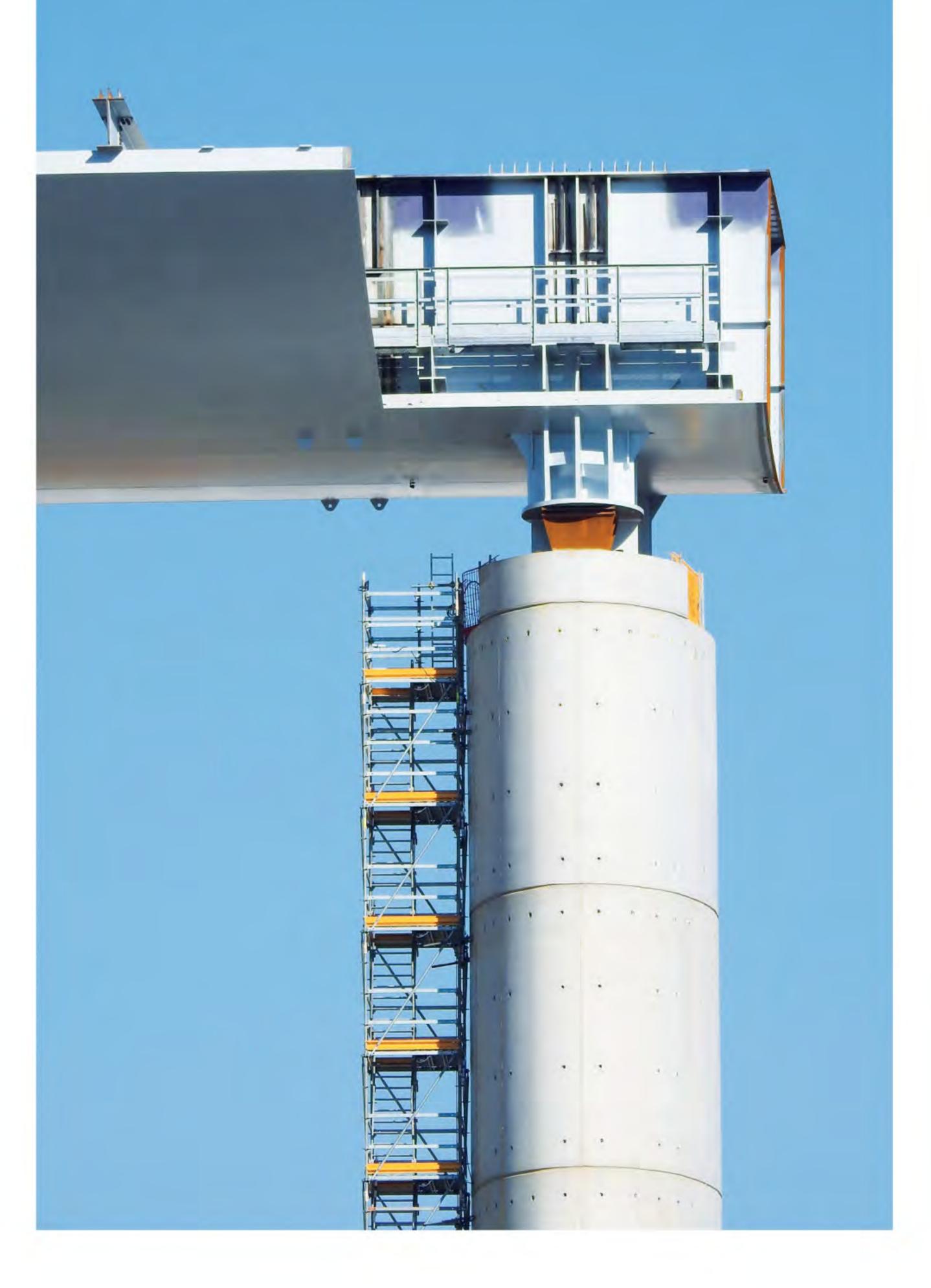


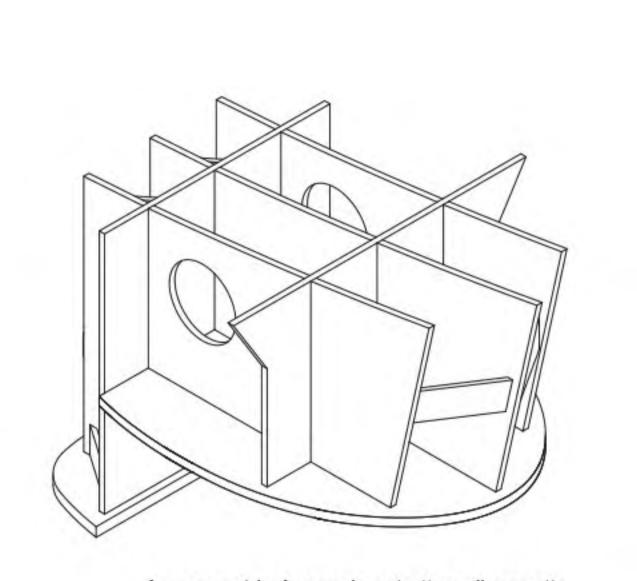


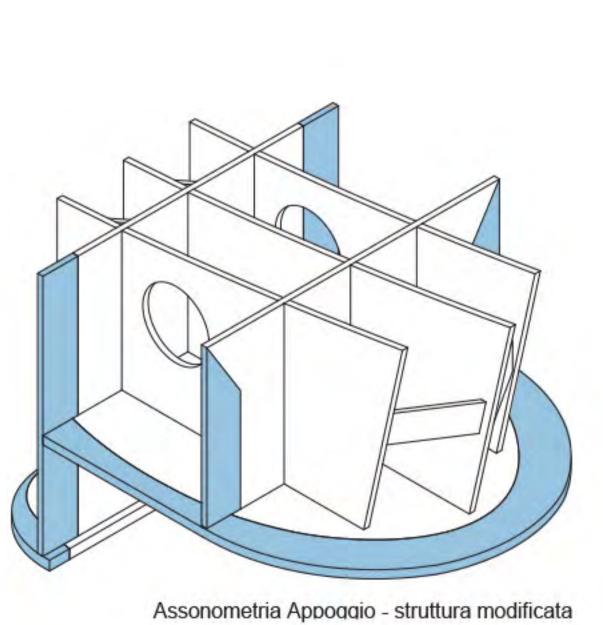


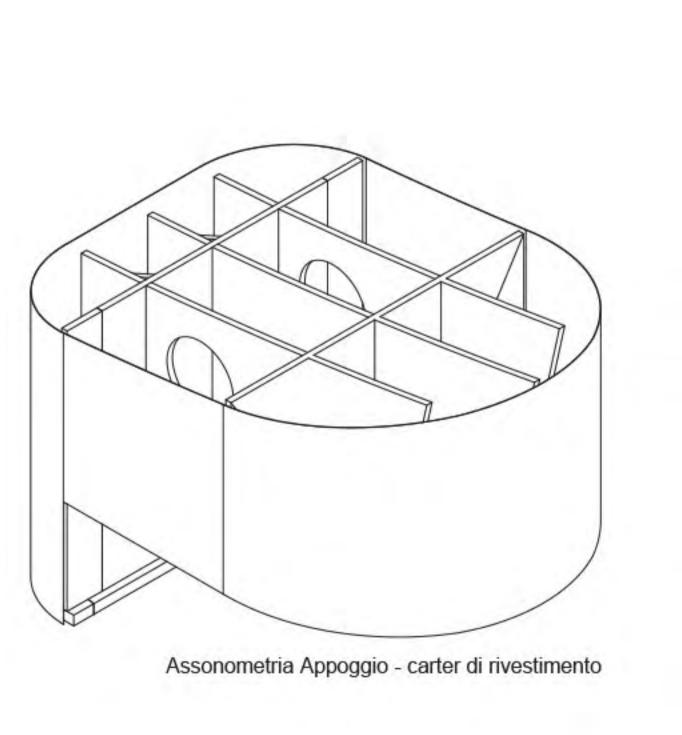


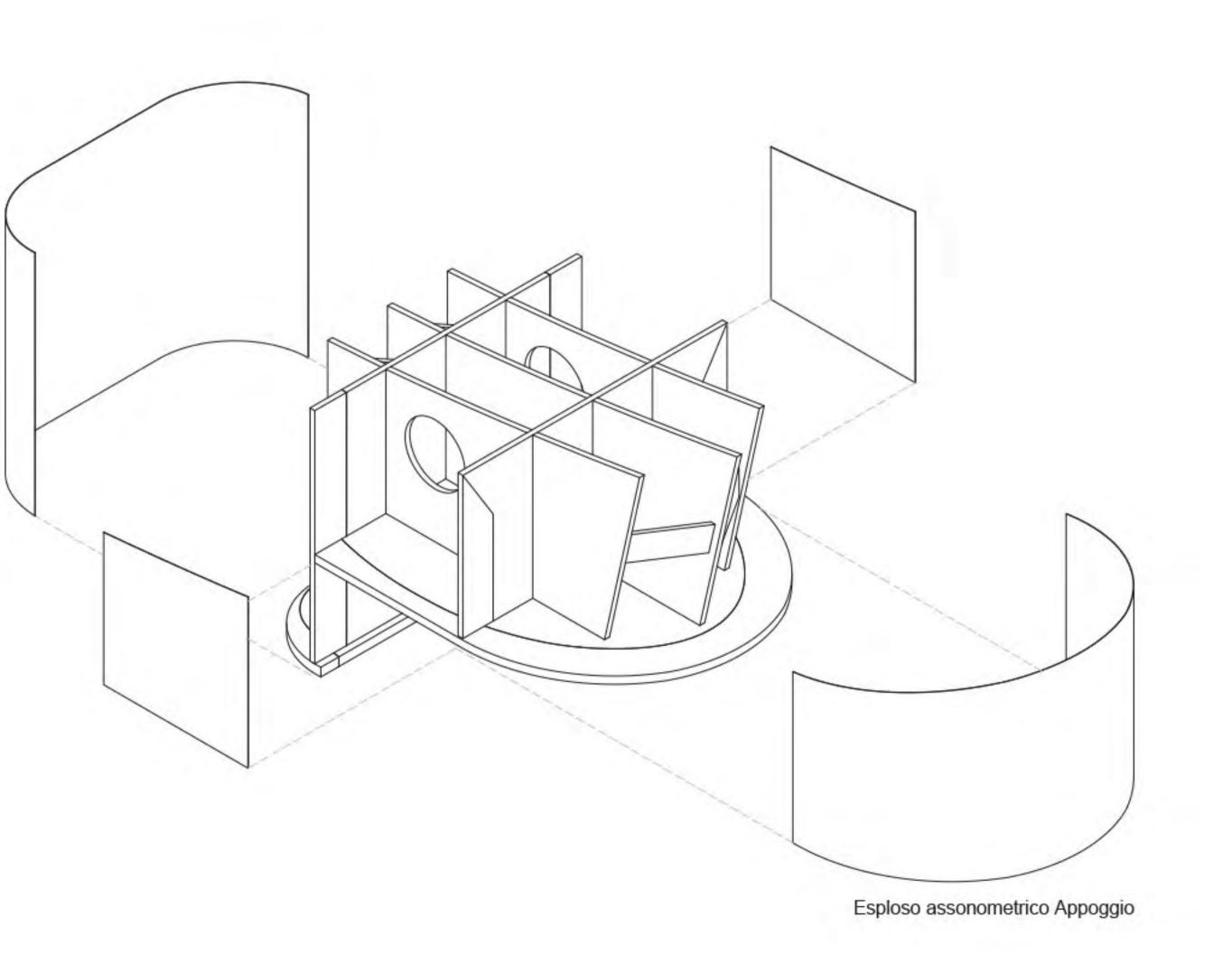


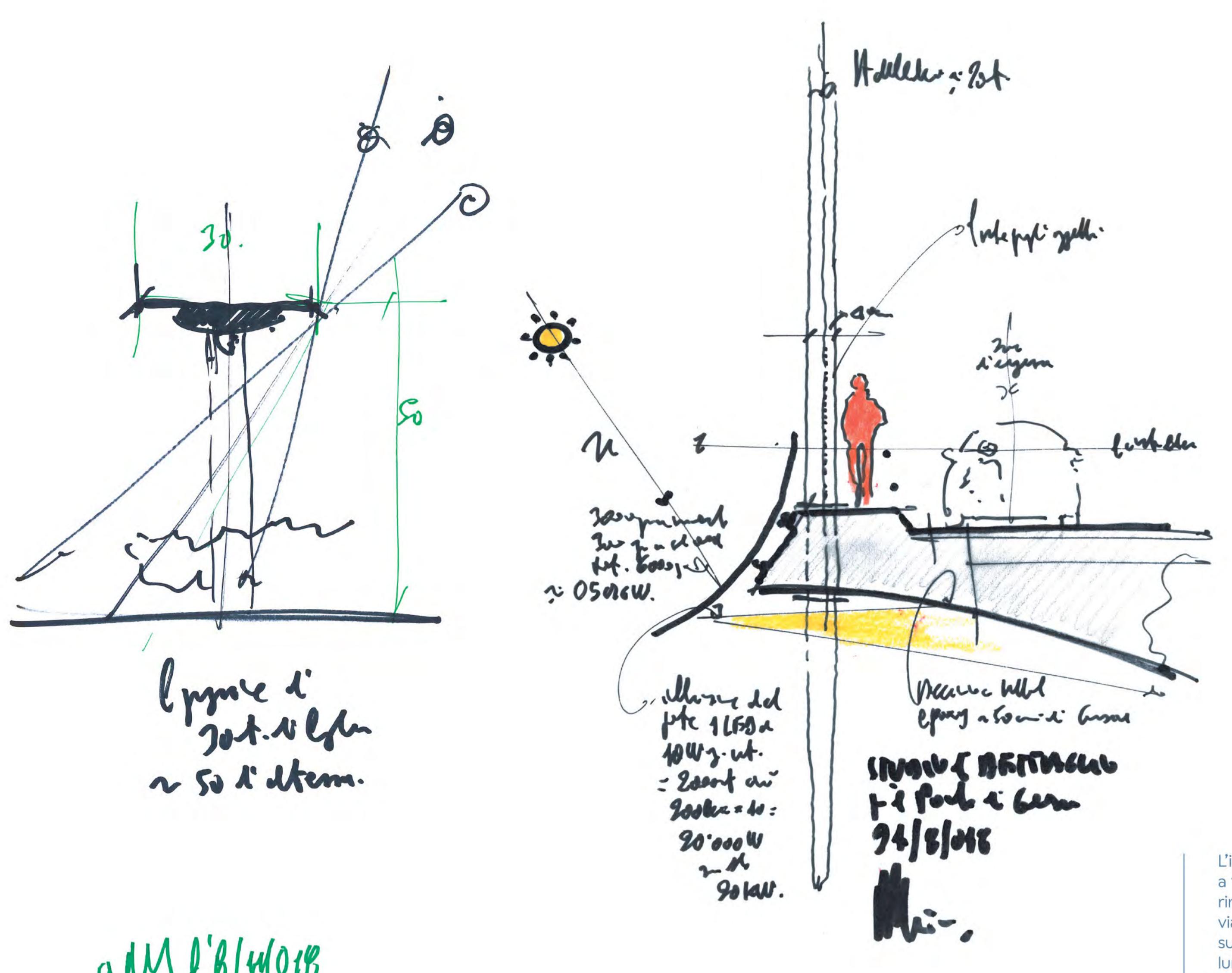




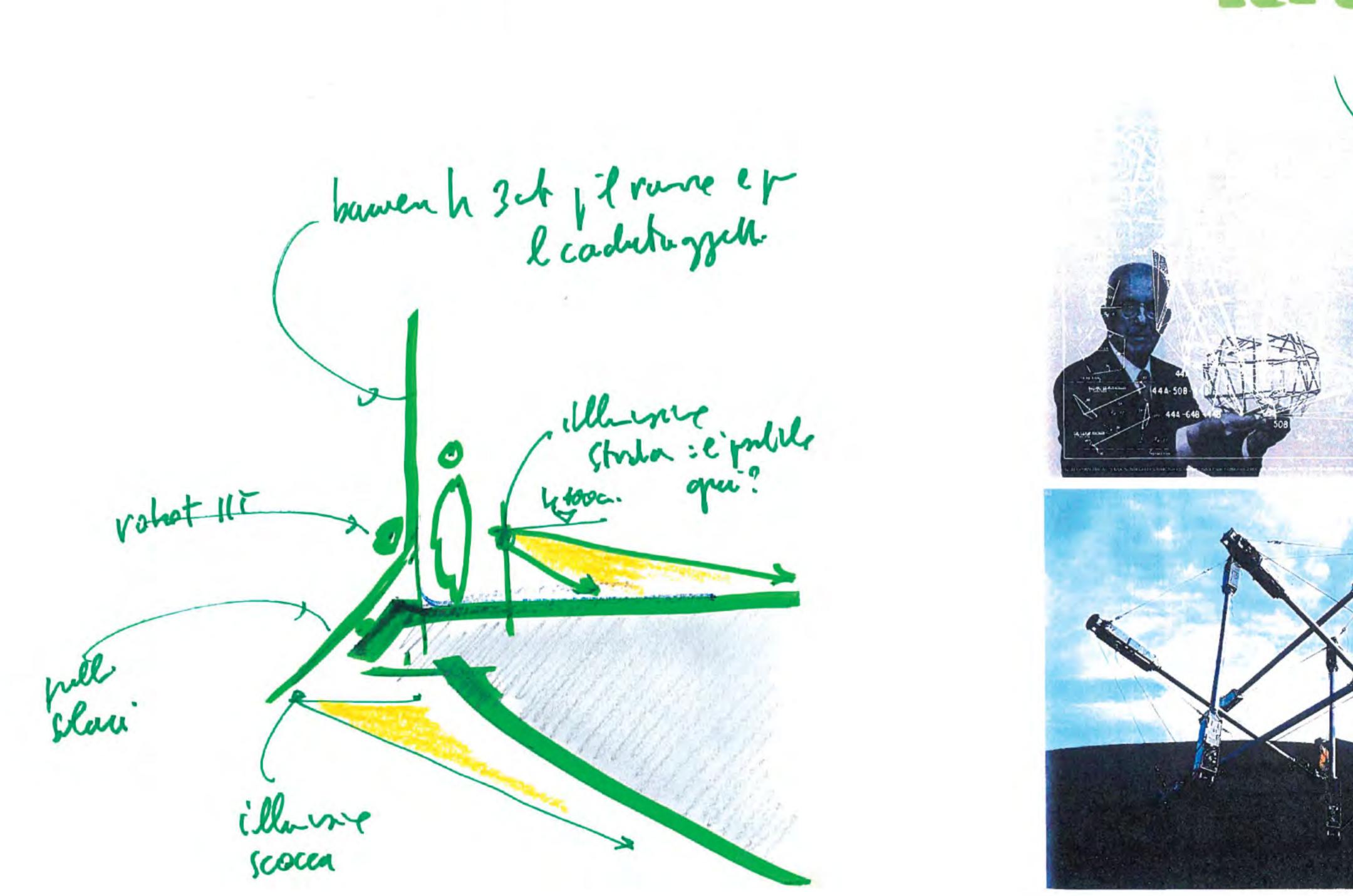








aM & 6 18 11018



L'impianto fotovoltaico di potenza pari a 198,51 kWp consente di utilizzare energia rinnovabile per le utenze elettriche del viadotto. L'impianto fotovoltaico è installato su entrambi lati del viadotto per tutta la lunghezza, così come sui lati della rampa. Il sistema di captazione della luce solare è costituito da moduli fotovoltaici con celle solari policristalline, installati su appositi elementi strutturali con superfici inclinate di 45° sulle facciate nord e sud del viadotto, e sui lati nord-ovest e sud-est della rampa collegata al viadotto.

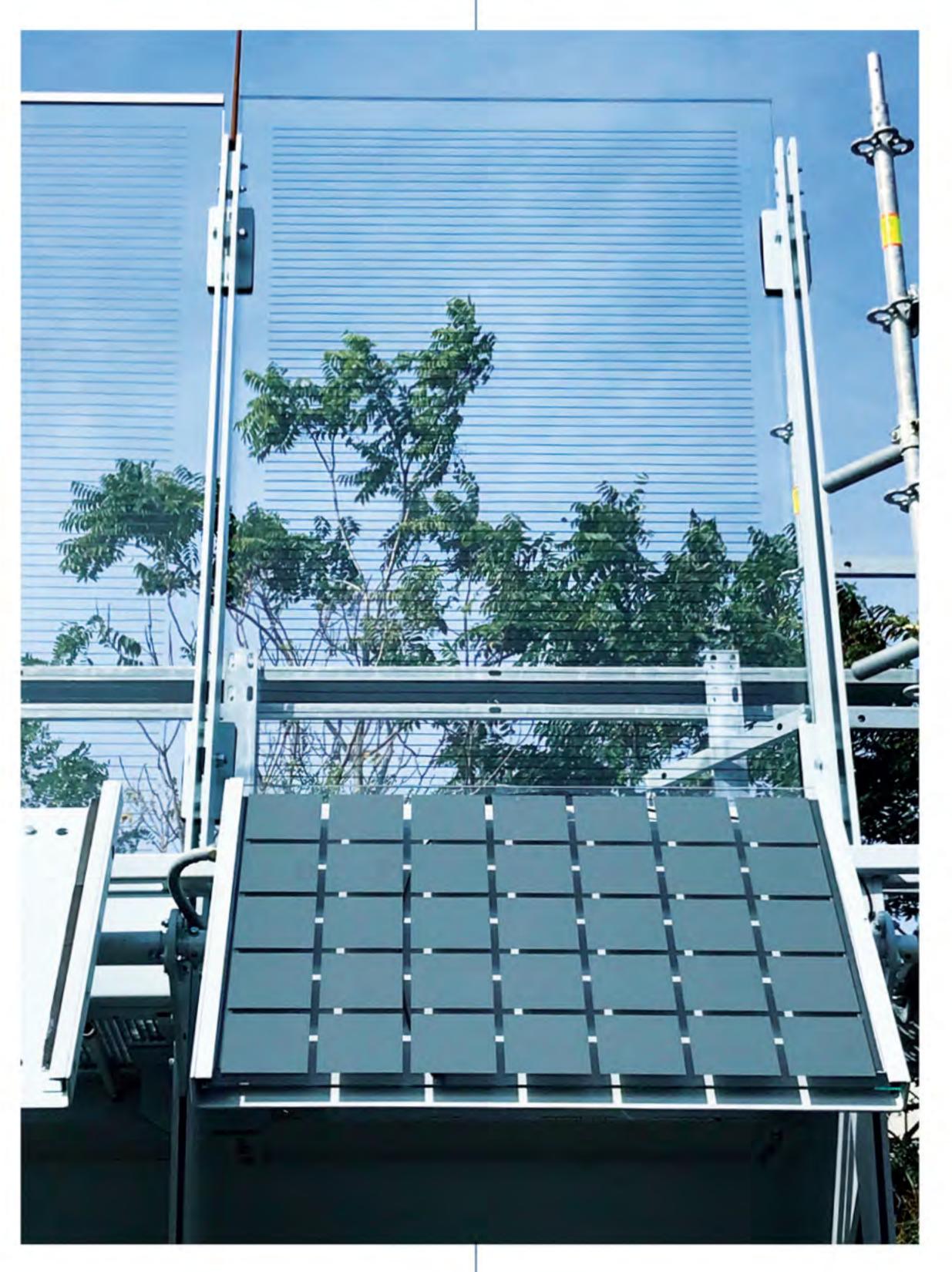
The photovoltaic system with a power of 198.51 kWp makes it possible to use renewable energy for the electrical utilities of the viaduct. The photovoltaic system is installed on both sides of the viaduct for its whole length, as well as at the sides of the ramp. The solar light capture system consists of photovoltaic modules with polycrystalline solar cells installed on special structural elements with 45° inclined surfaces on the north and south facades of the viaduct, and on the north-west and south-east sides of the ramp connected to the viaduct.

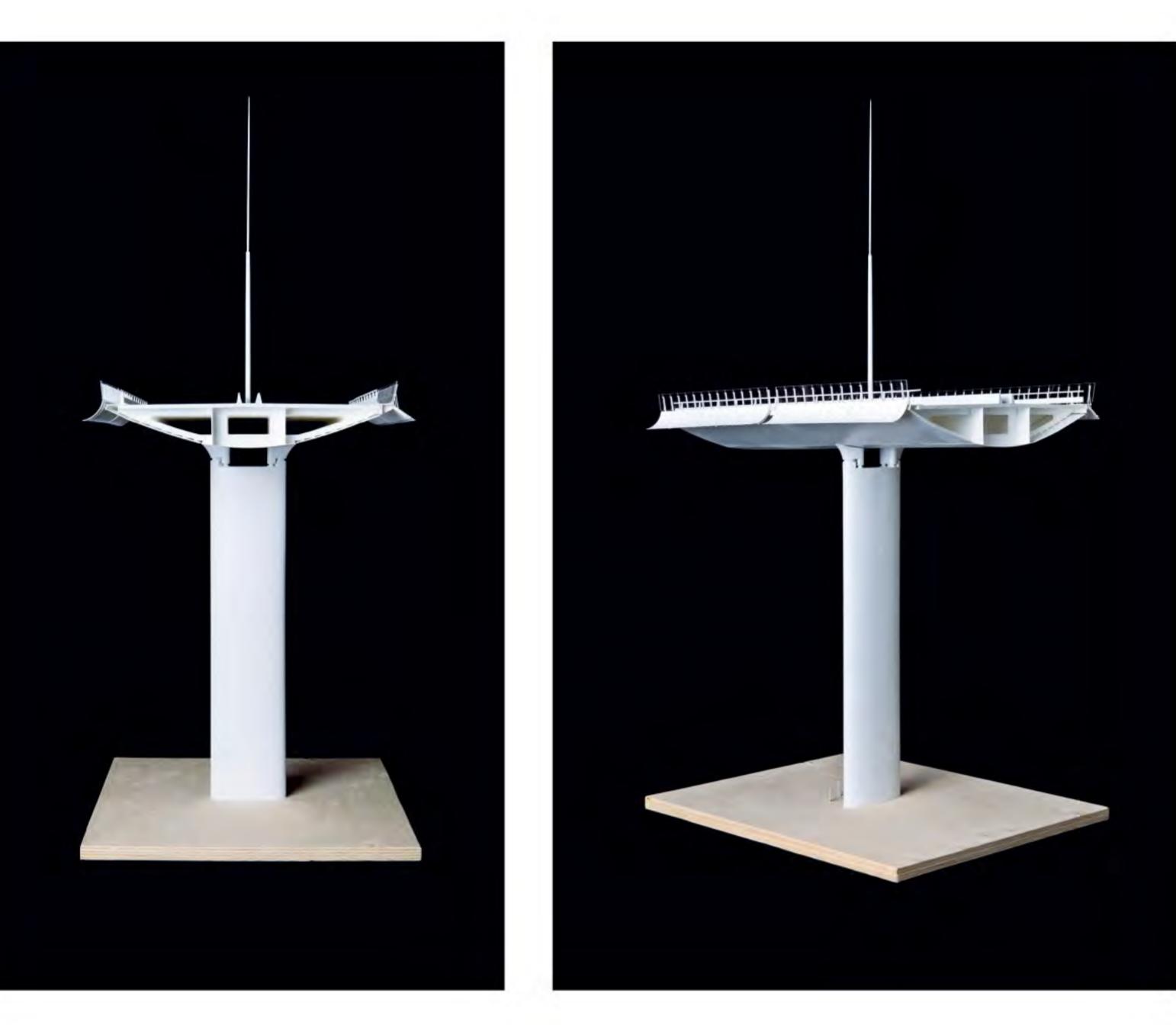
piccola piattaforma di lancio;

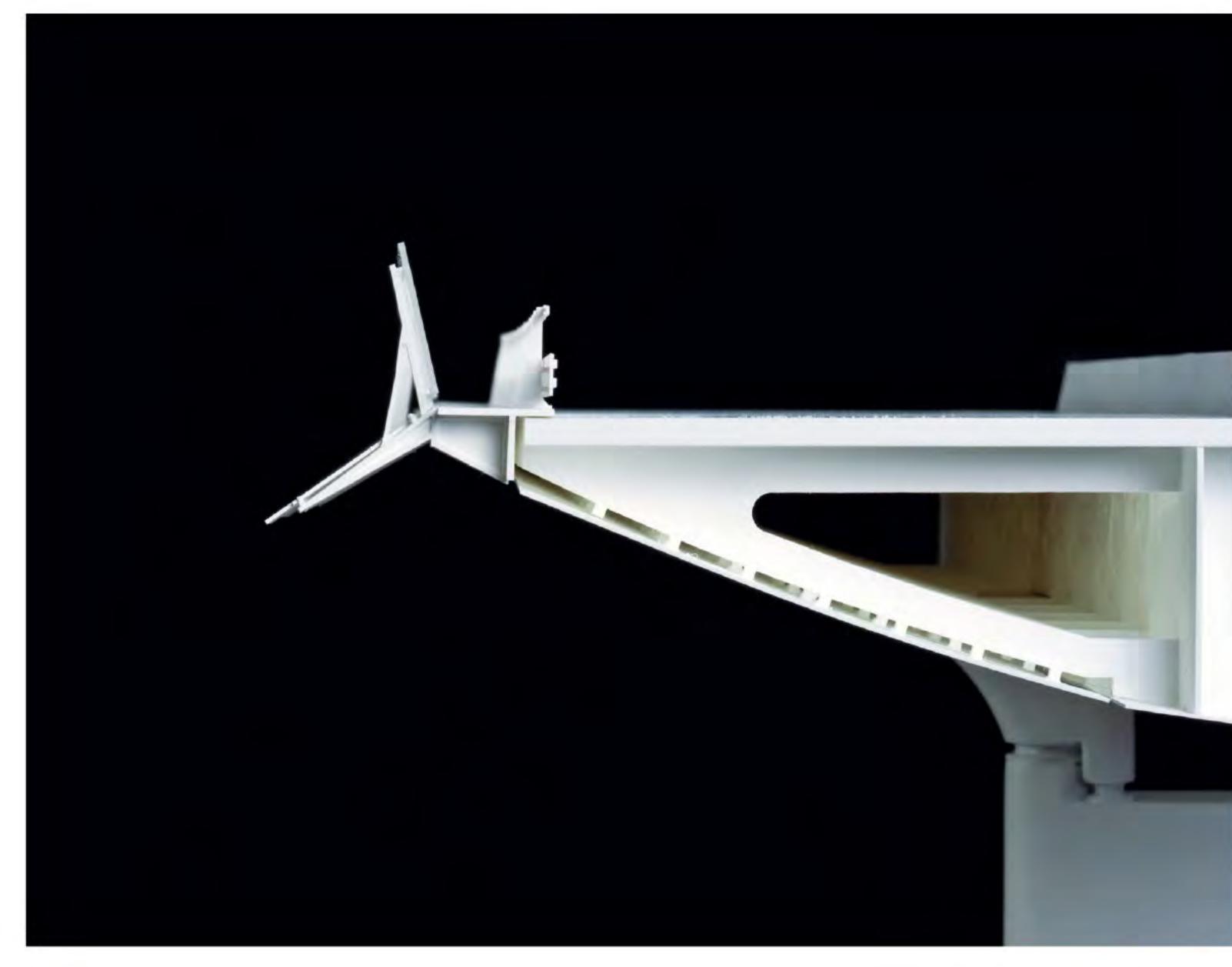
quando rilasciati verso la loro destinazione; c) rimbalzano giungendo a destinazione e non richiedono l'aggiunta di protezioni per la discesa; d) dopo l'atterraggio si possono facilmente riorientare e muovere; e) sono resistenti alla cadute e ai colpi











© Stefano Goldberg

9



