

ALMA MATER STUDIORUM - UNIVERSITA' DI BOLOGNA

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CAMPUS DI CESENA  
DIPARTIMENTO DI ARCHITETTURA

CORSO DI LAUREA MAGISTRALE A CICLO UNICO IN ARCHITETTURA

GALLIERA - PROGETTO DI RIQUALIFICAZIONE  
da Ex Area Industriale a Polo Agri-Tech

Tesi in  
Architettura Sostenibile

Relatore:  
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Presentata da:  
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Gabriella Martini

Correlatori:  
Prof.ssa Danila Longo  
Prof. Kristian Fabbri  
Arch. Eurind Caka

Anno Accademico 2021/2022

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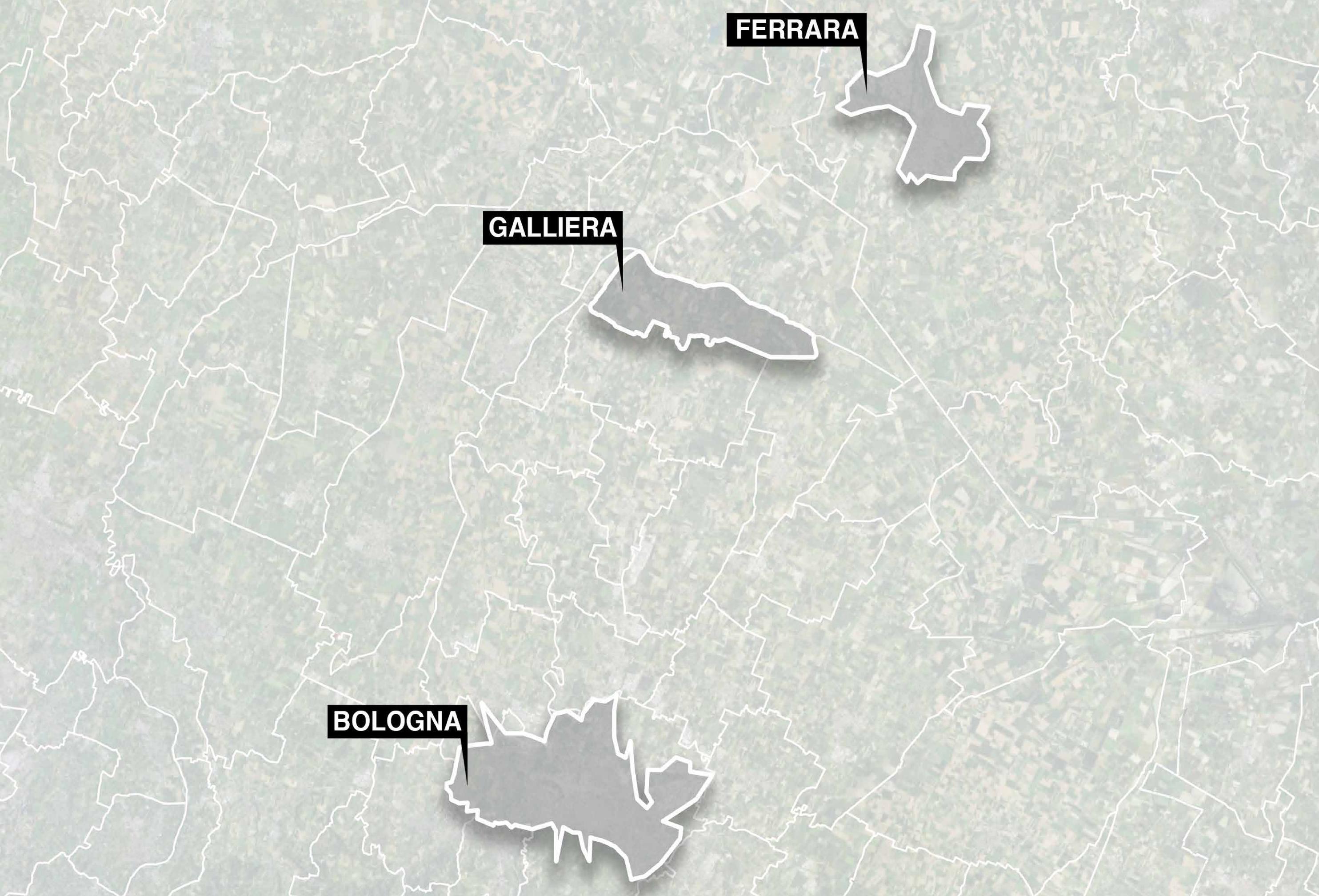
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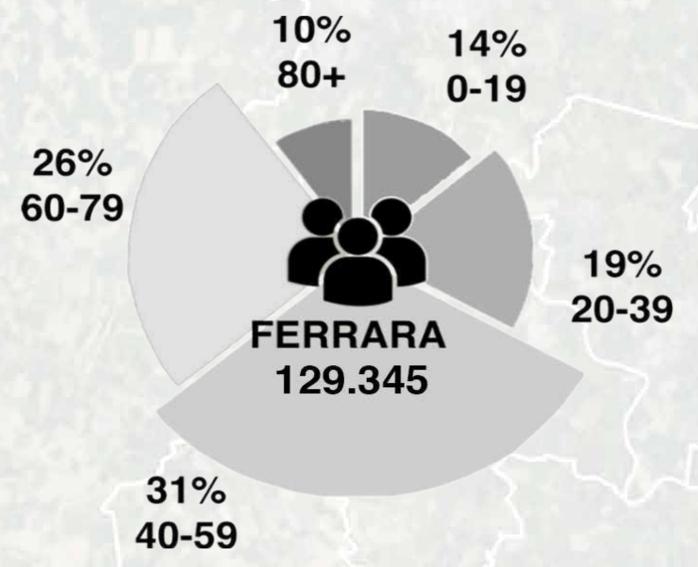
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**GALLIERA**

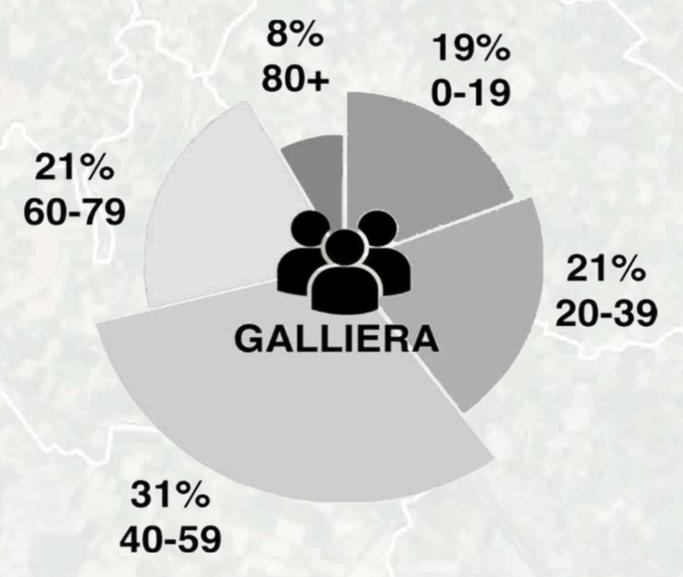
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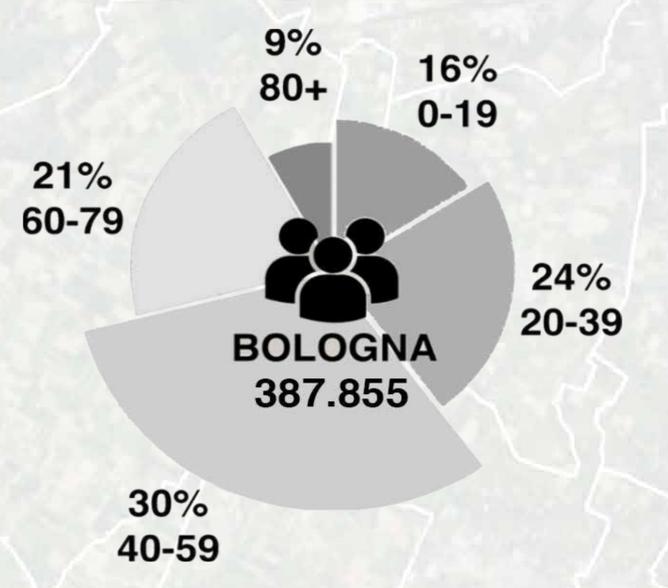
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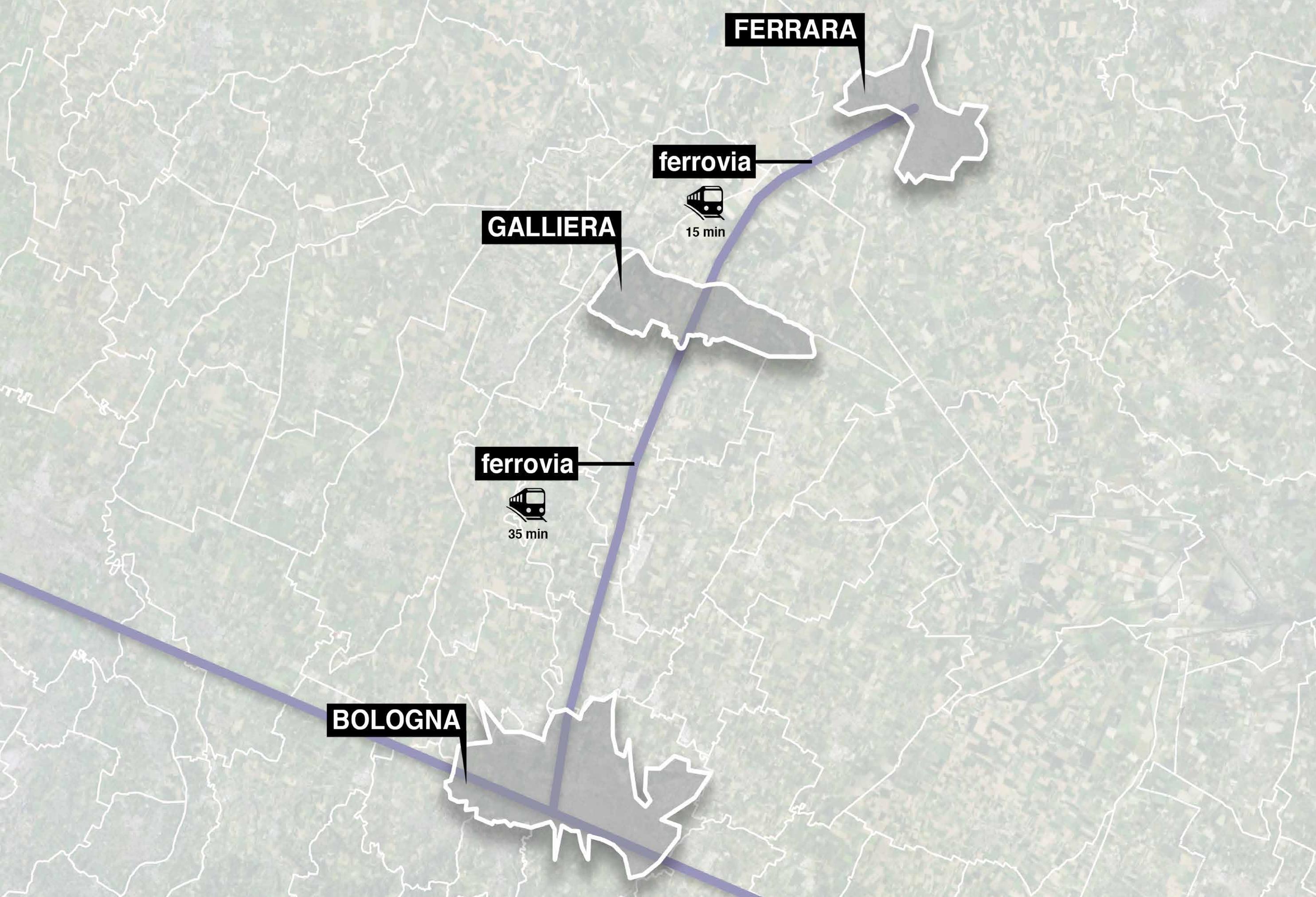


**GALLIERA**



**BOLOGNA**





**FERRARA**

**ferrovia**



15 min

**GALLIERA**

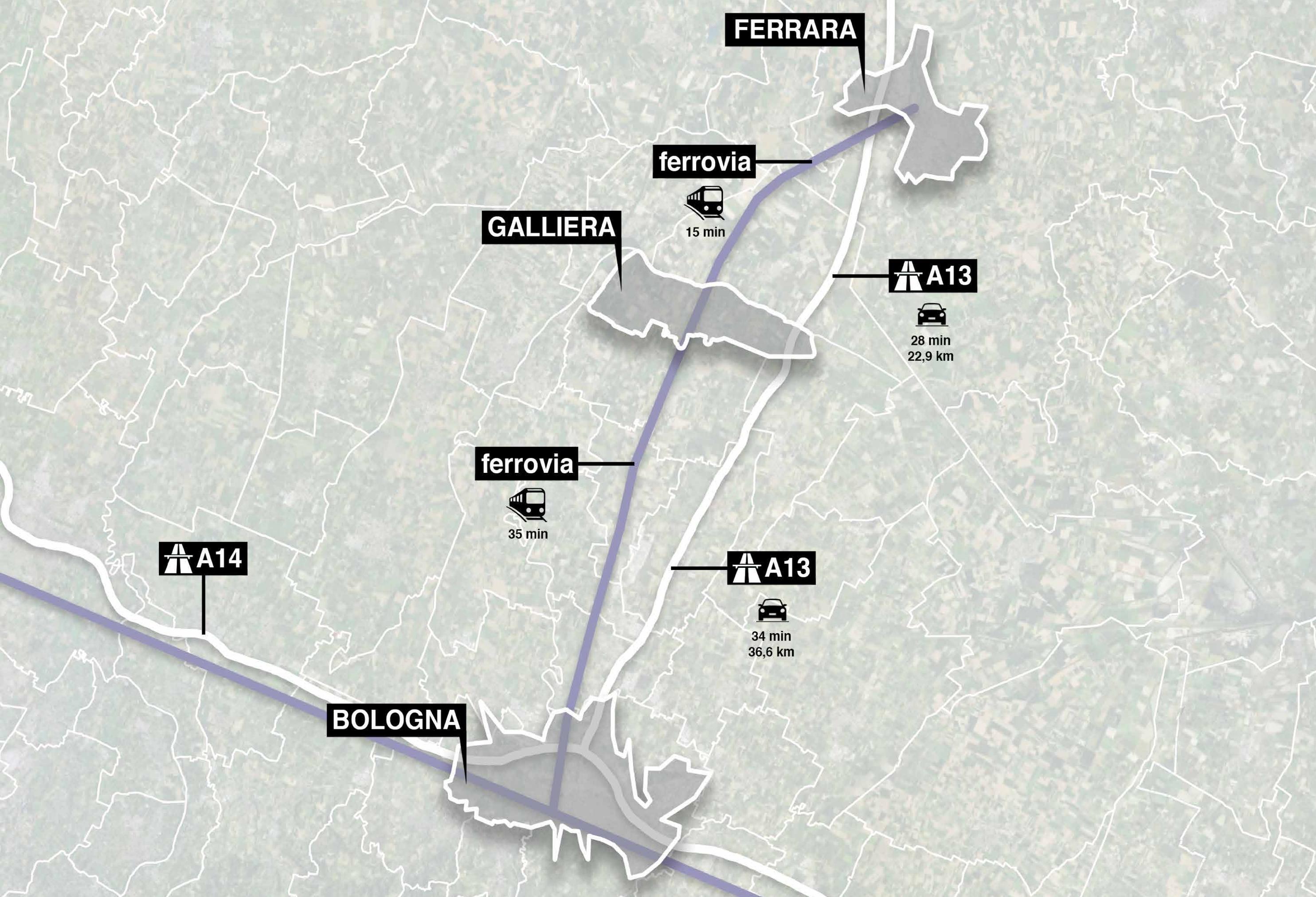
**ferrovia**



35 min

**BOLOGNA**





**FERRARA**

**ferrovia**

15 min

**GALLIERA**

**A13**

28 min  
22,9 km

**ferrovia**

35 min

**A14**

**A13**

34 min  
36,6 km

**BOLOGNA**





**EX-SIAPA**

**canale della botte**





**Galliera**

**San Venanzio**

**EX-SIAPA**

**San Vincenzo**

**canale della botte**





  
**ferrovia**

**Galliera**

**San Venanzio**

**EX-SIAPA**

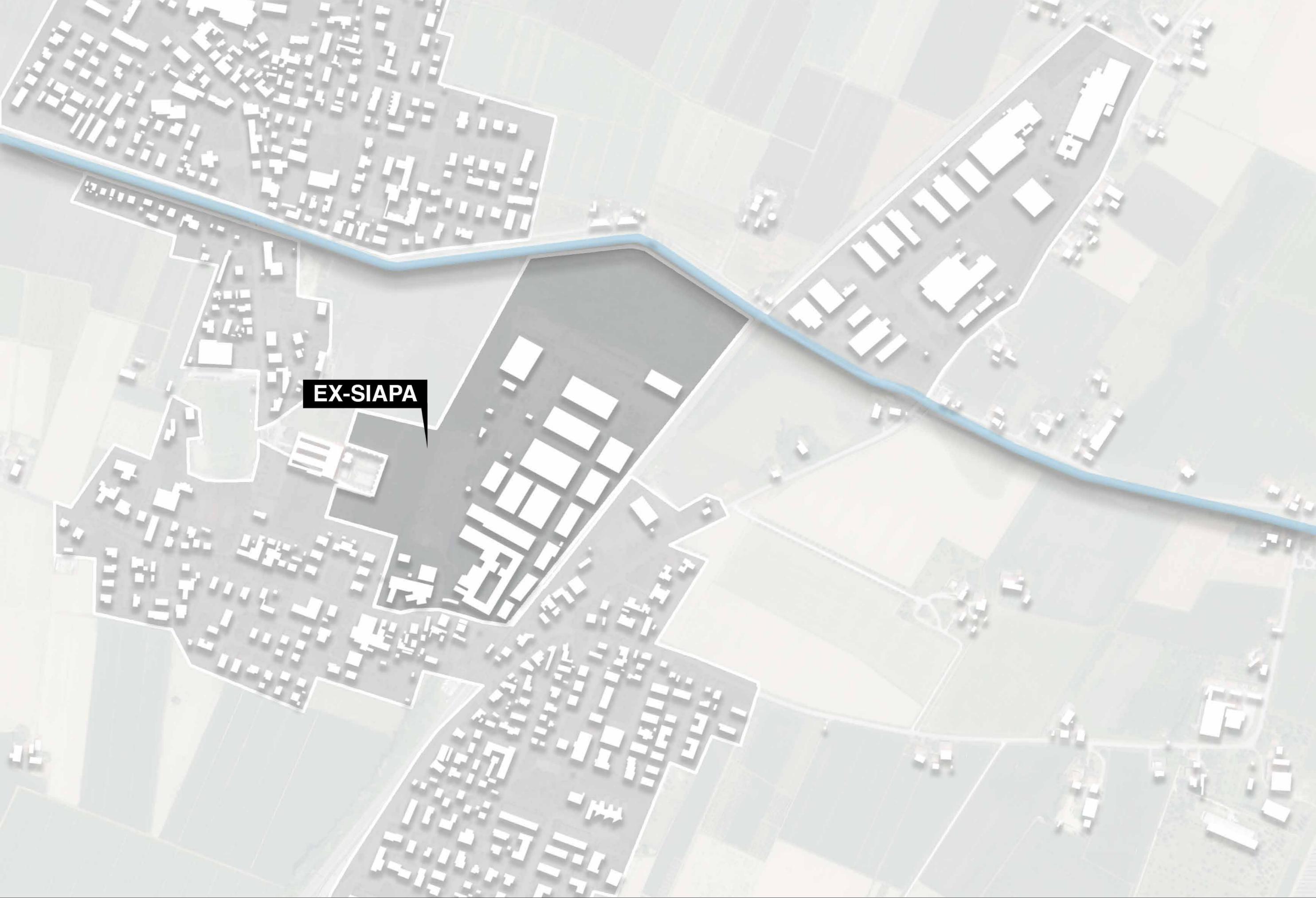
**San Vincenzo**

 **A13**

**canale della botte**

 **SP4**





**EX-SIAPA**

**SAN VENANZIO**

**ZONA INDUSTRIALE**

**EX-SIAPA**

**SAN VINCENZO**



**SAN VENANZIO**

**ZONA INDUSTRIALE**

**EX-SIAPA**

**ferrovia**

**SP4**

**stazione**

**SP12**

**SAN VINCENZO**



**SAN VENANZIO**

**ZONA INDUSTRIALE**

 **municipio**

 **chiesa**

 **scuola primaria**

 **campi sportivi**

**EX-SIAPA**

**ferrovia**

 **SP4**

**stazione**

 **SP12**

**SAN VINCENZO**

 **scuola materna**

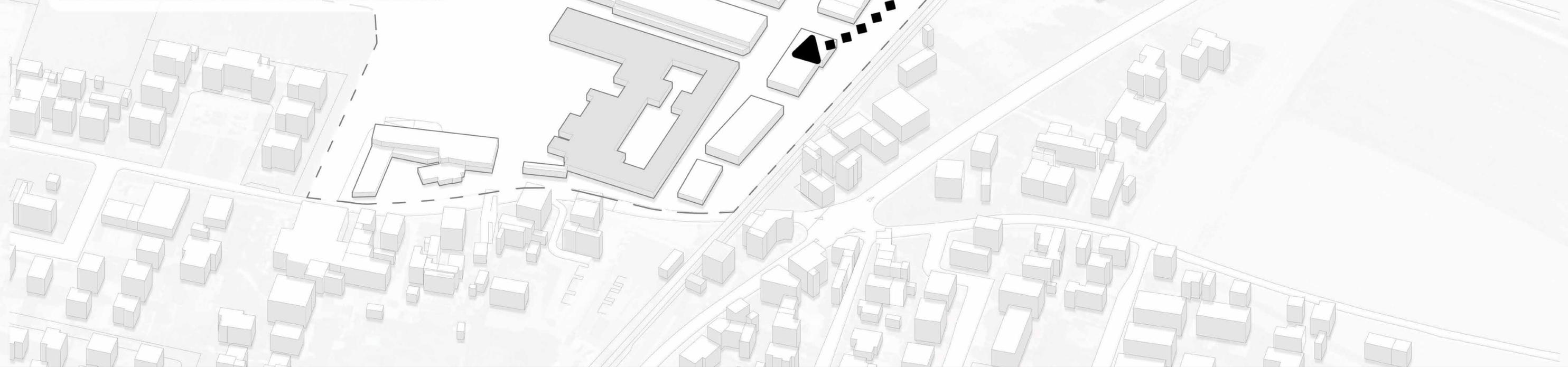
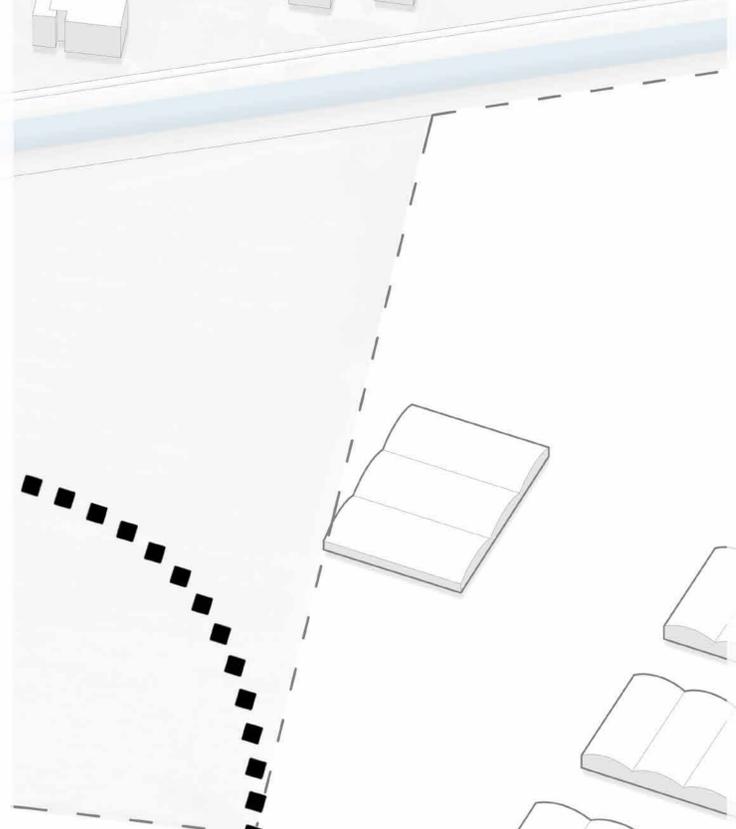


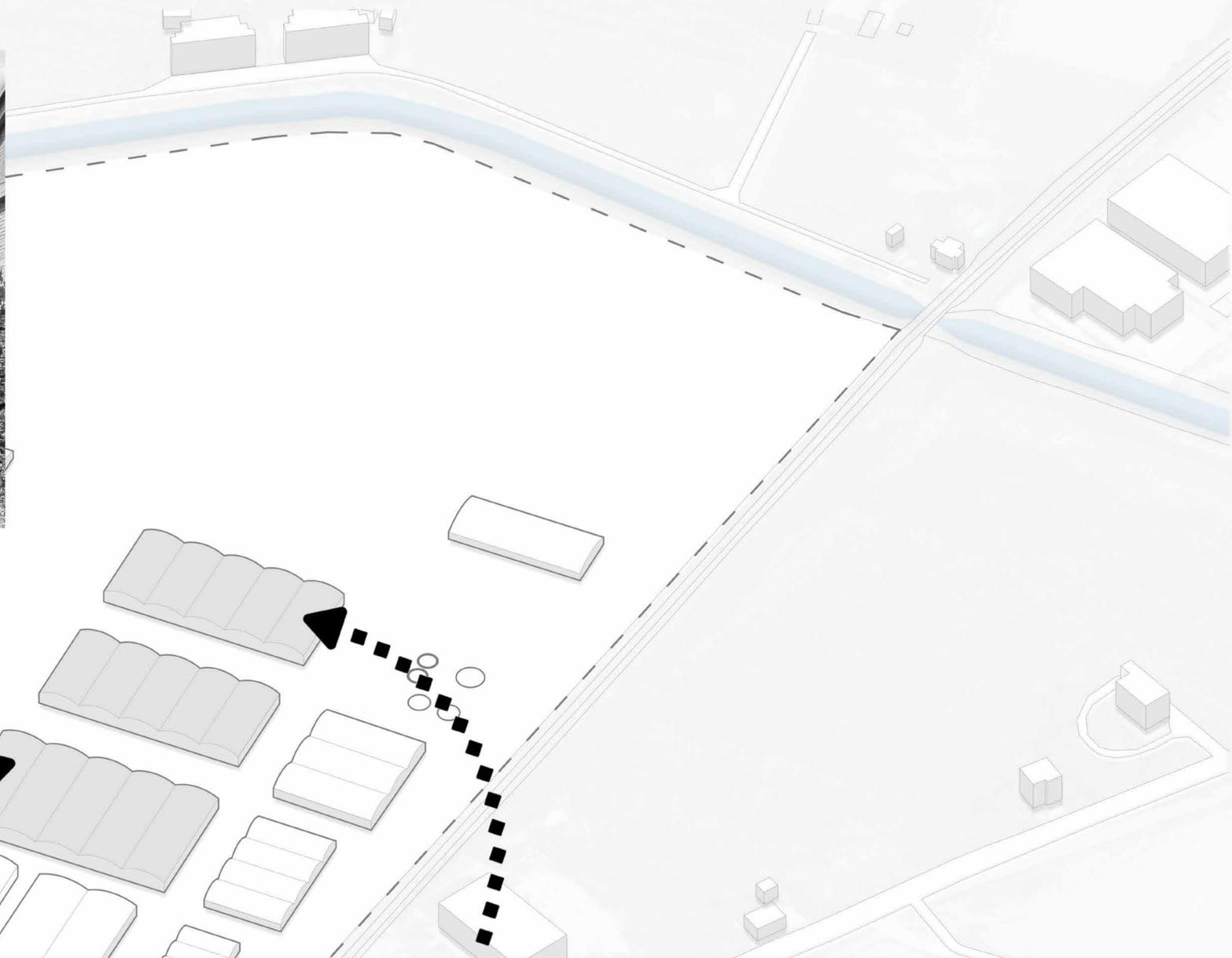


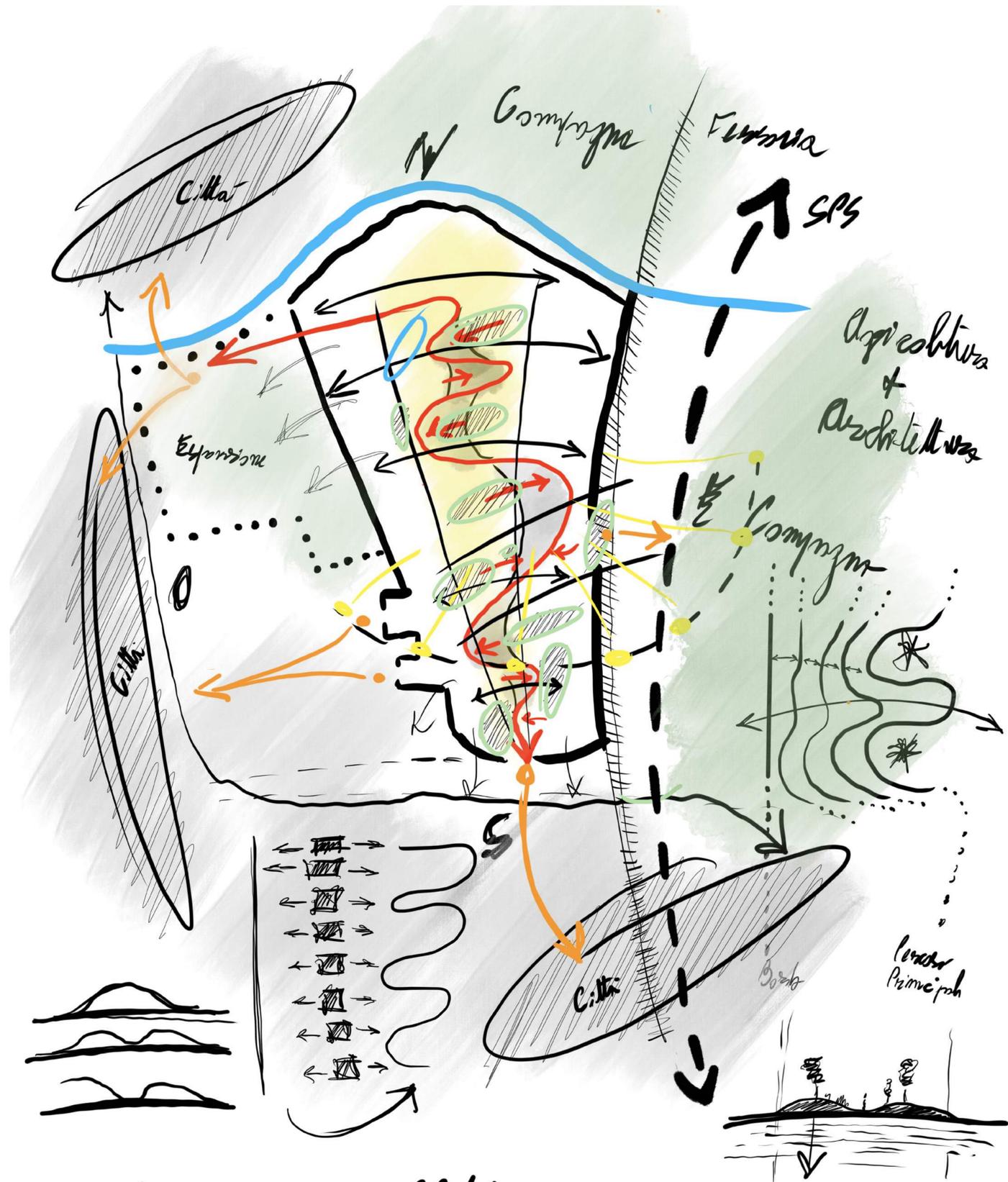




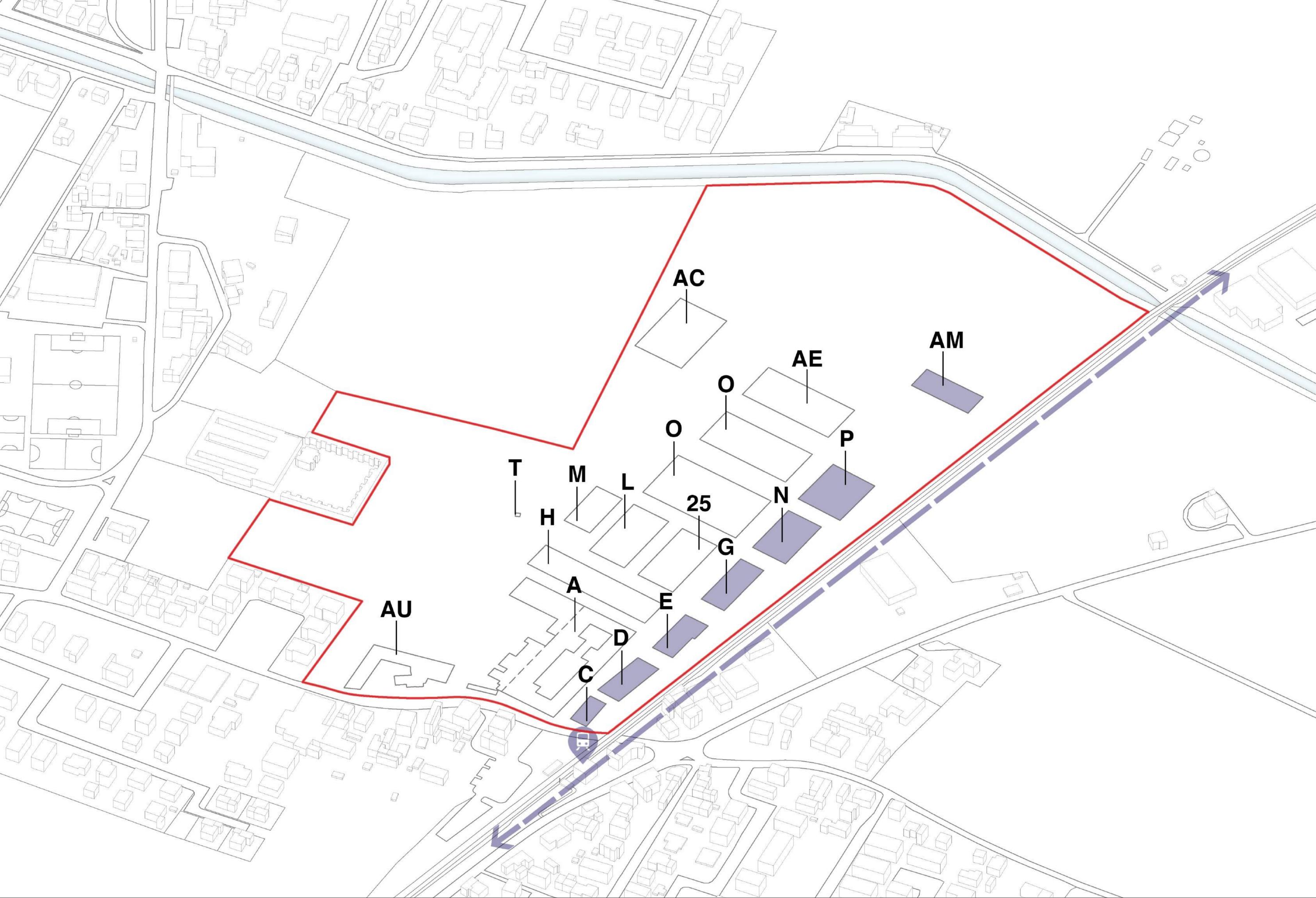


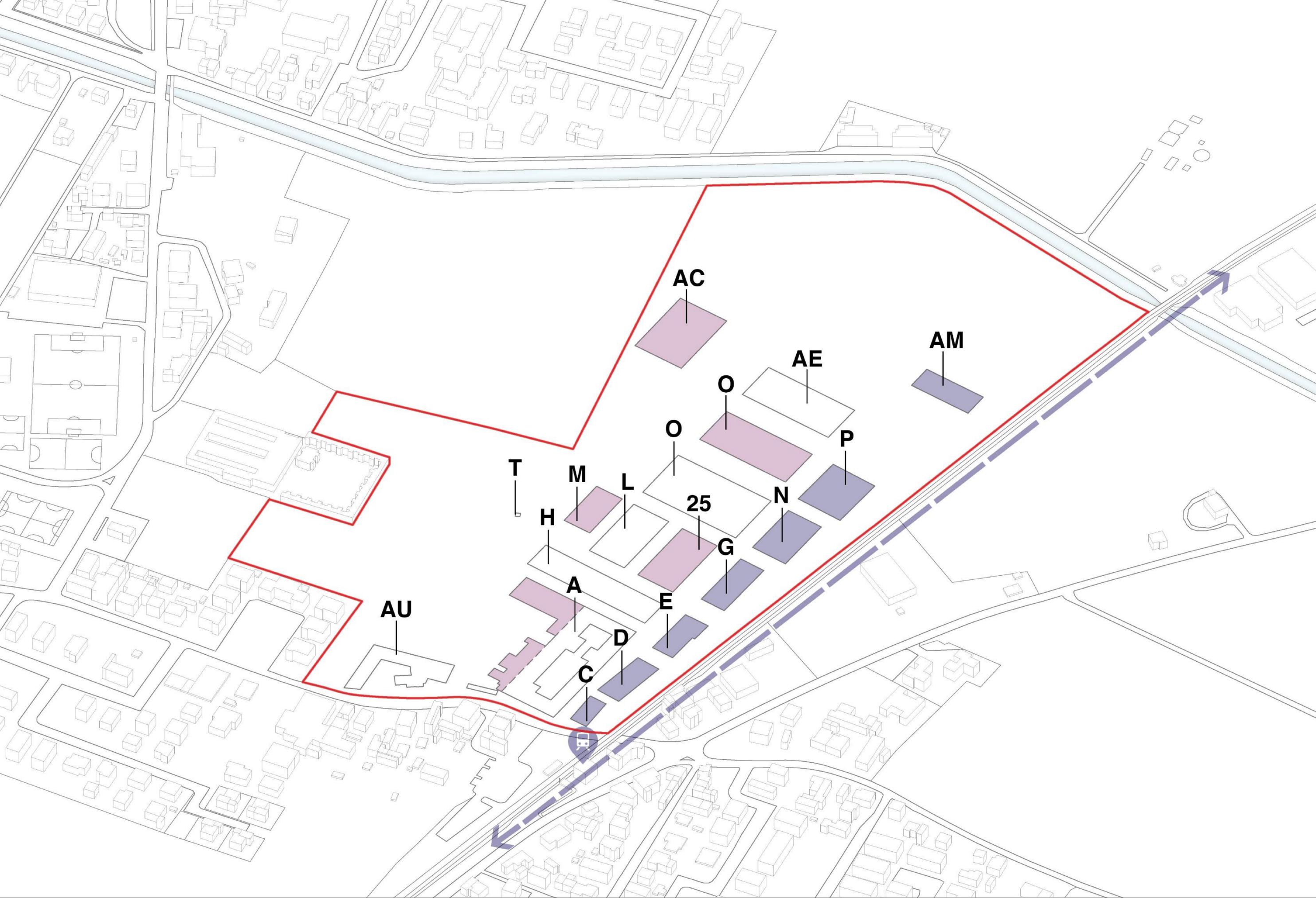






EX-SIAPA, GALLIERA, BO













1.



5.



2.



6.



3.



7.



4.



8.





- VERTICAL FARM
- BIO LAGO
- COLLINA
- ORTI
- SERRE SOCIALI

- AE**
- LABORATORI
- UFFICI

- O**
- LIBRERIA
- RISTORANTE / BAR
- INFO POINT

- STAZIONE

- PIAZZA

- ISTITUTO COMPRESIVO

- ZONA COMMERCIALE

- AULE STUDIO

- STUDENTATO

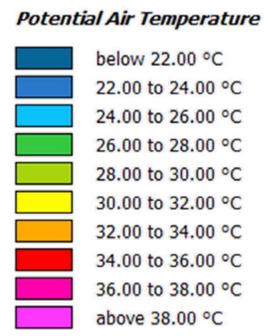
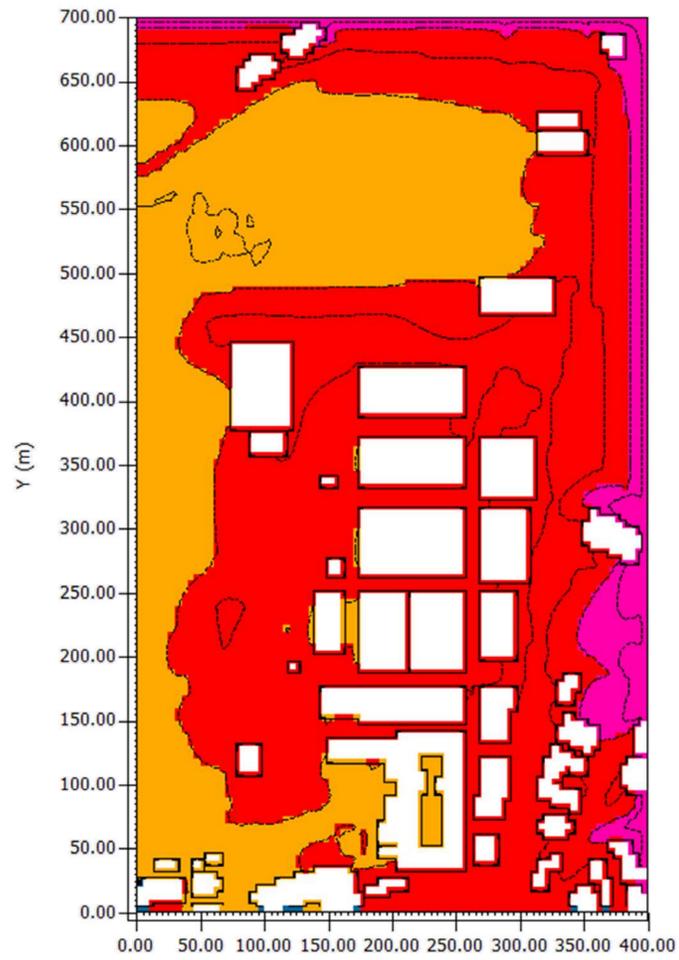
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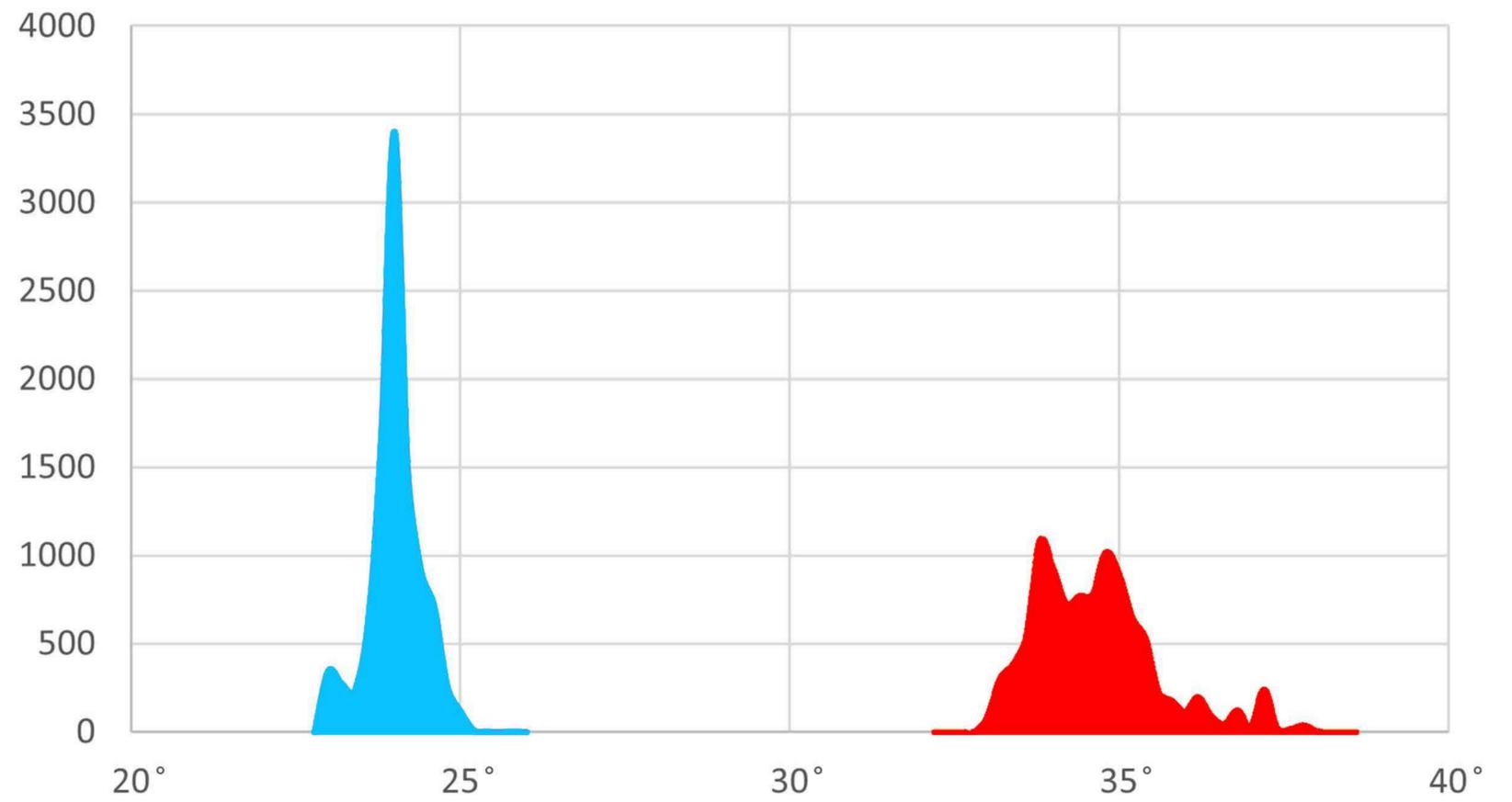
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VISTA NOTTURNA PERCORSO PRINCIPALE

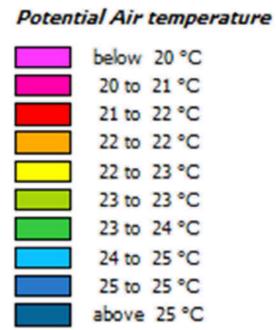
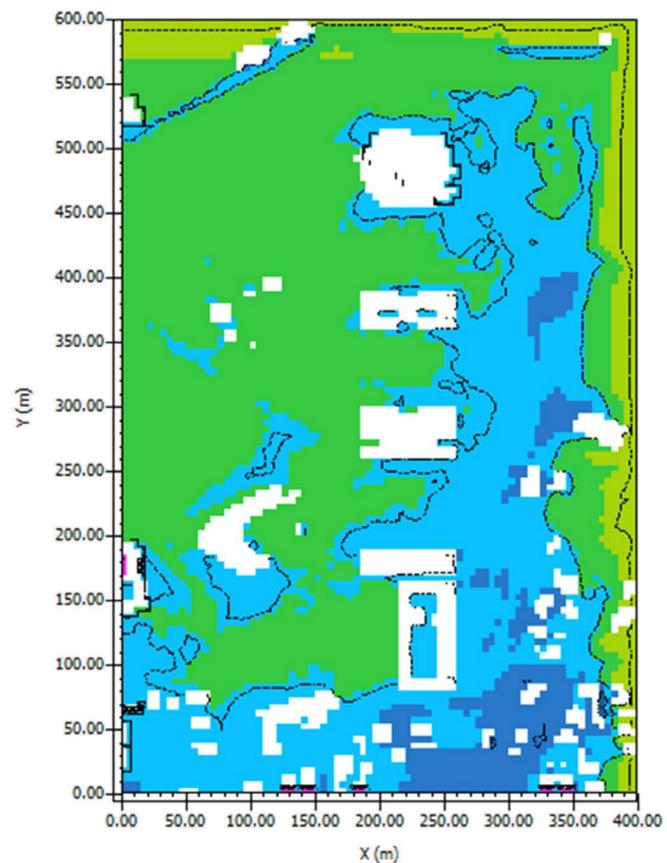


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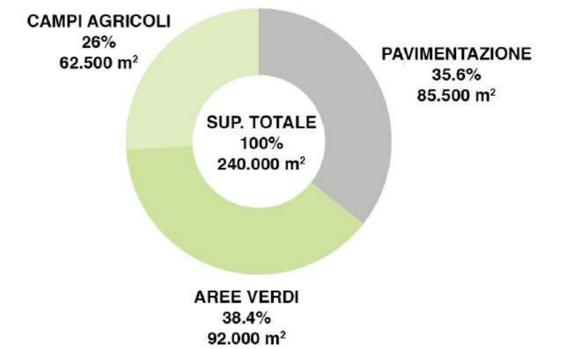
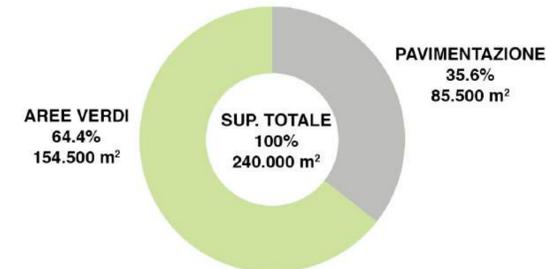
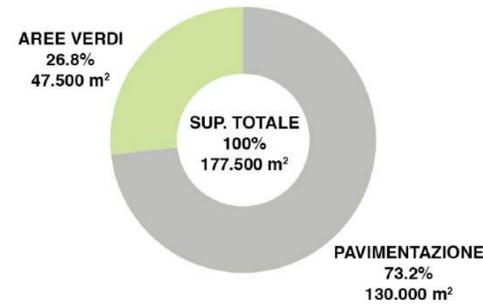


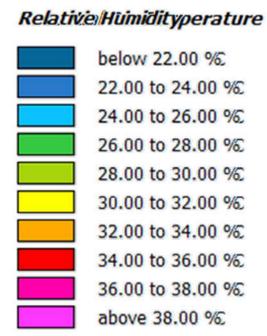
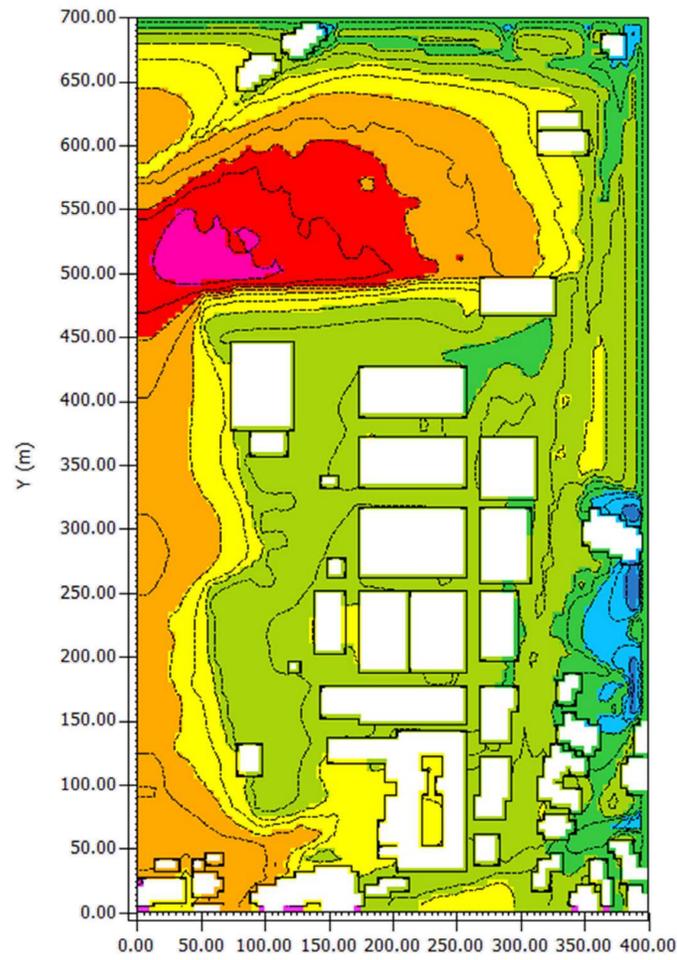
TEMPERATURA PROGETTO  
ore 12.00 14 agosto

TEMPERATURA STATO DI FATTO  
ore 12.00 14 agosto

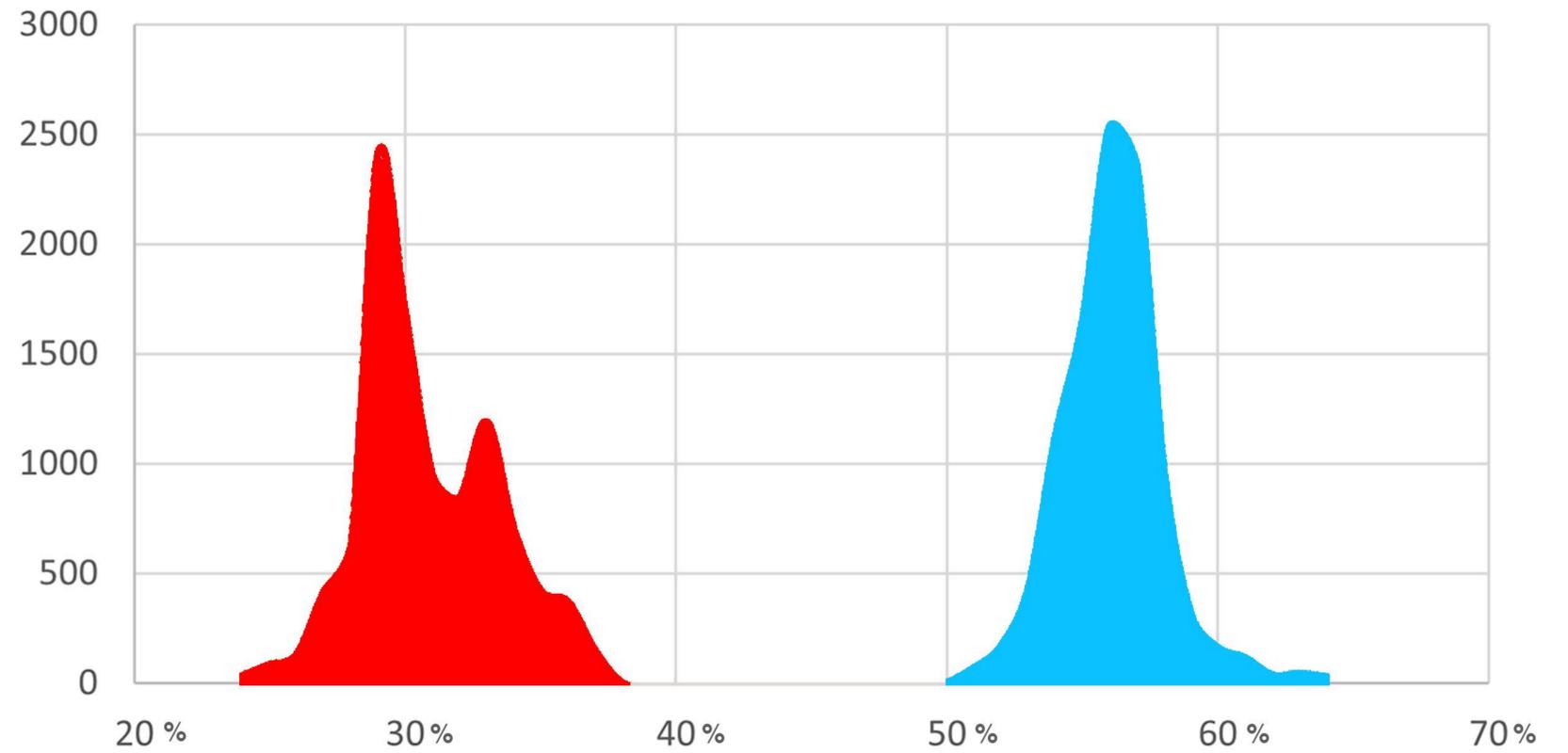


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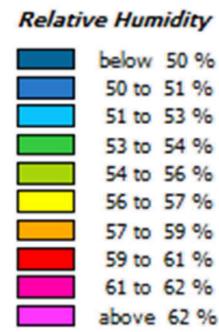
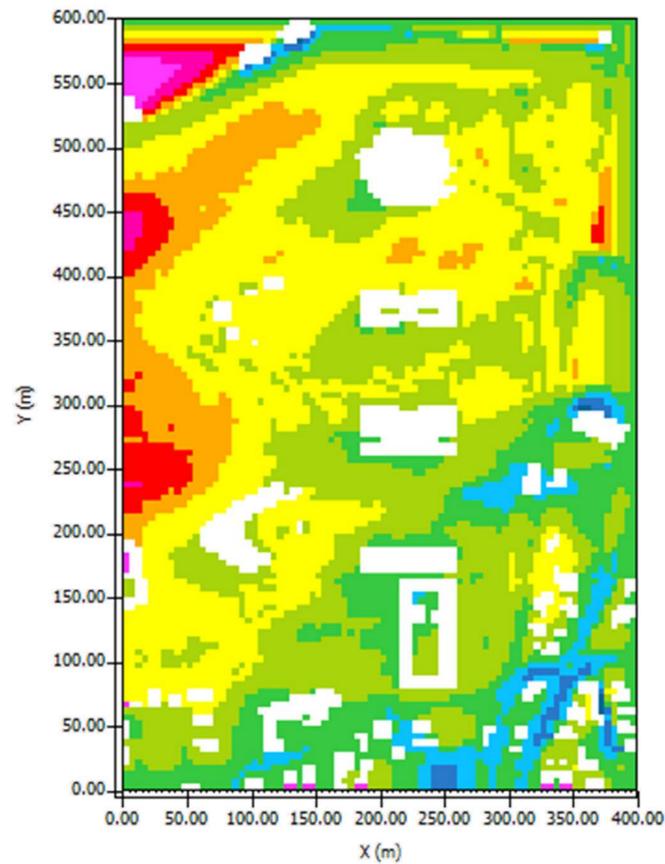


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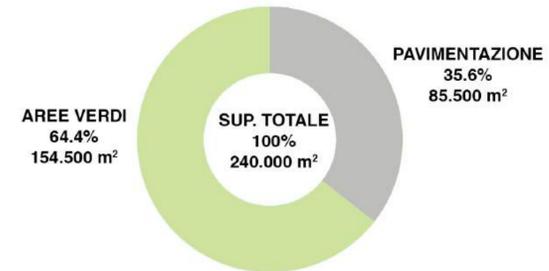
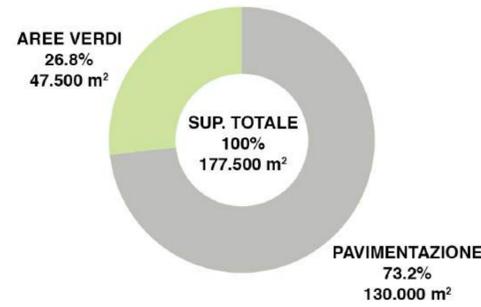


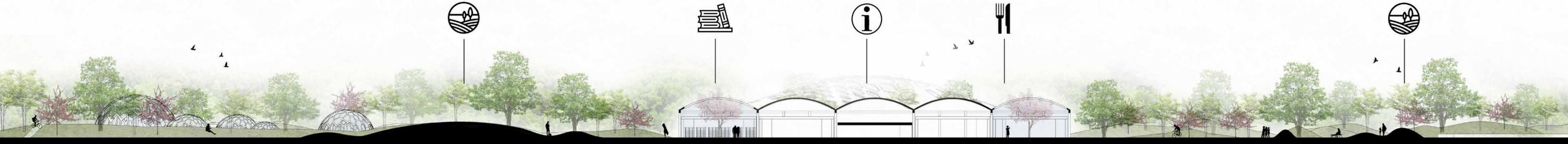
**UMIDITA' RELATIVA  
STATO DI FATTO  
ore 12.00 14 agosto**

**UMIDITA' RELATIVA  
PROGETTO  
ore 12.00 14 agosto**

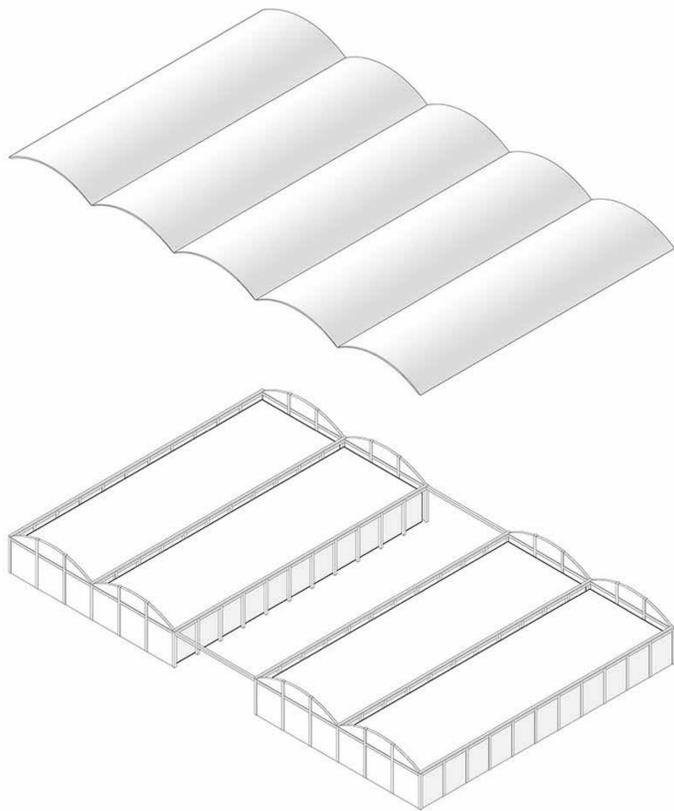


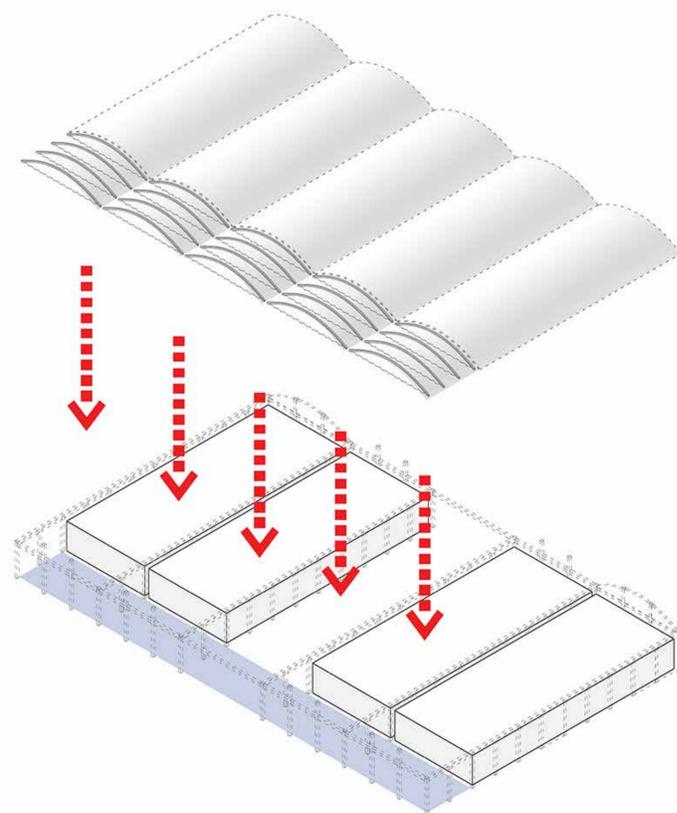
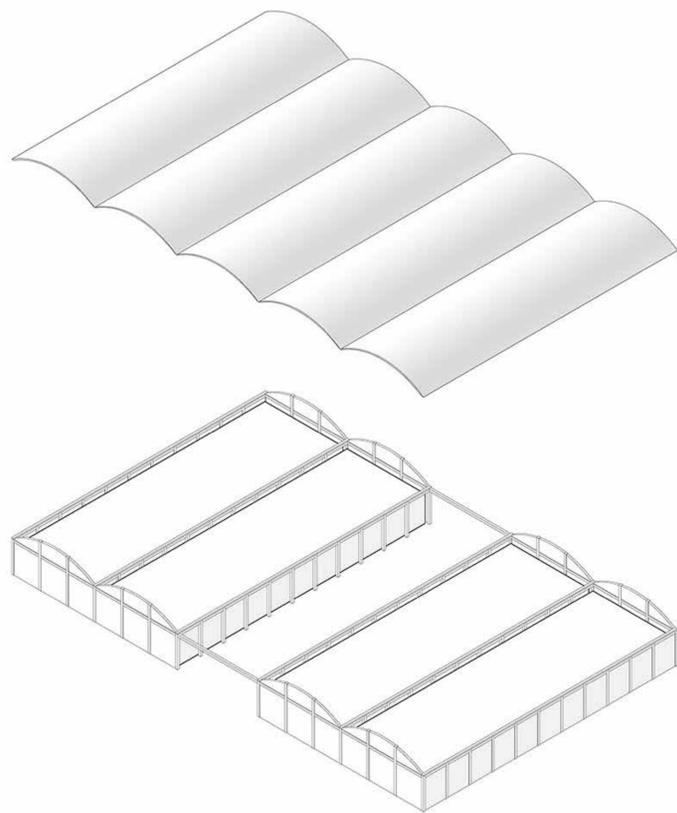
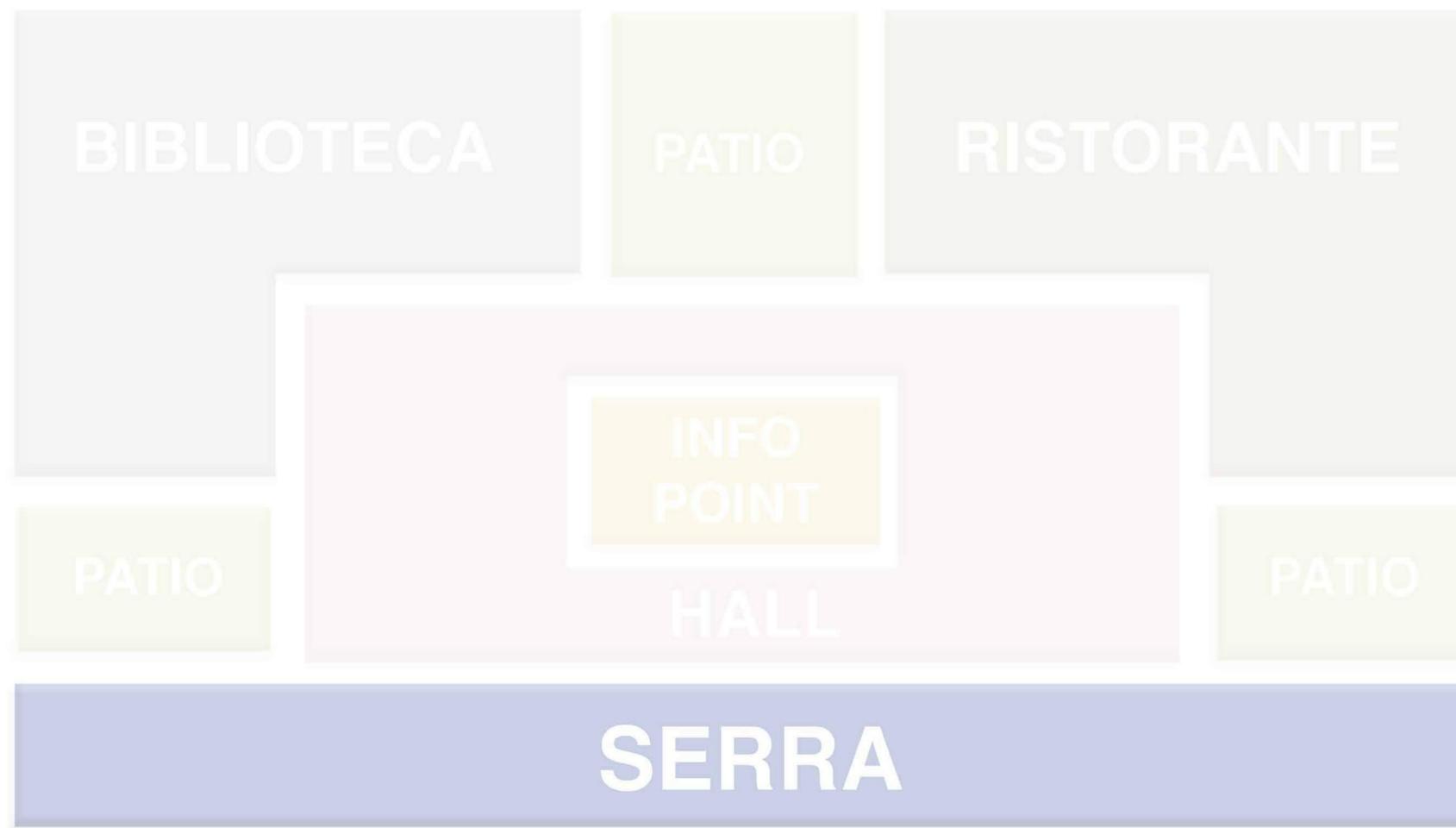
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Max: 64 %

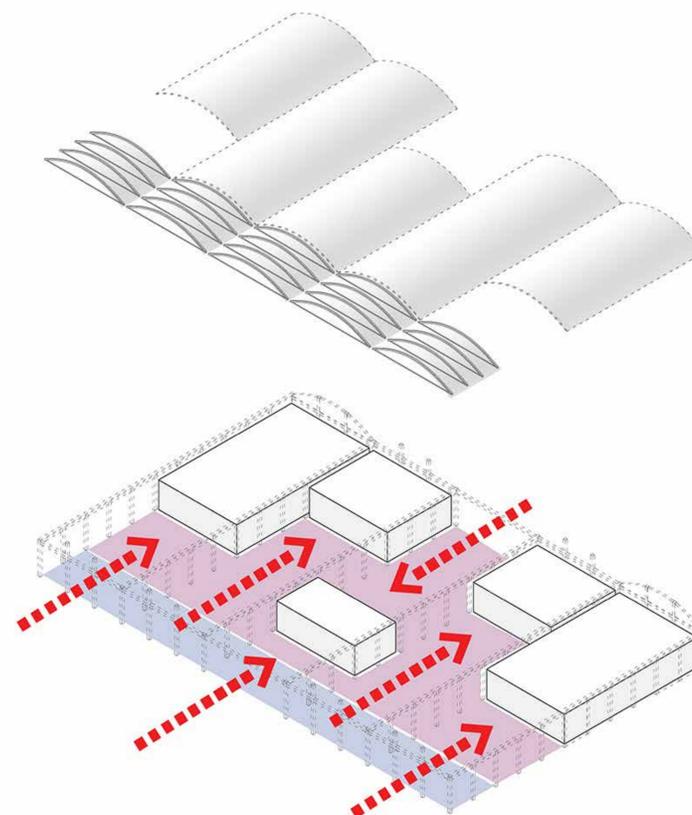
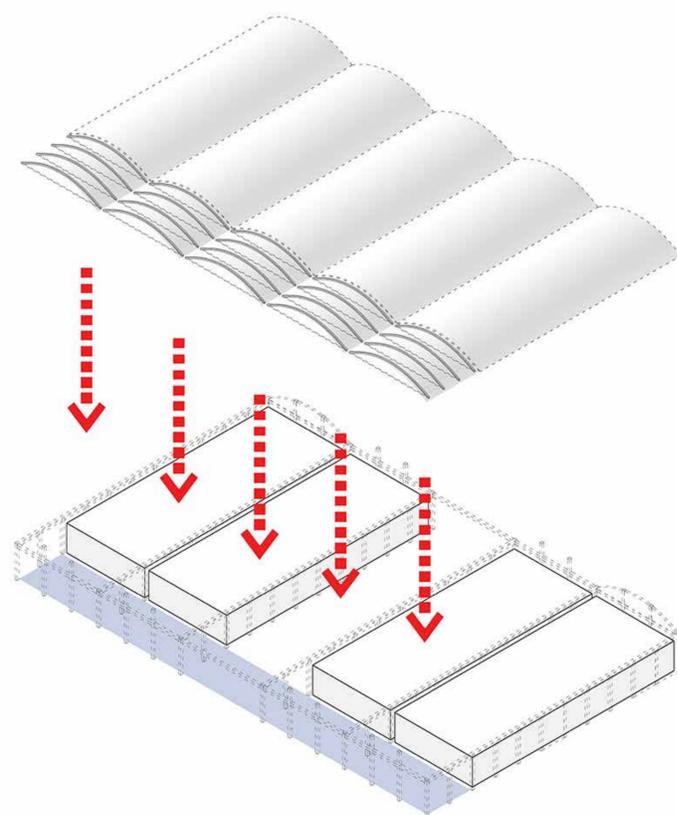
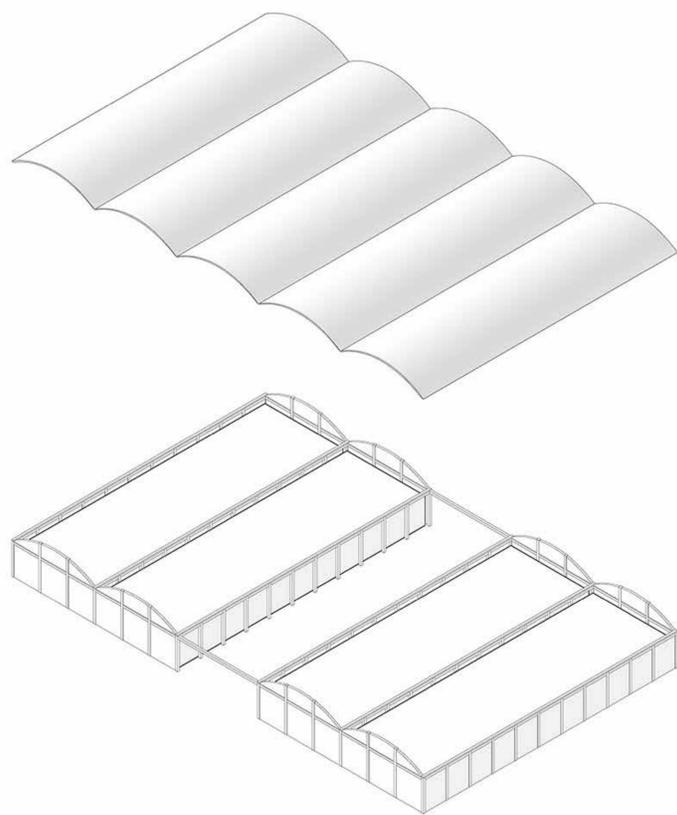


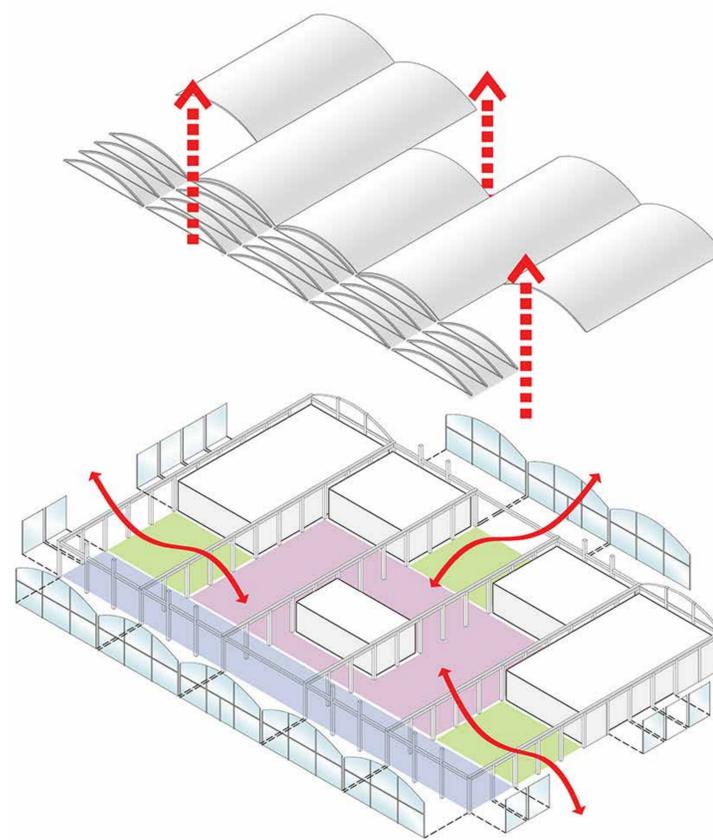
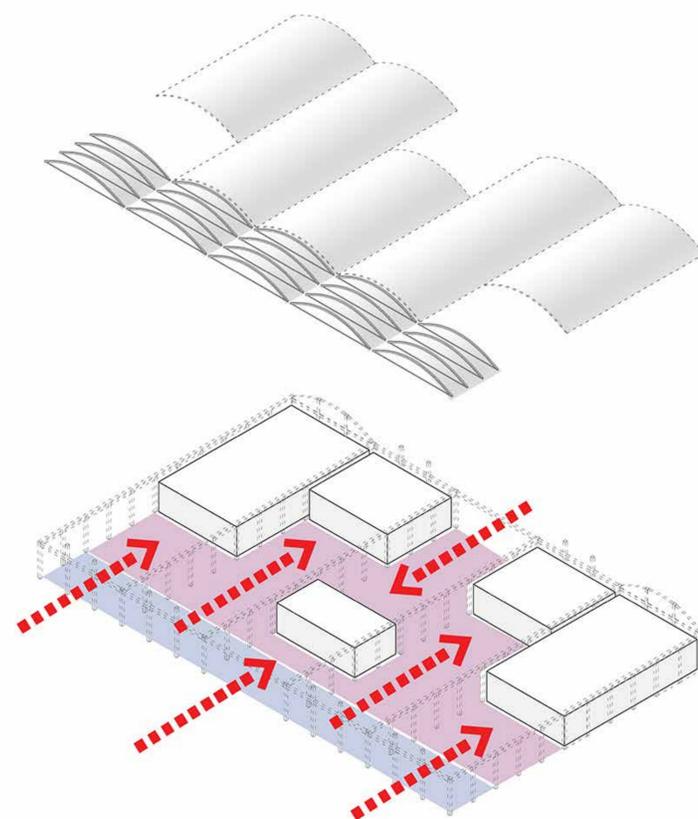
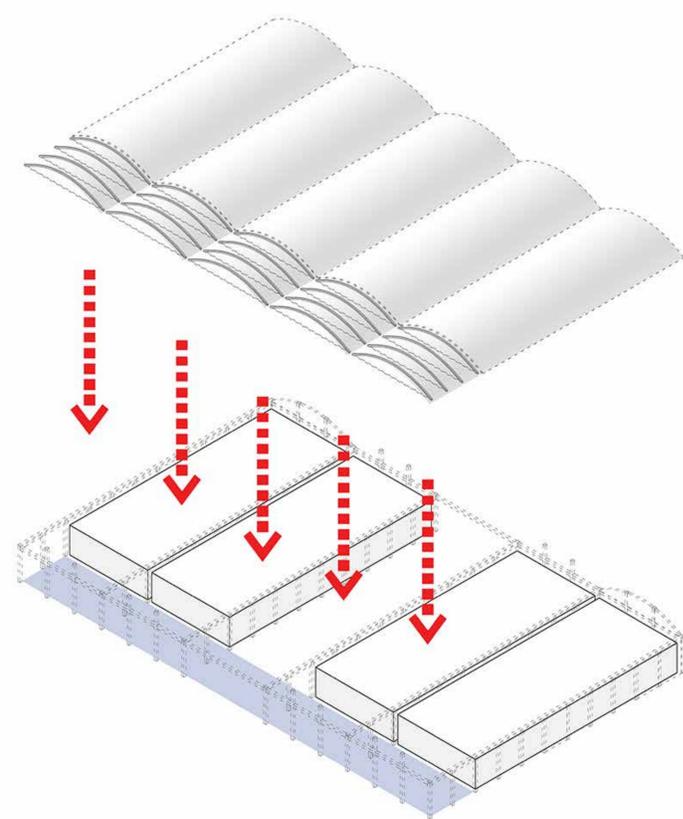
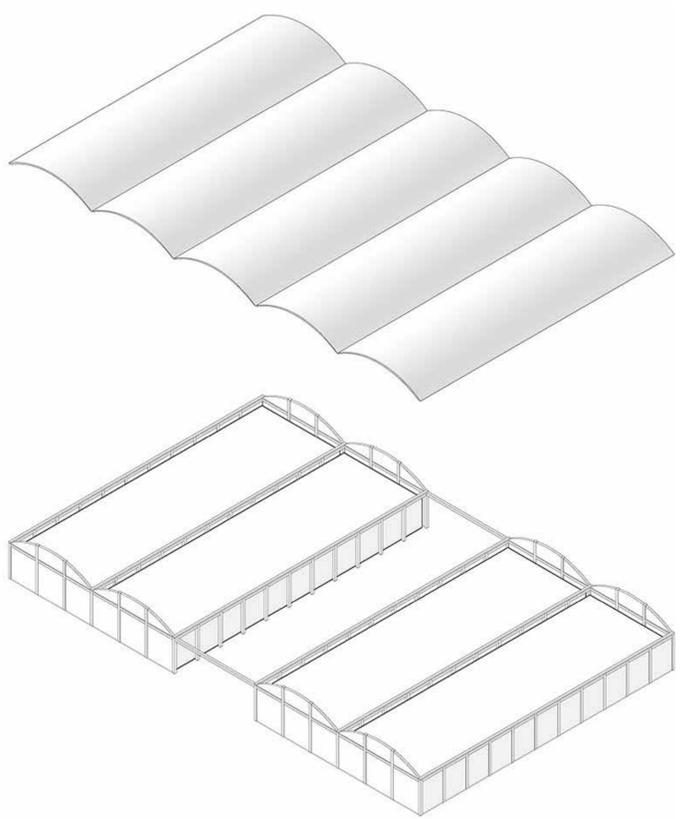


PLANIMETRIA GENERALE\_coperture capannoni O-AE e sezione territoriale longitudinale



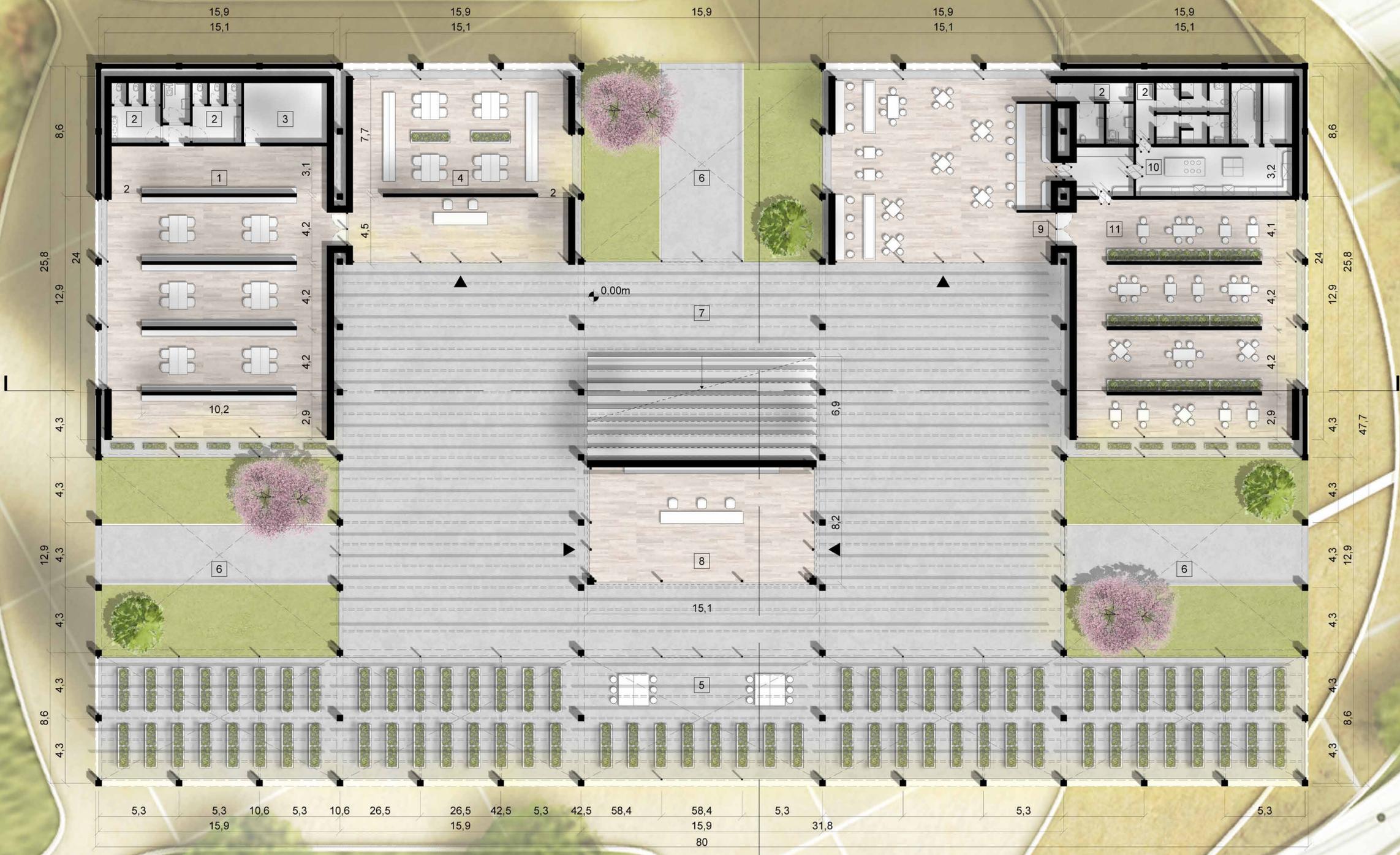








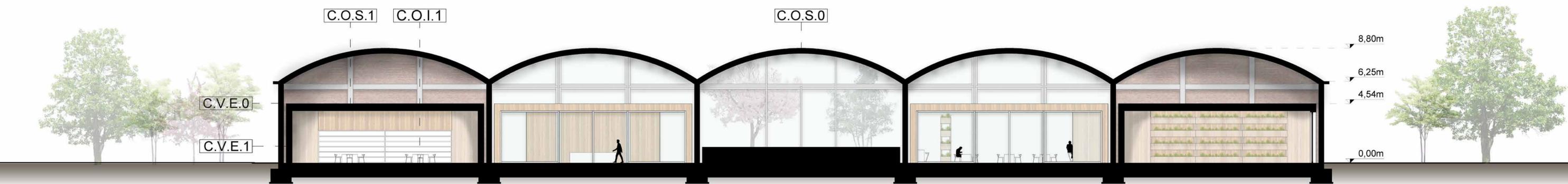
PIANTA PIANO COPERTURA



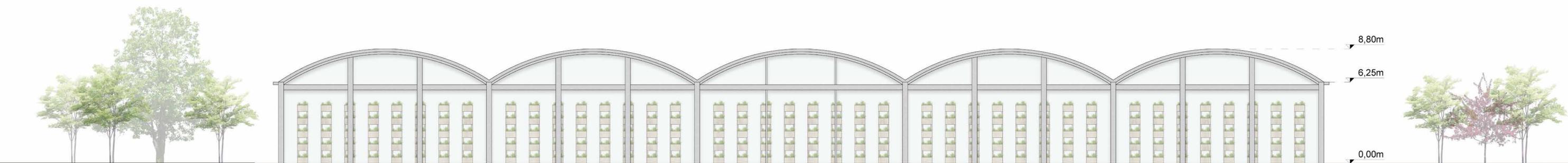
PIANTA PIANO TERRA

LEGENDA

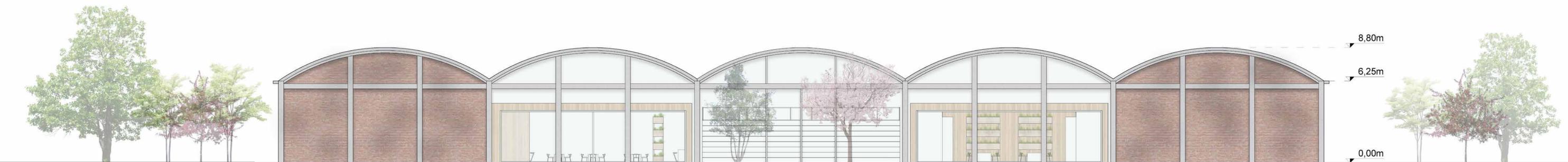
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|---------------------|----------------------|------------------------|----------------------|
| 1 BIBLIOTECA: 340mq | 4 AULA STUDIO: 111mq | 7 SPAZIO FILTRO: 980mq | 10 CUCINA: 50mq      |
| 2 SERVIZI: 71mq     | 5 SERRA: 650mq       | 8 INFO POINT: 110mq    | 11 RISTORANTE: 230mq |
| 3 MAGAZZINO: 22mq   | 6 INGRESSO: 580mq    | 9 BAR: 175mq           | TOT: 3319mq          |



SEZIONE TRASVERSALE

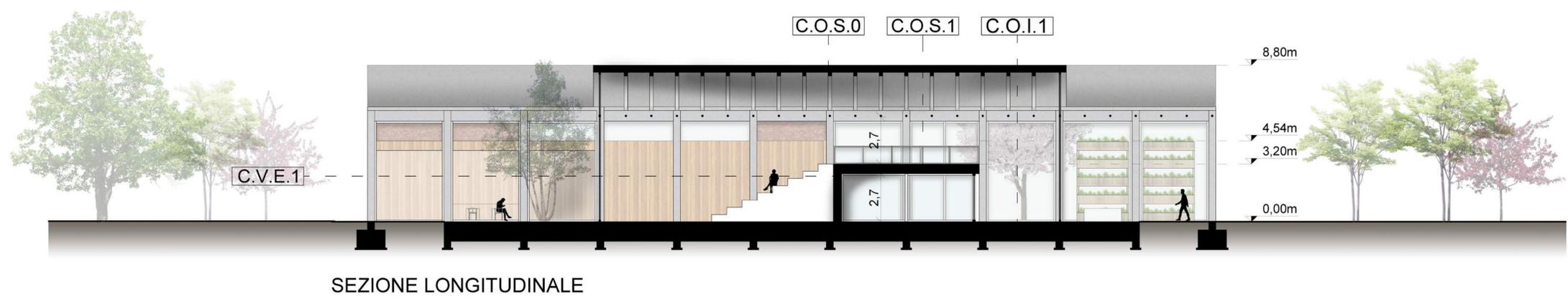


PROSPETTO SUD



PROSPETTO NORD



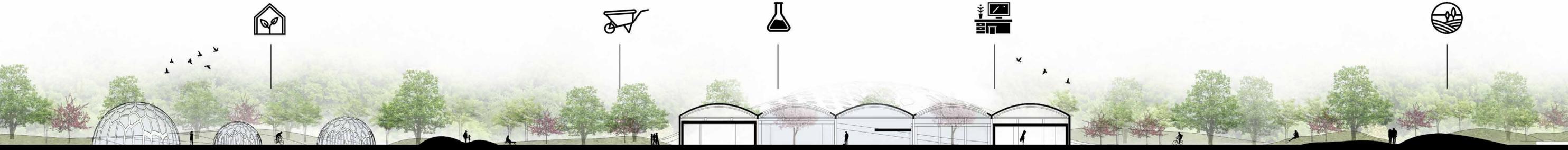




VISTA ESTERNA CAPANNONE O

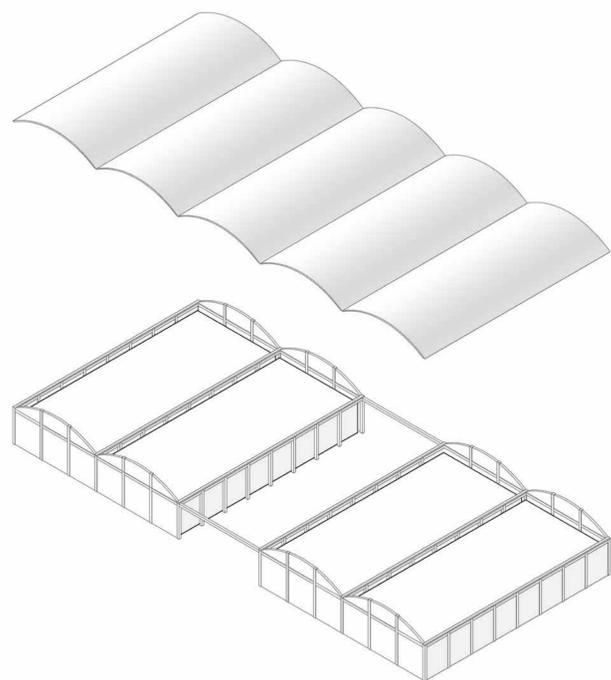
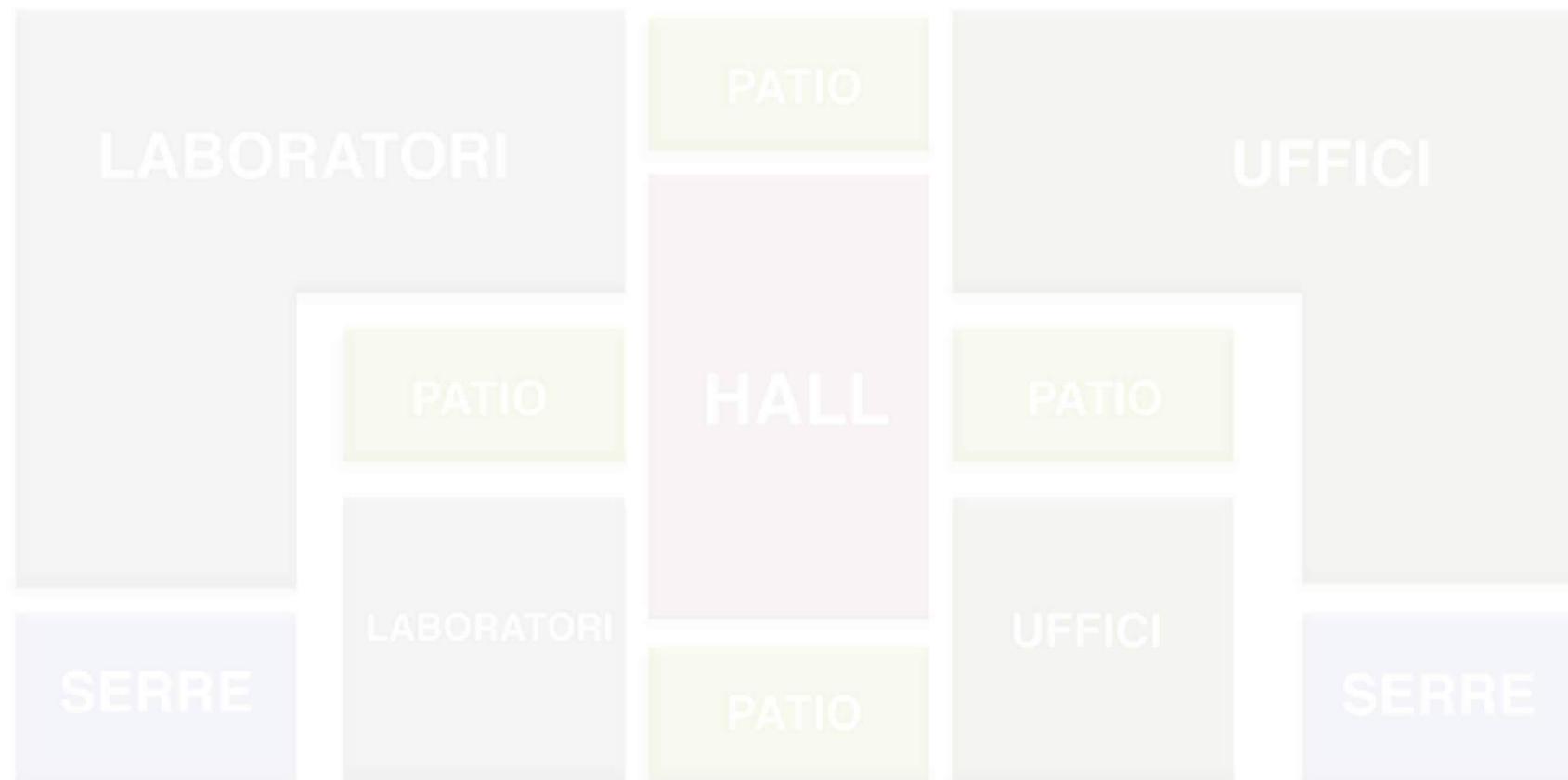


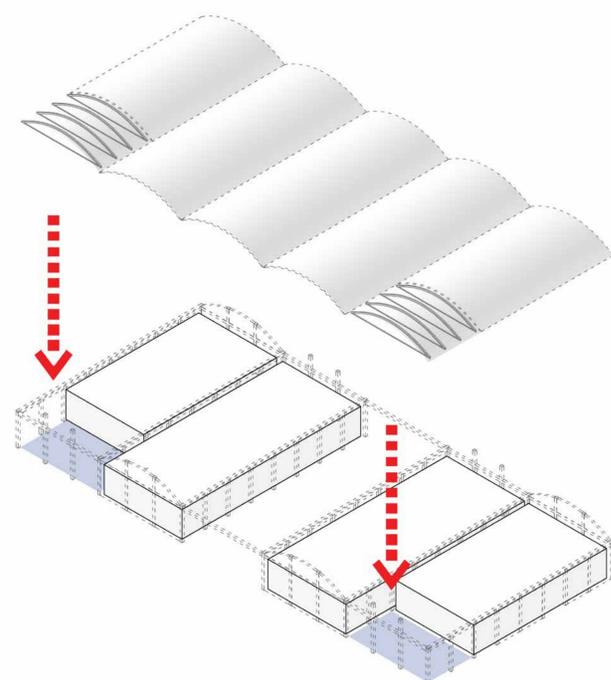
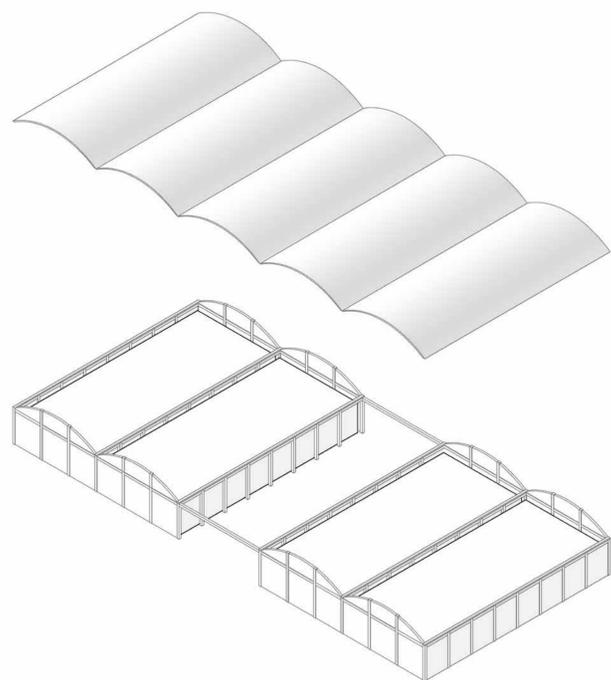
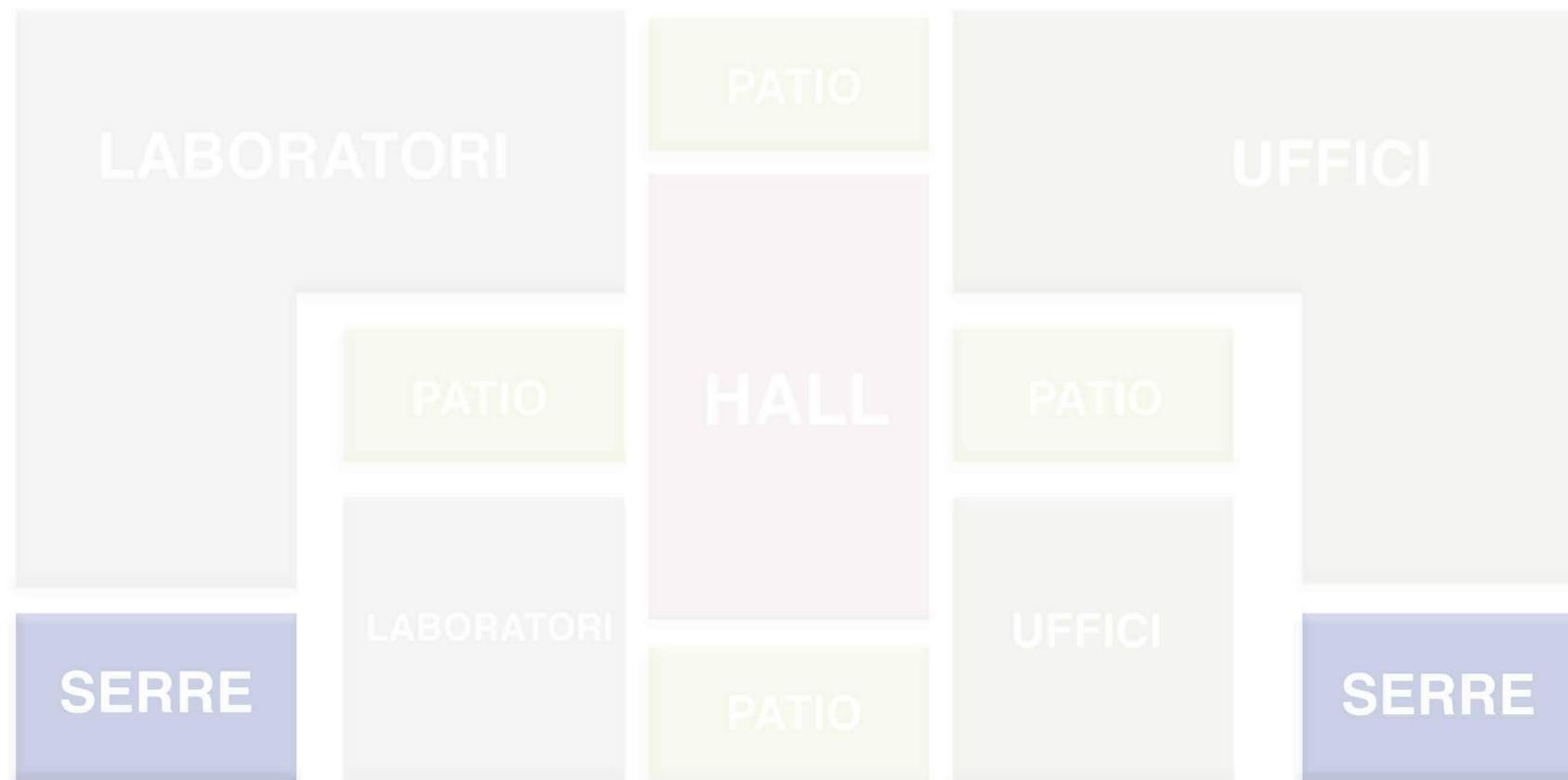
GALLIERA  
NUOVO  
CENTRO  
AGRI-TECH

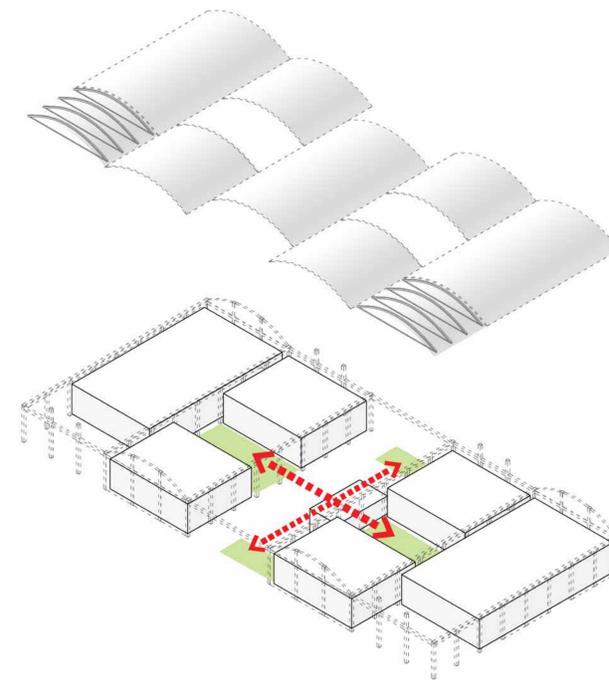
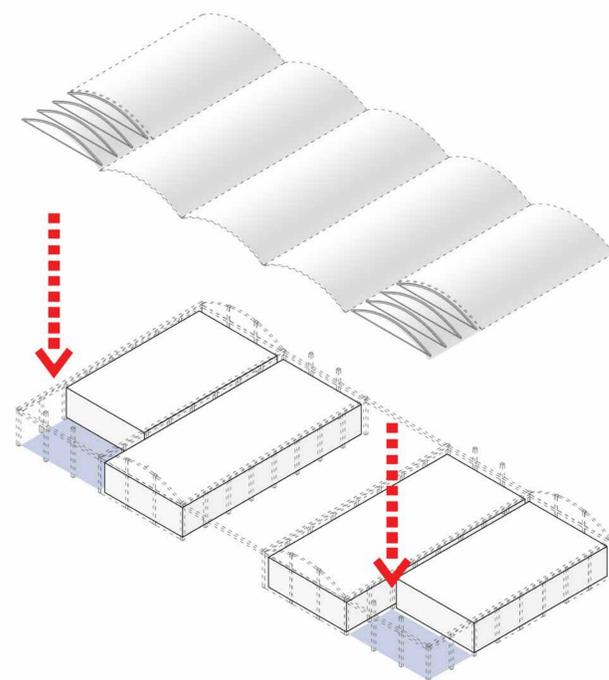
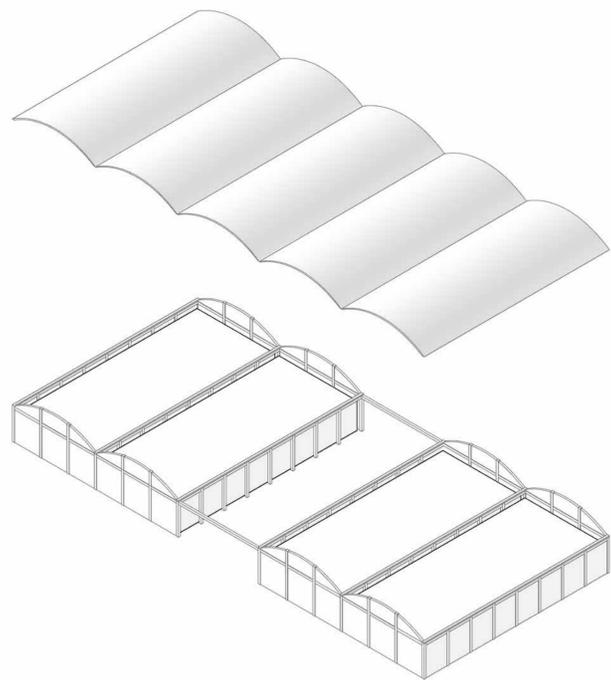
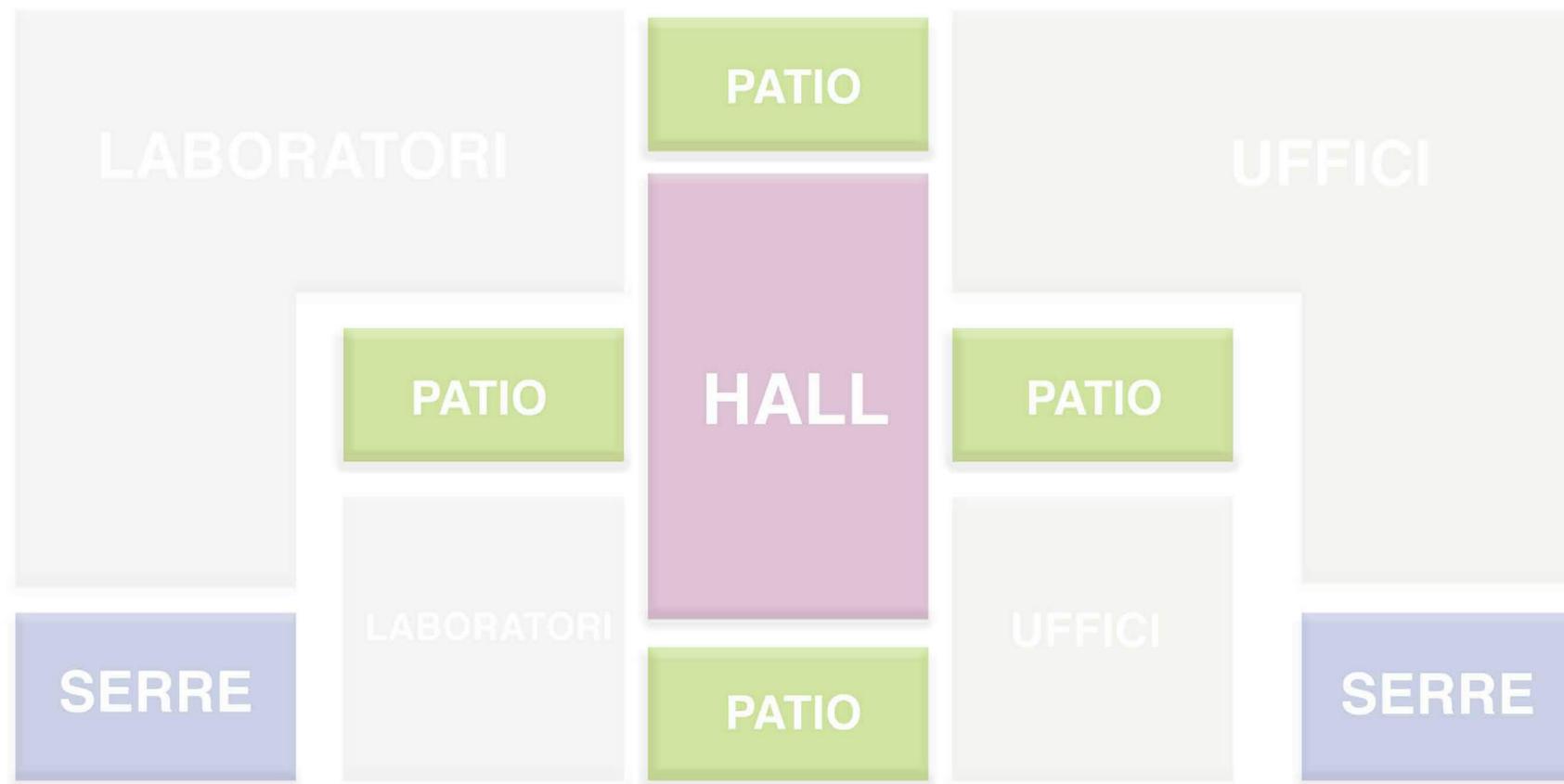


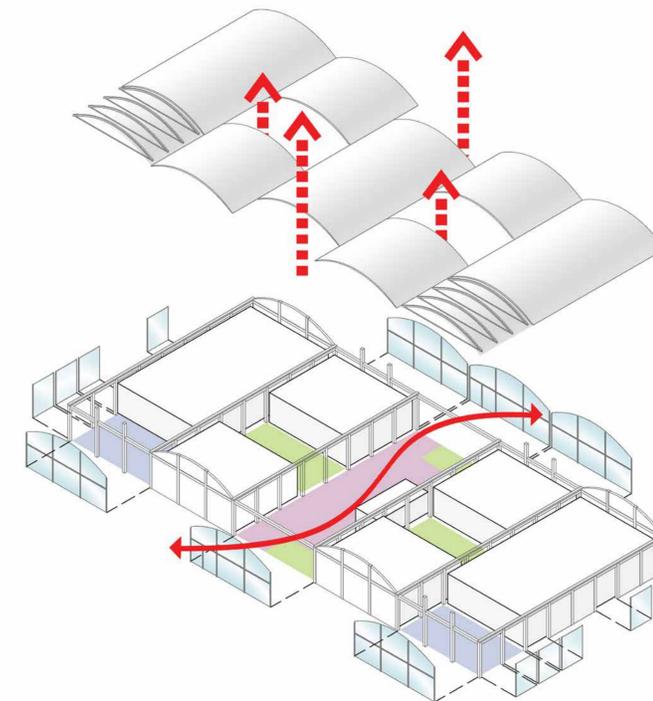
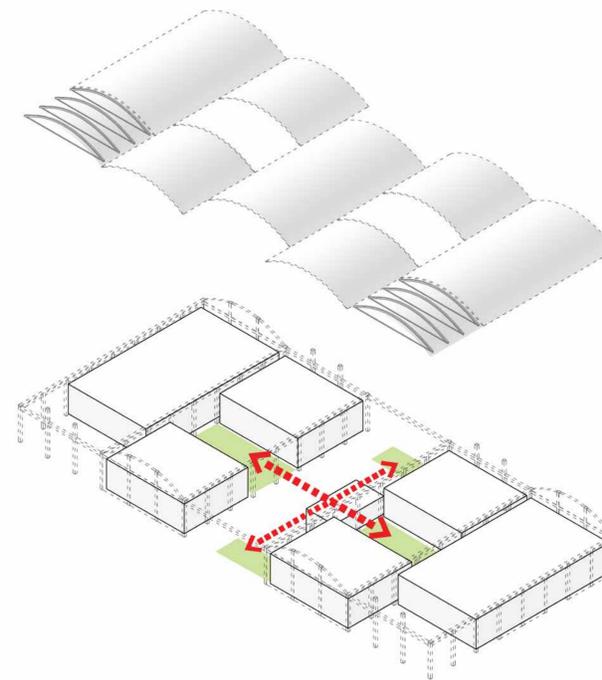
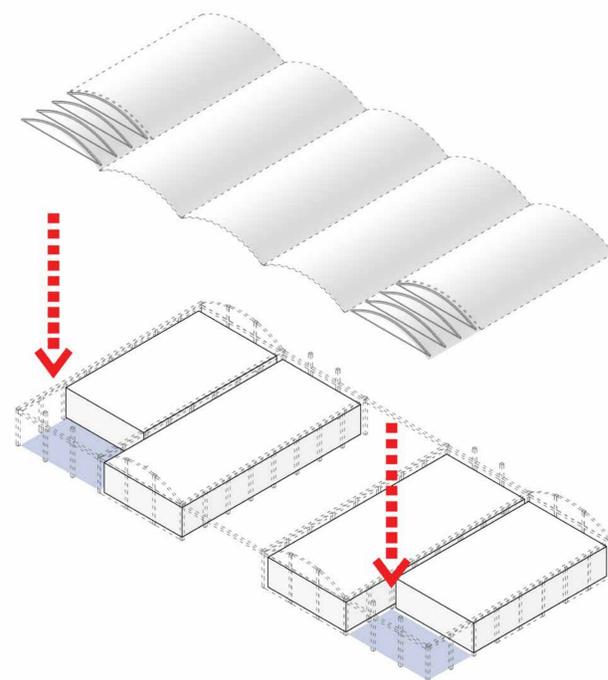
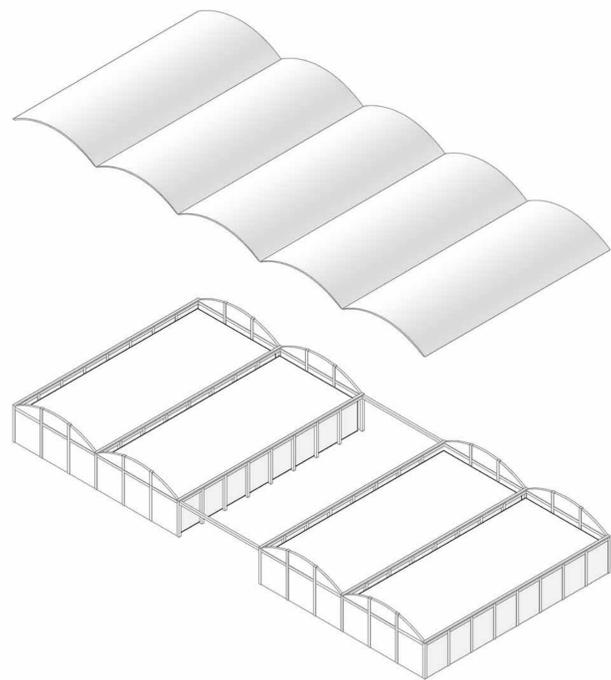
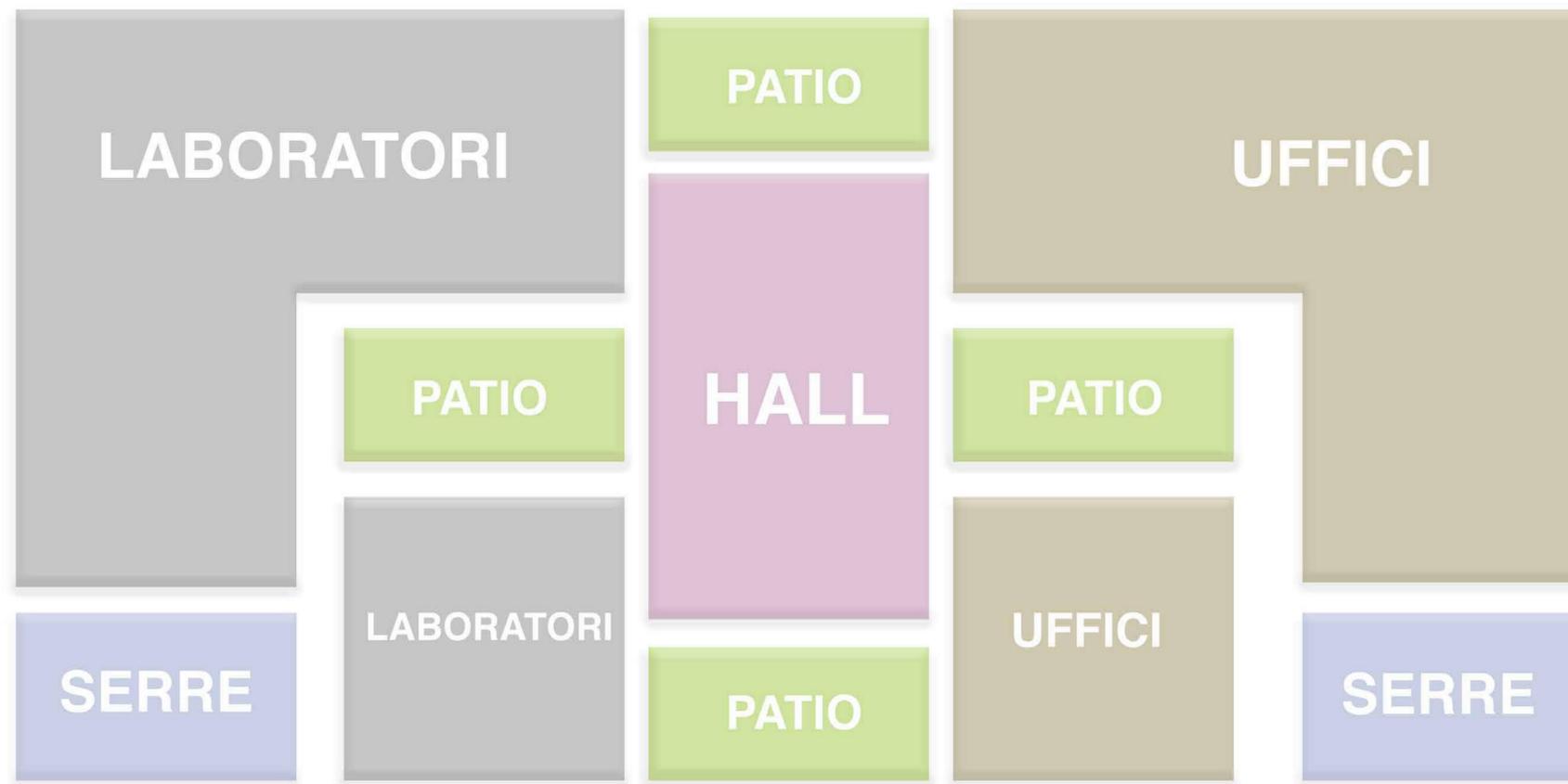
PLANIMETRIA GENERALE\_attacco a terra capannoni O-AE e sezione territoriale longitudinale

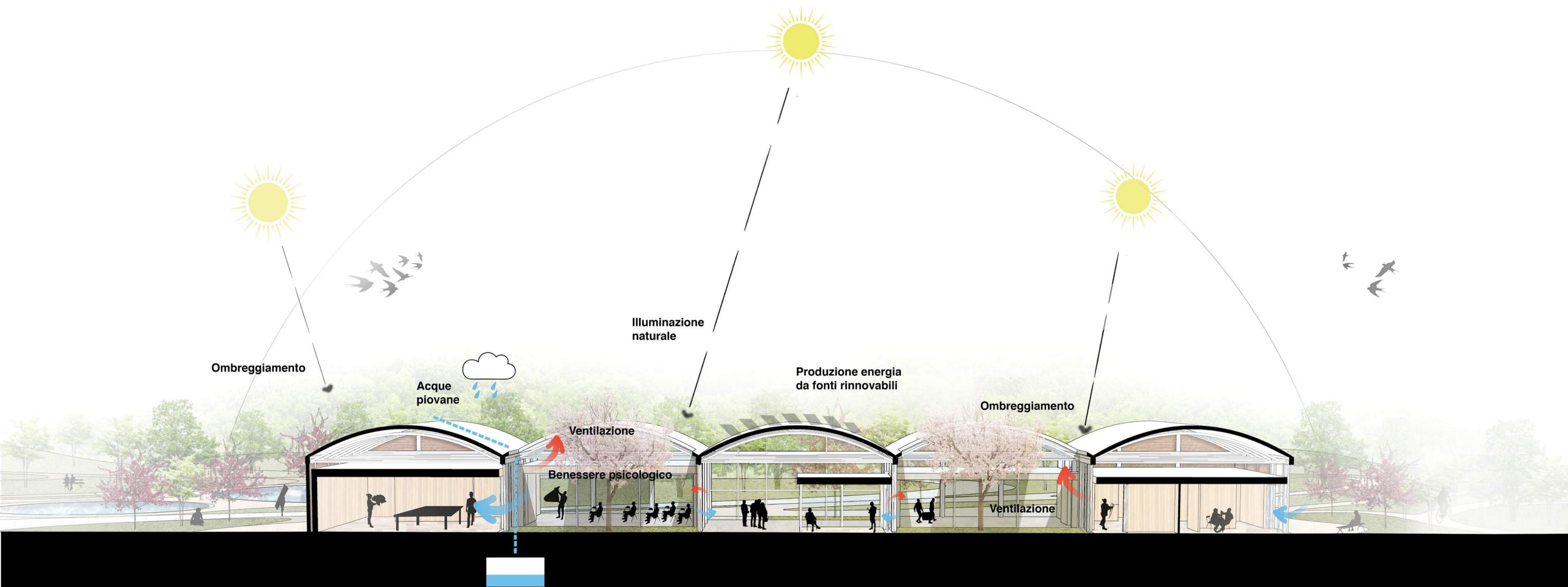
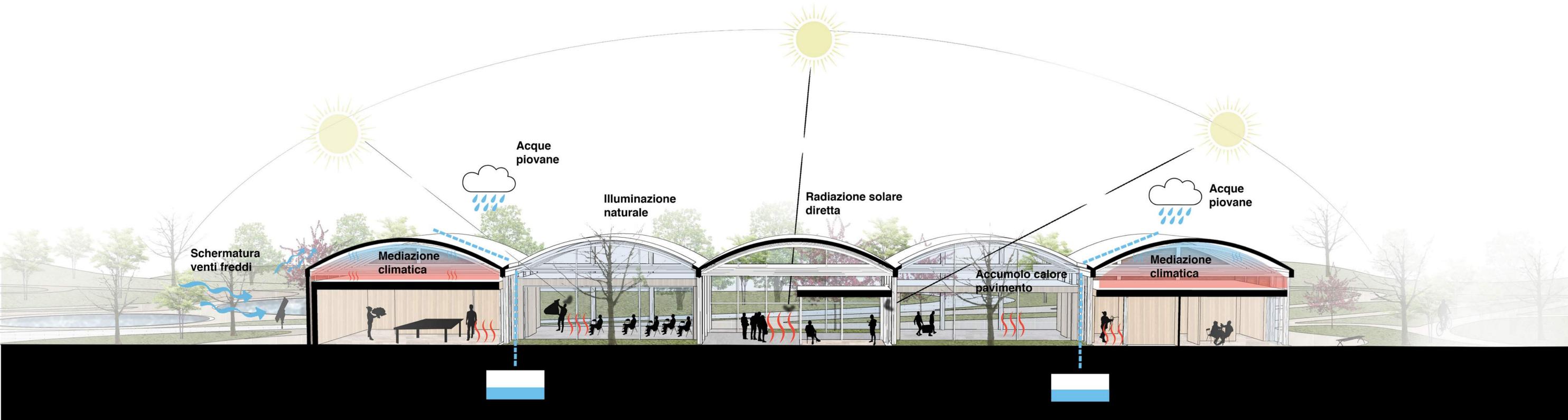


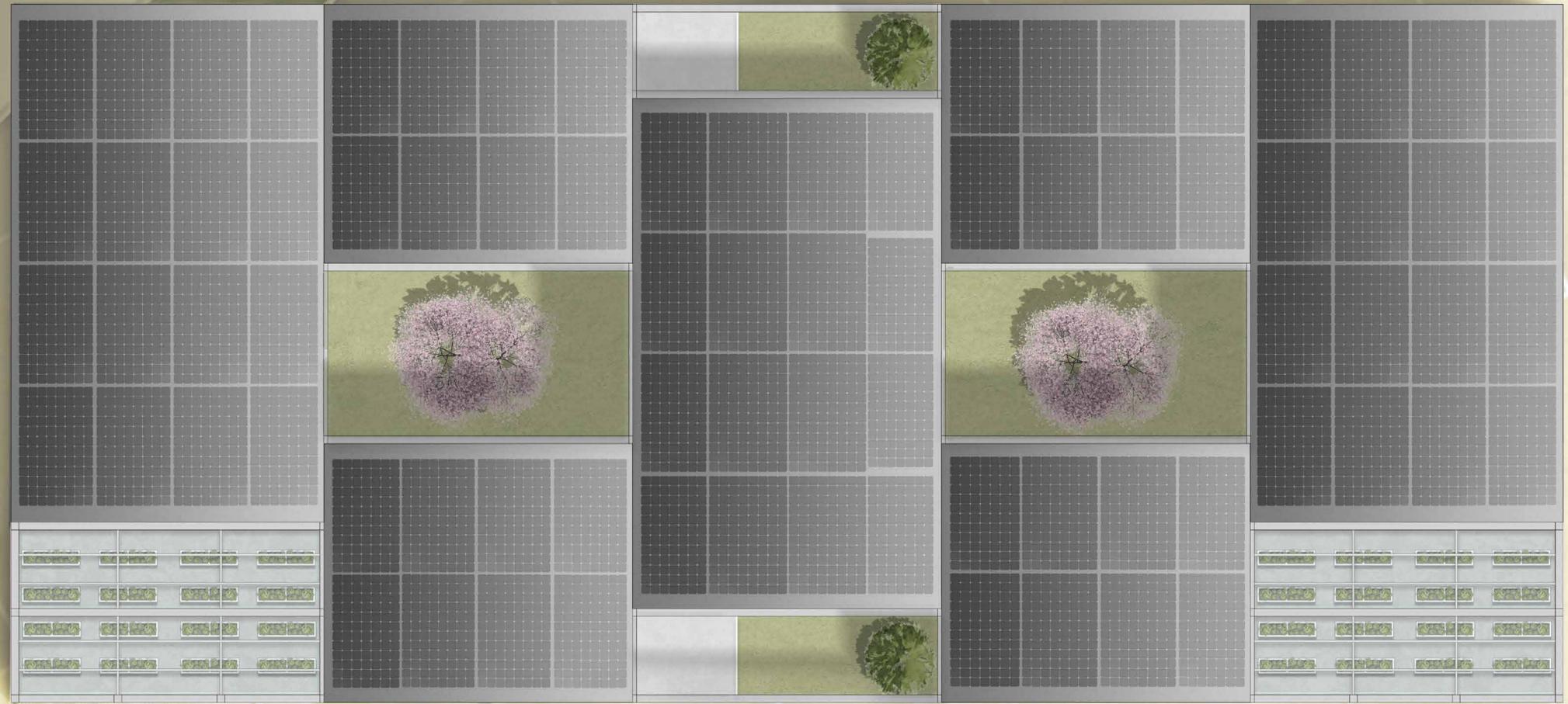












PIANTA PIANO COPERTURA



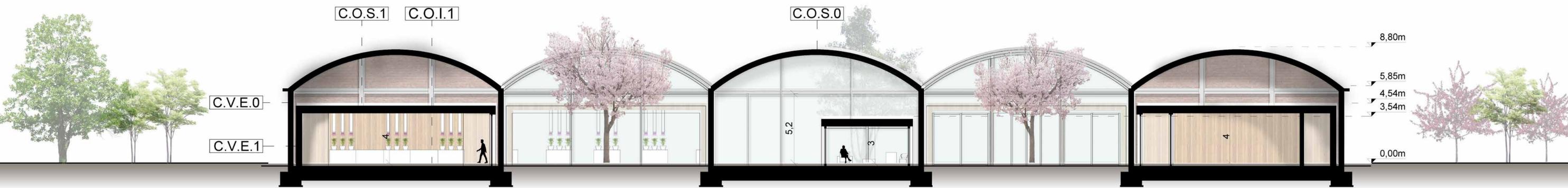
PIANTA PIANO TERRA

LEGENDA

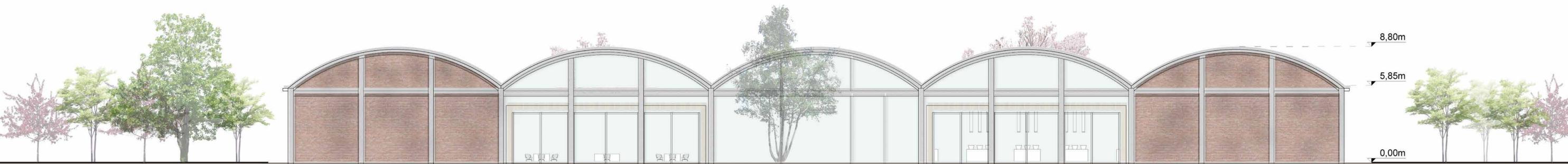
- |                      |                          |                            |
|----------------------|--------------------------|----------------------------|
| 1 LABORATORIO: 632mq | 6 INGRESSO: 140mq        | 11 UFFICIO DIRETTORE: 30mq |
| 2 SERVIZI: 75mq      | 7 SPAZIO FILTRO: 353mq   | 12 CO-WORKING: 49mq        |
| 3 MAGAZZINO: 34mq    | 8 FRONT OFFICE: 60mq     | 13 BREAK ROOM: 51mq        |
| 4 PATIO: 265mq       | 9 UFFICIO: 405mq         | TOT: 2440mq                |
| 5 SERRA: 265mq       | 10 SALA CONFERENZE: 80mq | disponibile: 2780mq        |



PIANTA PIANO TERRA



SEZIONE TRASVERSALE



PROSPETTO NORD



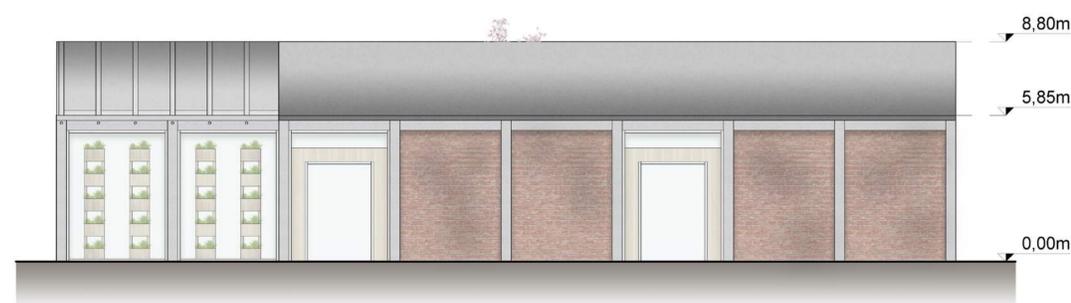
PROSPETTO SUD



PIANTA PIANO TERRA



SEZIONE LONGITUDINALE



PROSPETTO EST



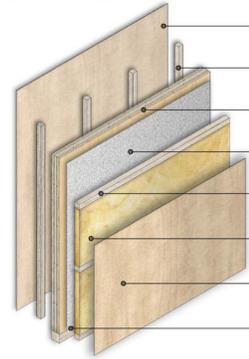
PROSPETTO OVEST



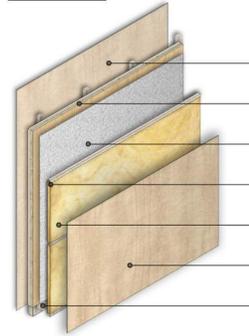
VISTA ESTERNA CAPANNONE AE



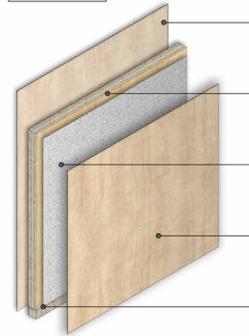
VISTA INTERNA CAPANNONE AE

**C.V.E.1**

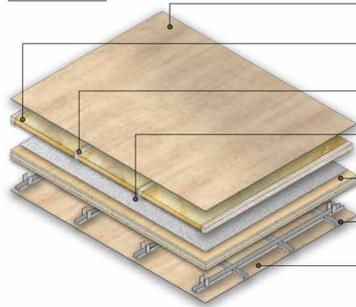
- 1\_rivestimento ligneo: 1,2cm
- 2\_montante ligneo verticale: 10x10cm
- 3\_X-LAM 5 strati: 20cm
- 4\_impermeabilizzazione: 0,04cm
- 5\_montante ligneo orizzontale: 12x10cm
- 6\_isolamento termico in lana di roccia: 12cm
- 7\_rivestimento ligneo: 1,2cm
- 8\_rialzo ligneo a fibre orizzontali: 10cm
- TOT: 44,44cm

**P.V.I.1**

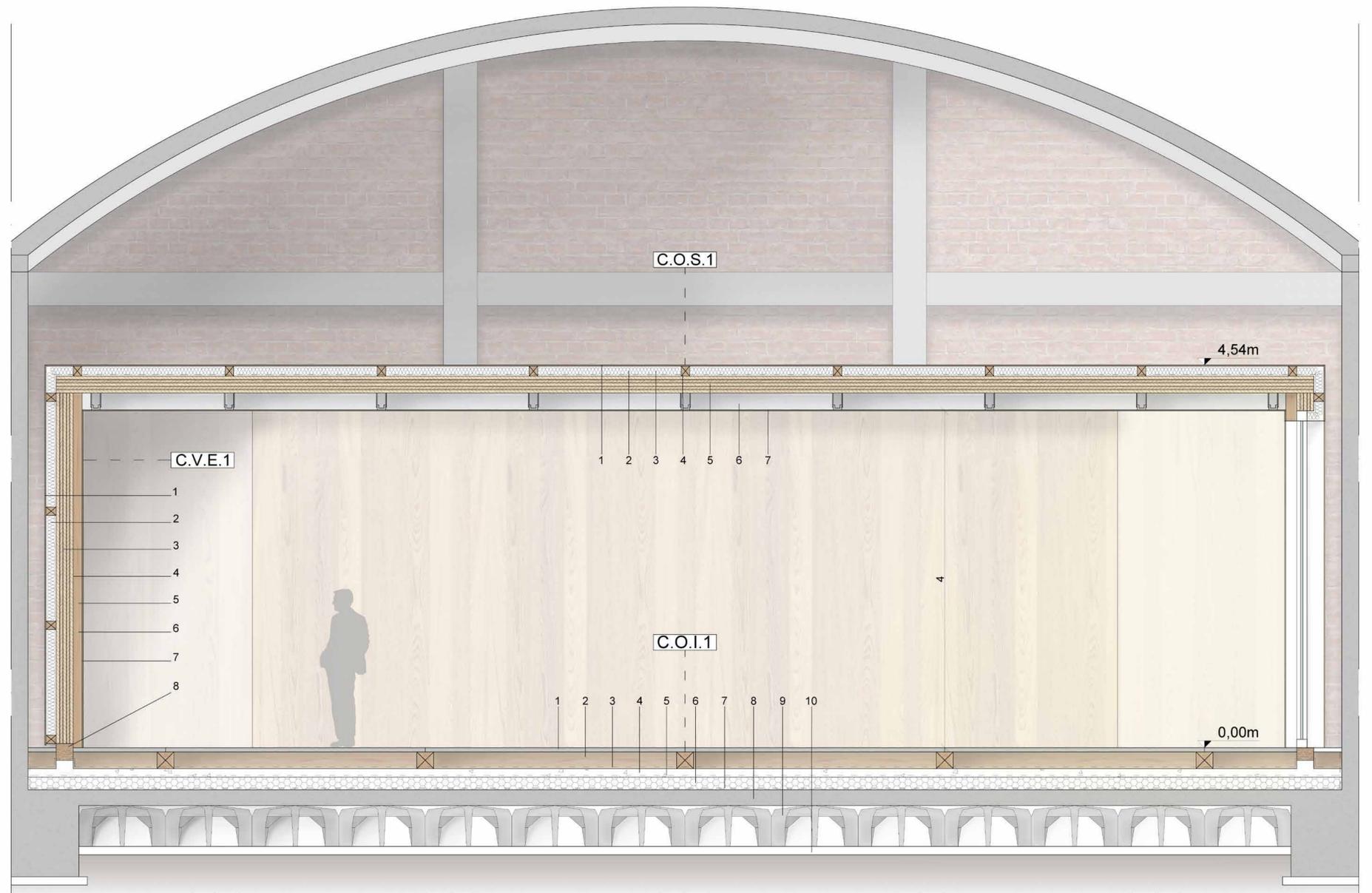
- 1\_rivestimento ligneo: 1,2cm
- 2\_X-LAM 3 strati: 6cm
- 3\_impermeabilizzazione: 0,04cm
- 4\_montante ligneo orizzontale: 6x6cm
- 5\_isolamento termico in lana di roccia: 6cm
- 6\_rivestimento ligneo: 1,2cm
- 8\_rialzo ligneo a fibre orizzontali: 10cm
- TOT: 14,44cm

**P.V.I.2**

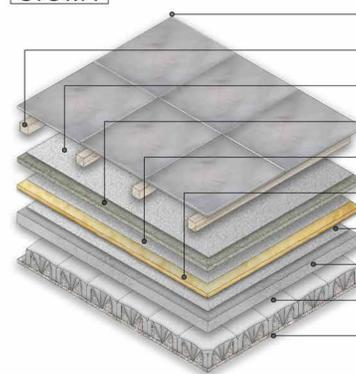
- 1\_rivestimento ligneo: 1,2cm
- 2\_X-LAM 5 strati: 20cm
- 3\_impermeabilizzazione: 0,04cm
- 4\_rivestimento ligneo: 1,2cm
- 8\_rialzo ligneo a fibre orizzontali: 10cm
- TOT: 14,44cm

**C.O.S.1**

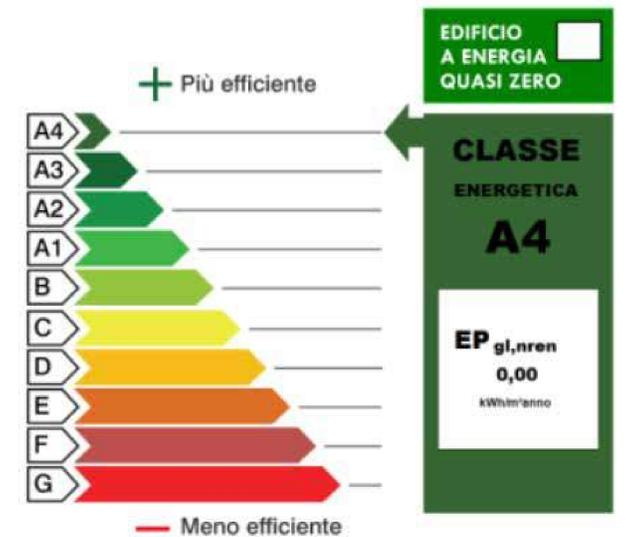
- 1\_rivestimento ligneo: 1,2cm
- 2\_isolamento termico: 12cm
- 3\_montante ligneo: 12x10cm
- 4\_impermeabilizzazione: 0,04cm
- 5\_X-LAM 5 strati: 20cm
- 6\_telaio controsoffitto: 20cm
- 7\_rivestimento ligneo: 1,2cm
- TOT: 54,44cm

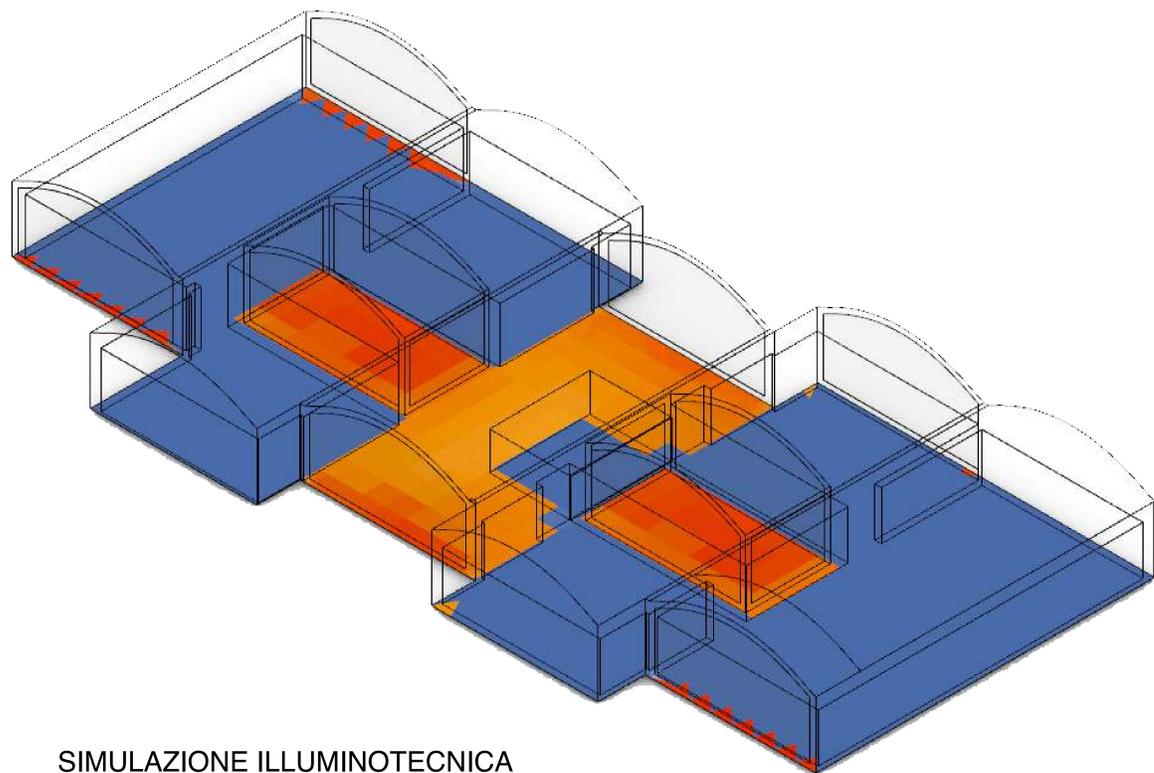


**SEZIONE CAMPATA TIPO**  
Scala 1:20

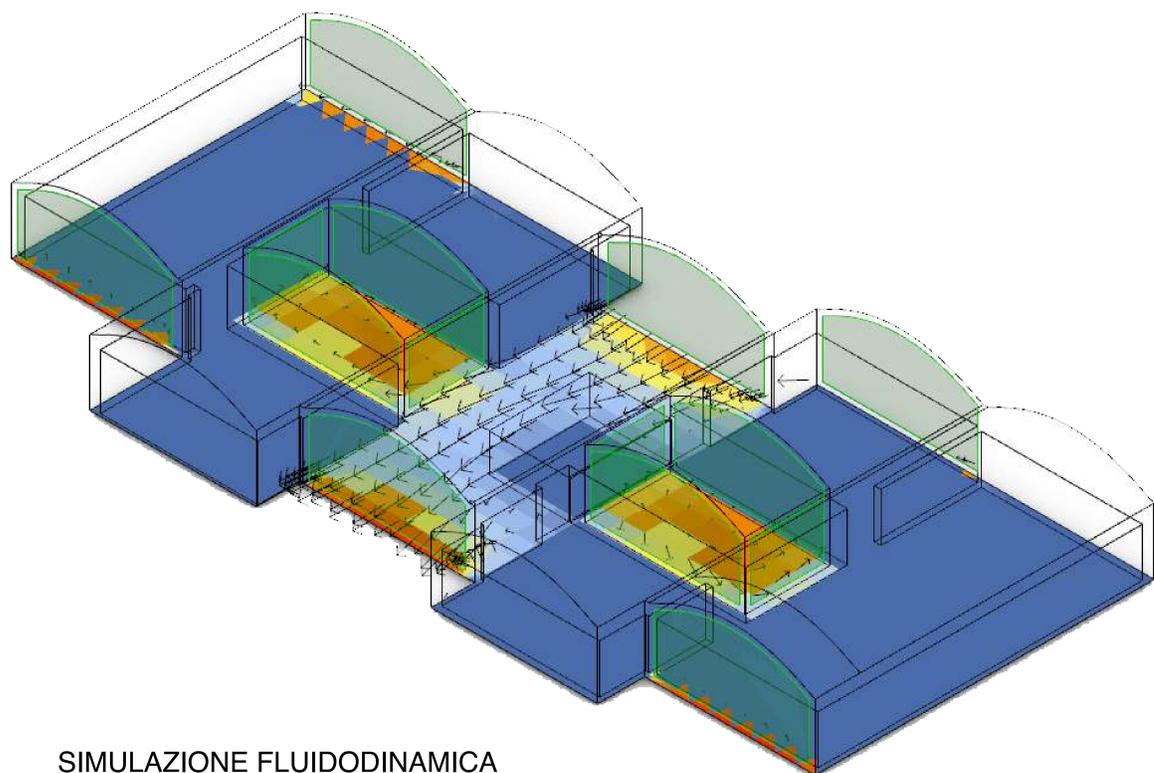
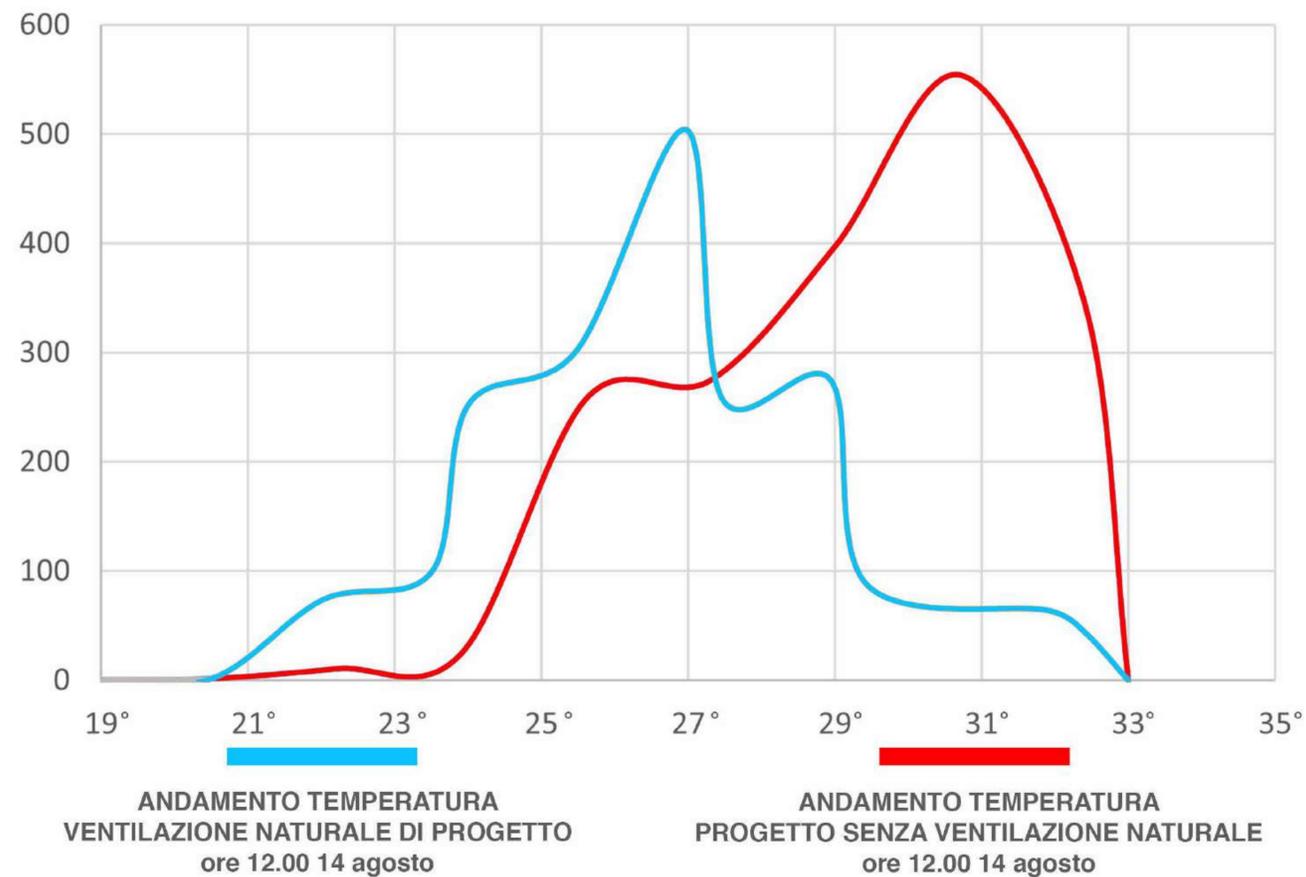
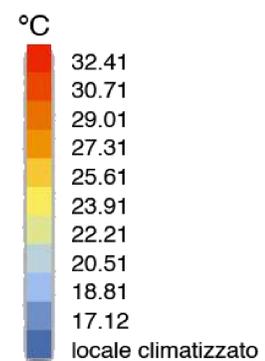
**C.O.I.1**

- 1\_pavimentazione in lastre di microcemento: 5cm
- 2\_montante ligneo orizzontale: 20x20cm
- 3\_impermeabilizzazione: 0,04cm
- 4\_massetto alleggerito: 10cm
- 5\_impermeabilizzazione: 0,04cm
- 6\_isolamento termico in lana di vetro: 10cm
- 7\_impermeabilizzazione: 0,04cm
- 8\_calcestruzzo: 20cm
- 9\_ventilazione: 35cm
- 10\_magrone: 10cm
- TOT: 110,12cm

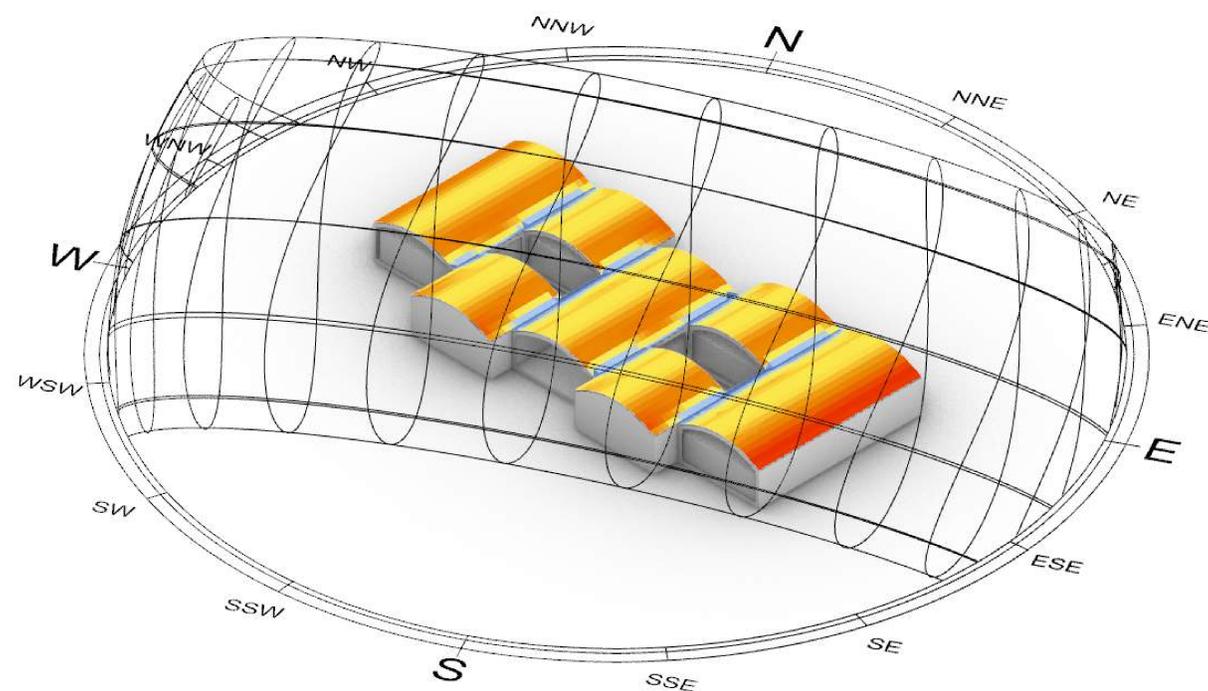
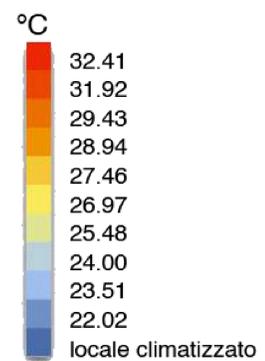




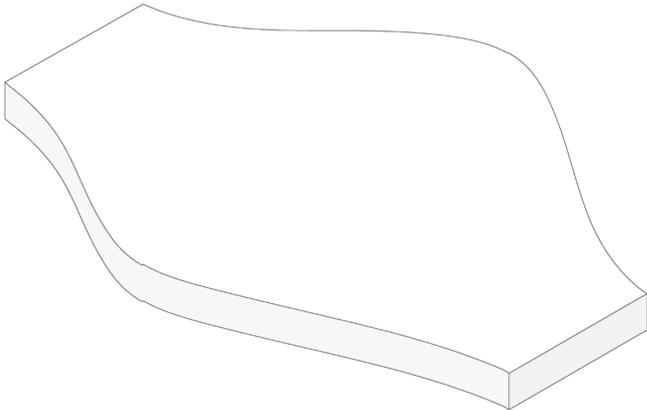
SIMULAZIONE ILLUMINOTECNICA

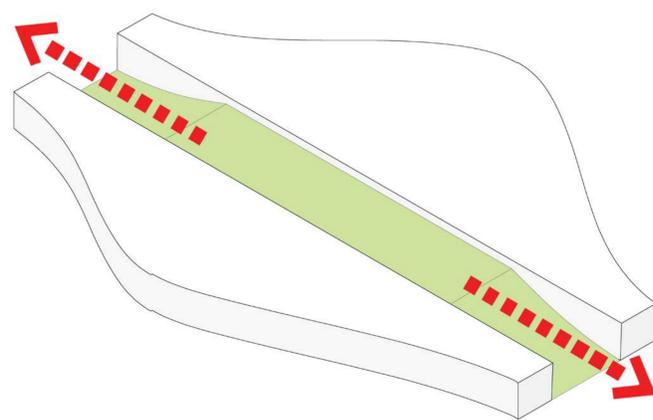
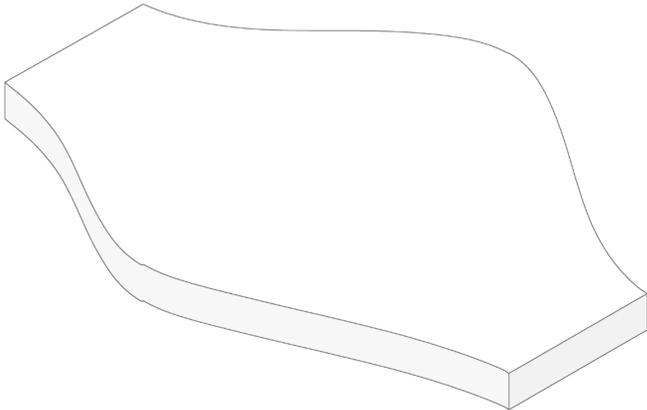


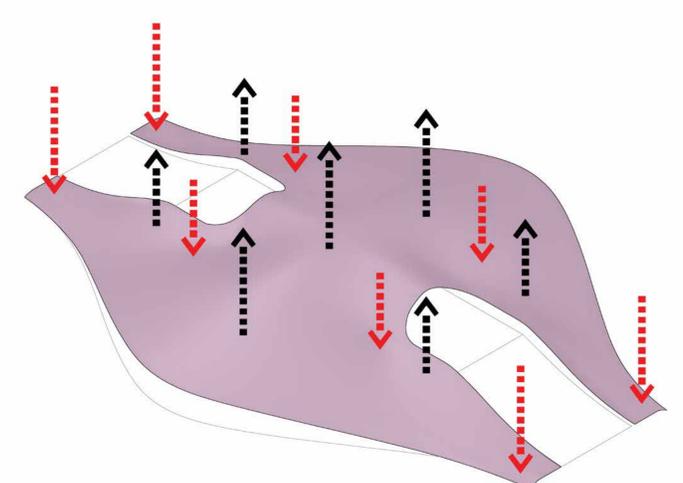
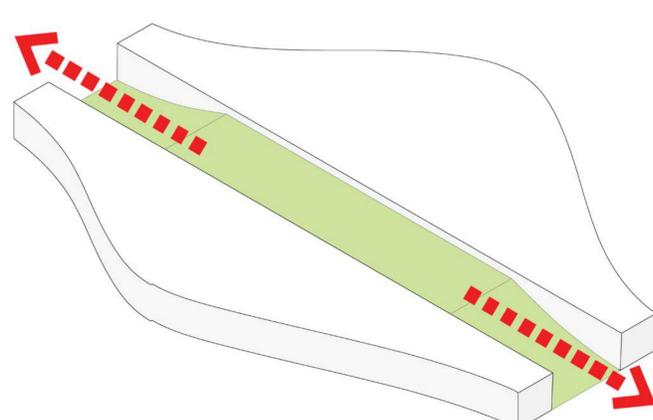
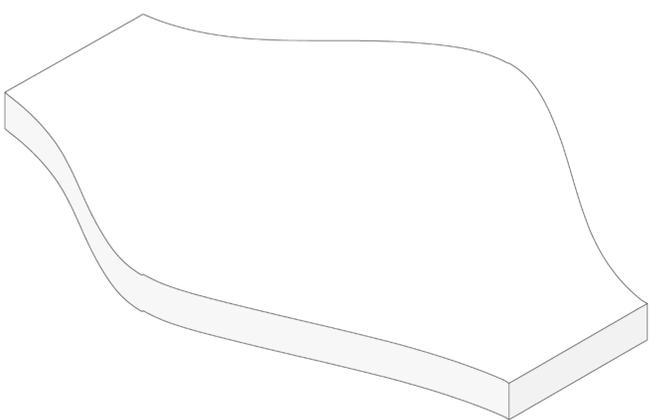
SIMULAZIONE FLUIDODINAMICA

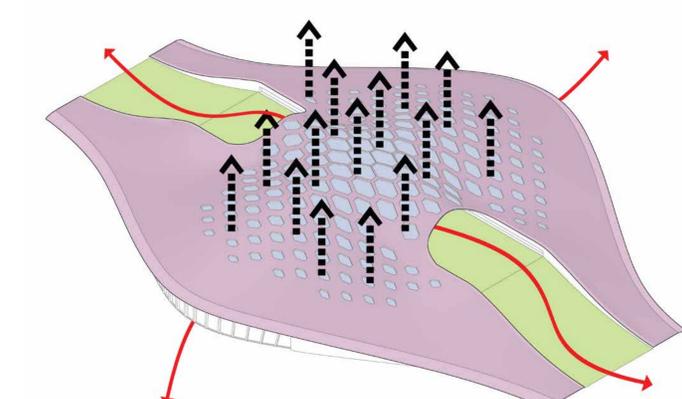
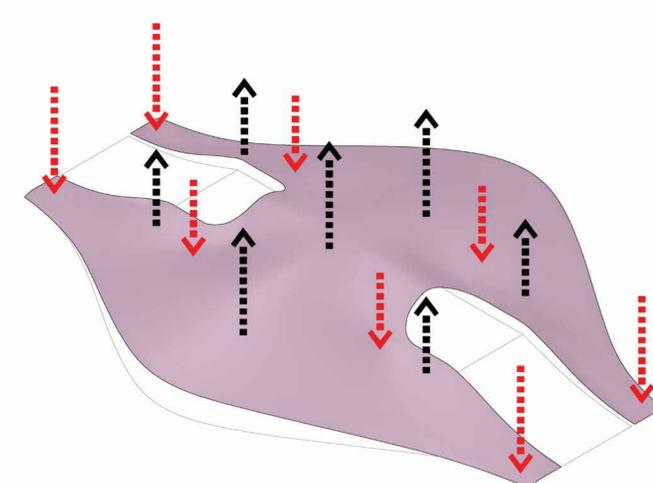
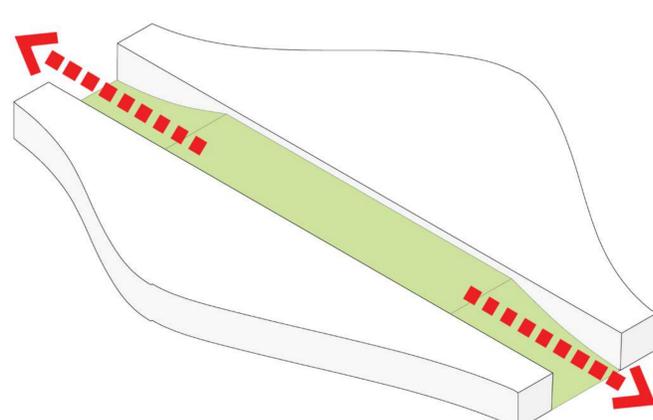
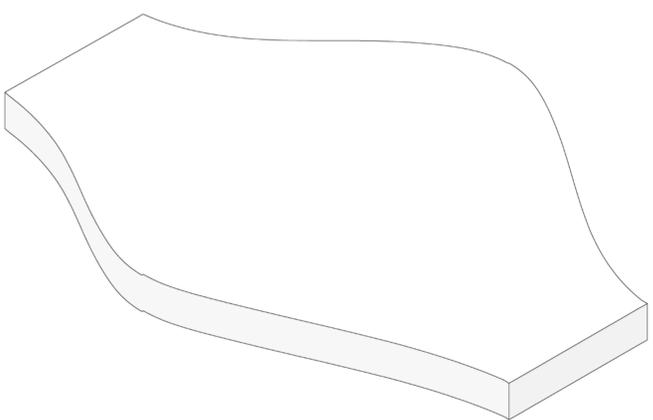


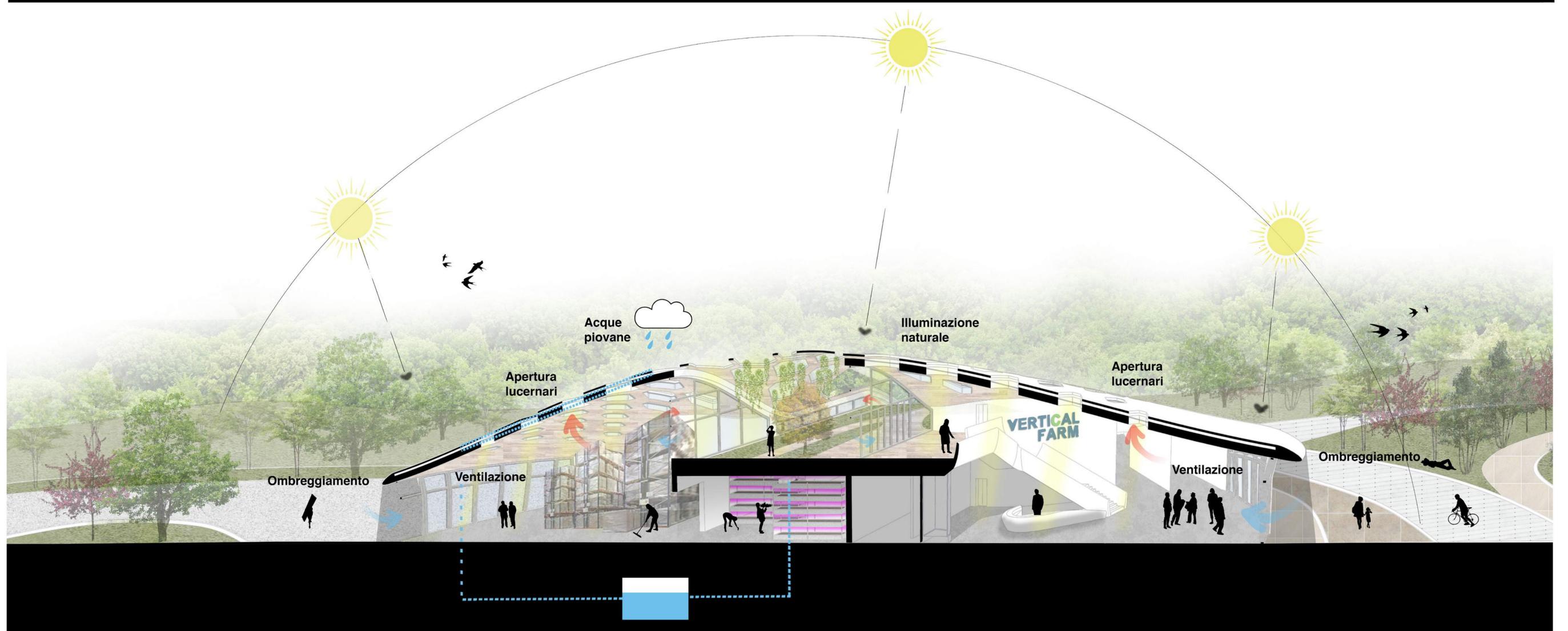
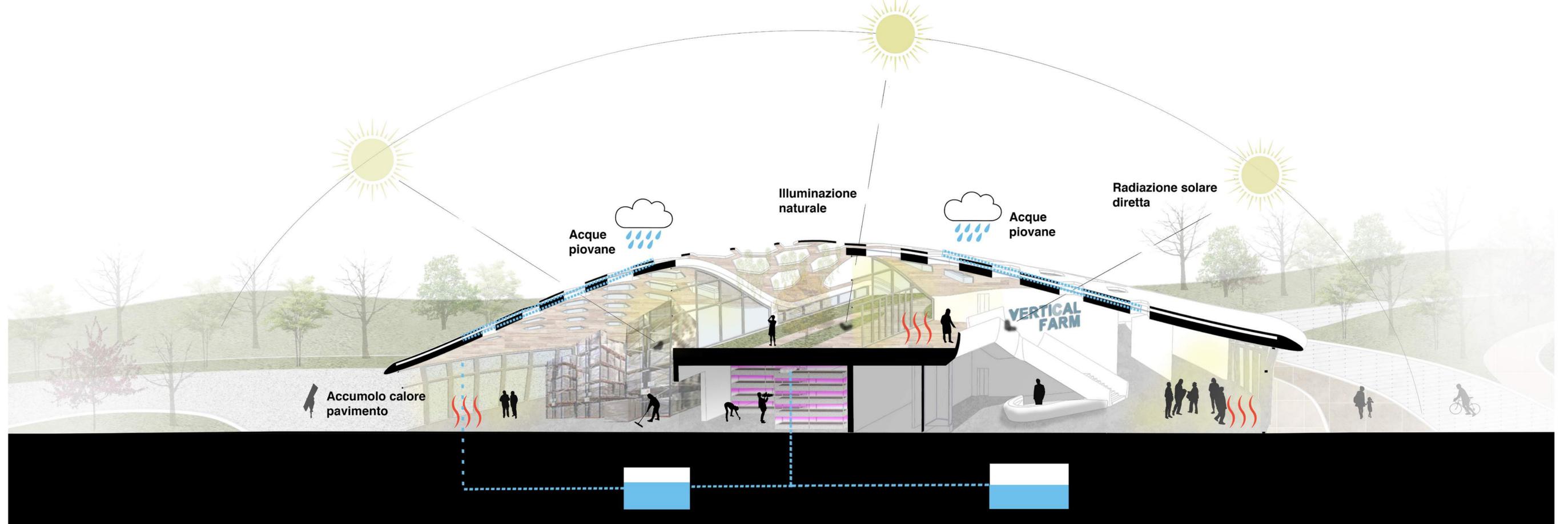
RADIAZIONE SOLARE INCIDENTE SULLA COPERTURA

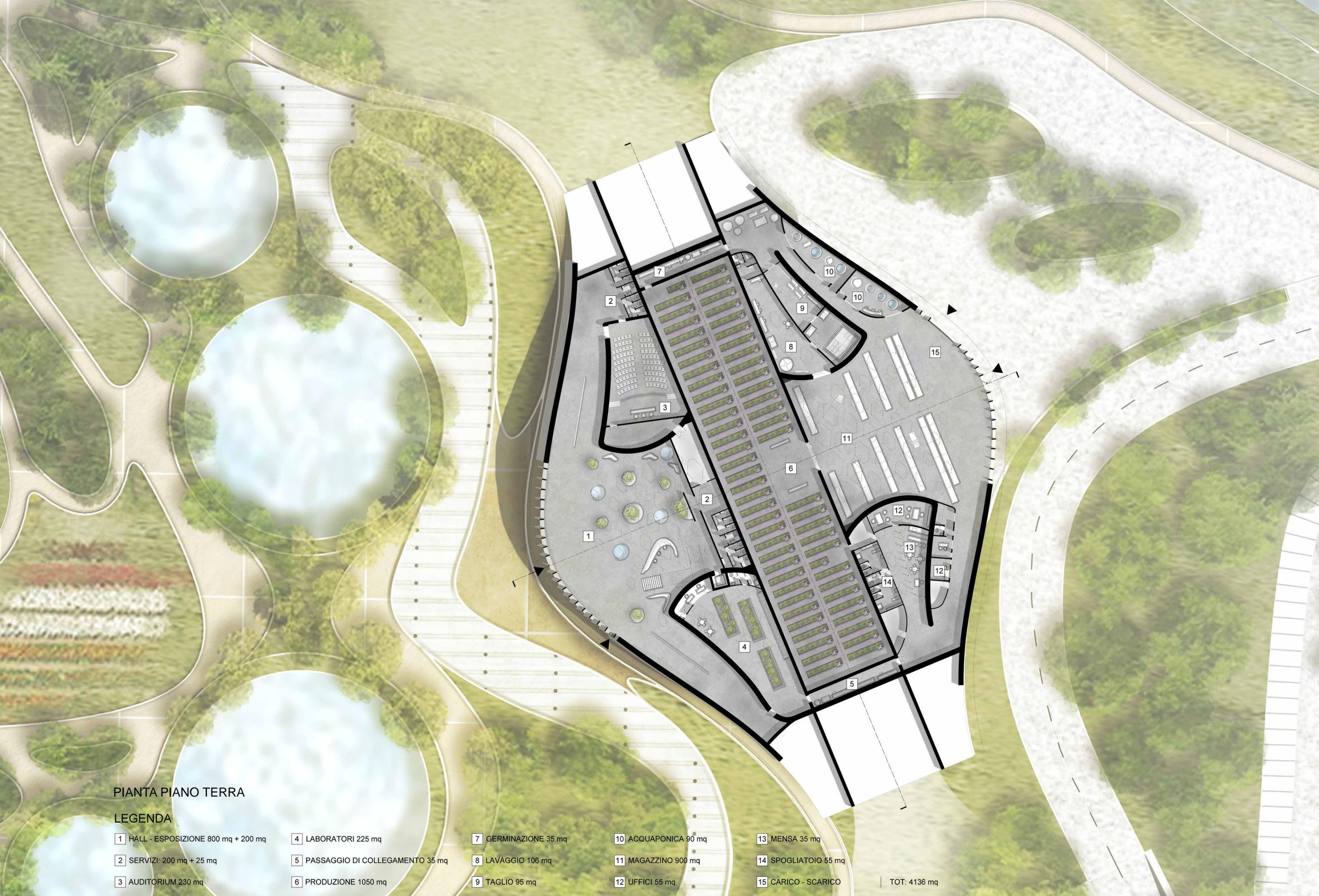












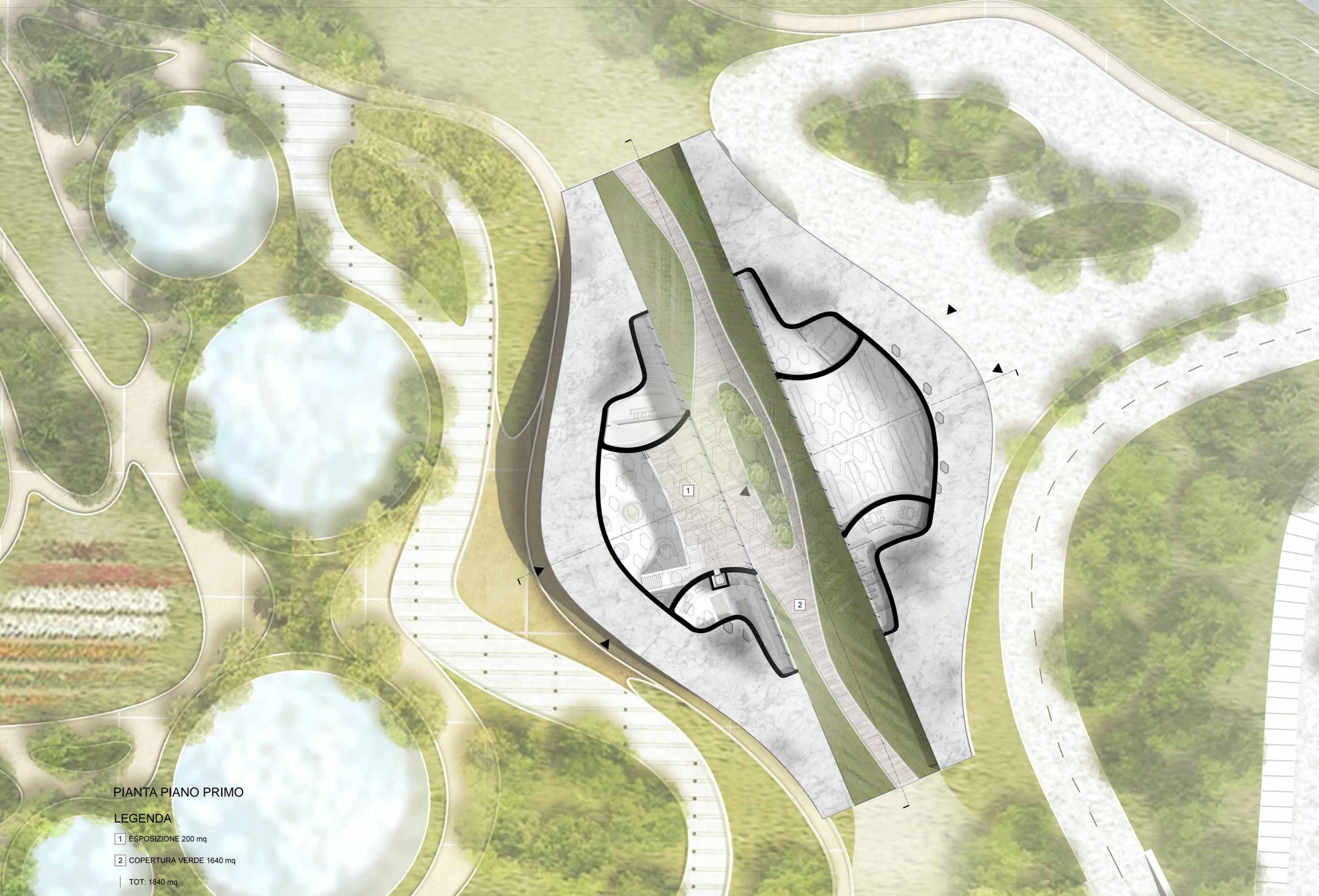
PIANTA PIANO TERRA

LEGENDA

- |                                      |                                   |                      |                      |                      |
|--------------------------------------|-----------------------------------|----------------------|----------------------|----------------------|
| 1 HALL - ESPOSIZIONE 800 mq + 200 mq | 4 LABORATORI 225 mq               | 7 GERMINAZIONE 35 mq | 10 ACQUAPONICA 90 mq | 13 MENSA 35 mq       |
| 2 SERVIZI: 200 mq + 25 mq            | 5 PASSAGGIO DI COLLEGAMENTO 35 mq | 8 LAVAGGIO 106 mq    | 11 MAGAZZINO 900 mq  | 14 SPOGLIATOIO 55 mq |
| 3 AUDITORIUM 230 mq                  | 6 PRODUZIONE 1050 mq              | 9 TAGLIO 95 mq       | 12 UFFICI 55 mq      | 15 CARICO - SCARICO  |

TOT: 4136 mq

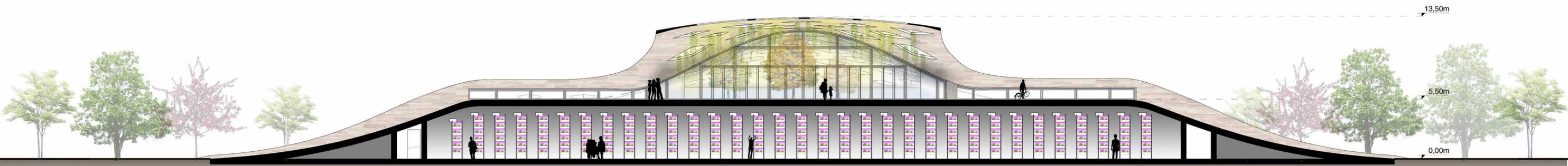
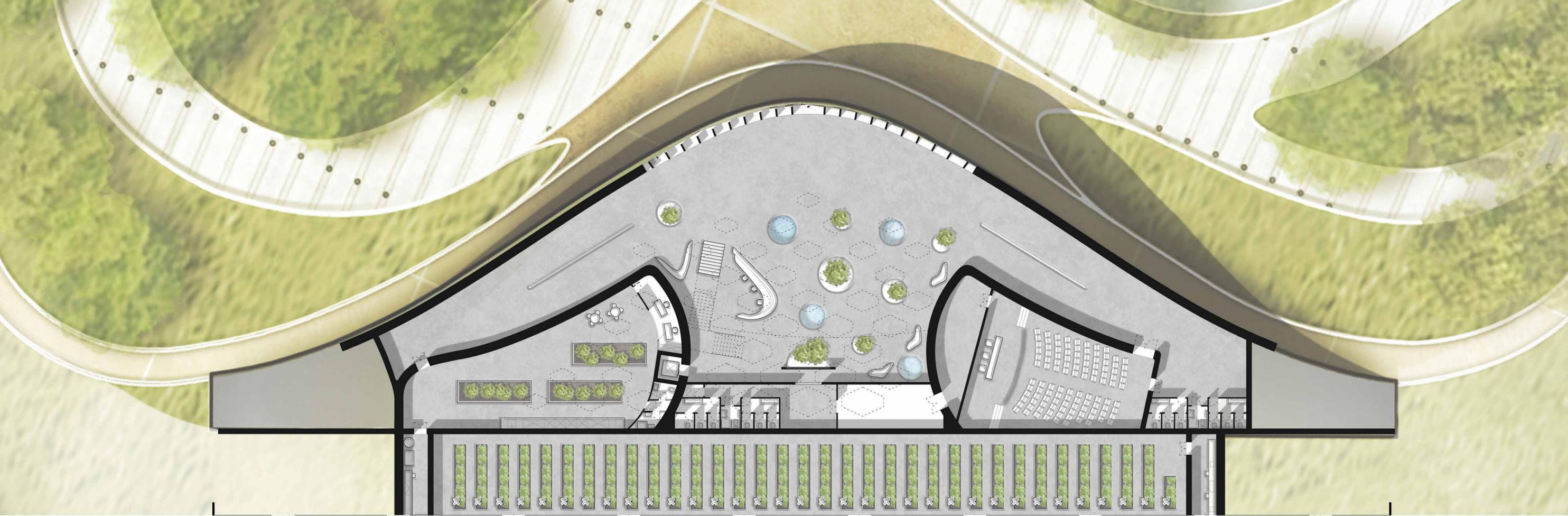




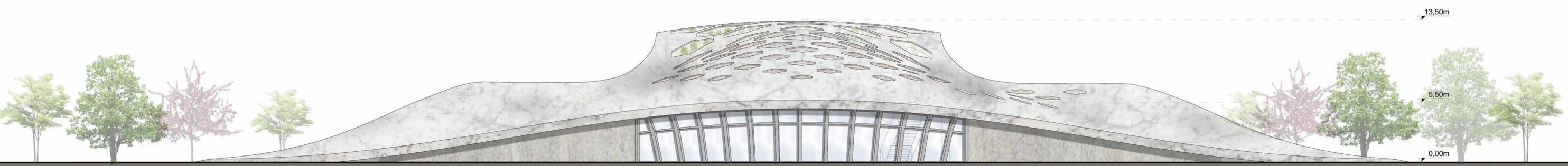
PIANTA PIANO PRIMO

LEGENDA

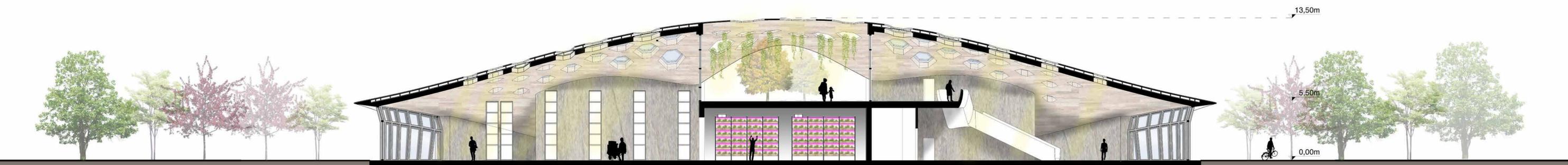
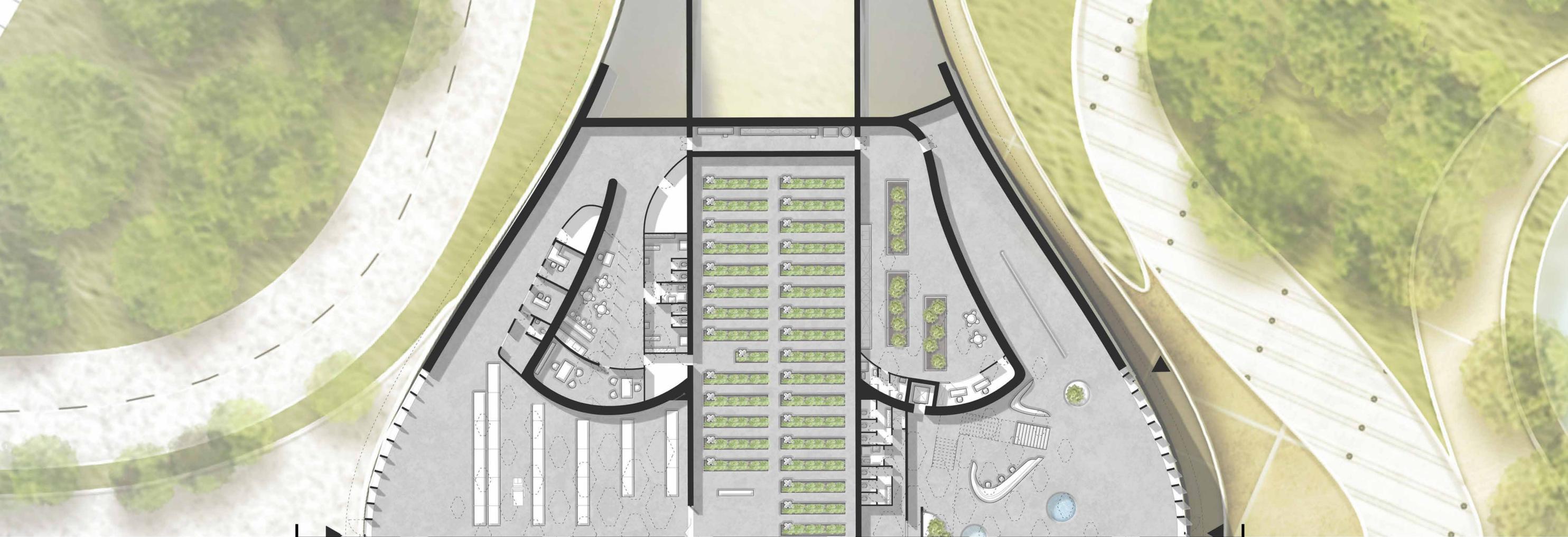
- 1 ESPOSIZIONE 200 mq
- 2 COPERTURA VERDE 1640 mq
- TOT: 1840 mq



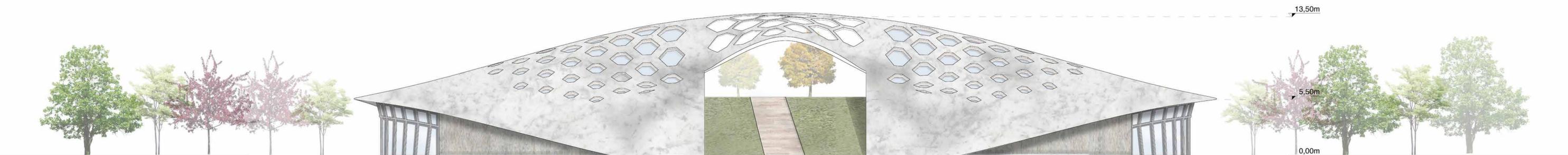
SEZIONE LONGITUDINALE



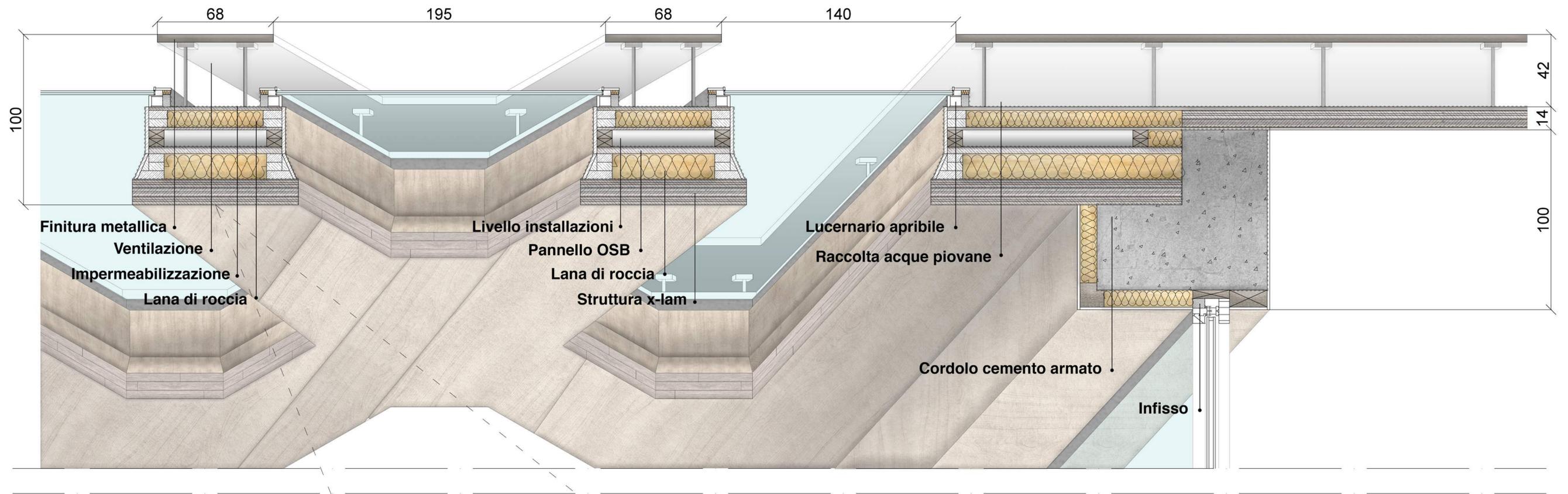
PROSPETTO SUD



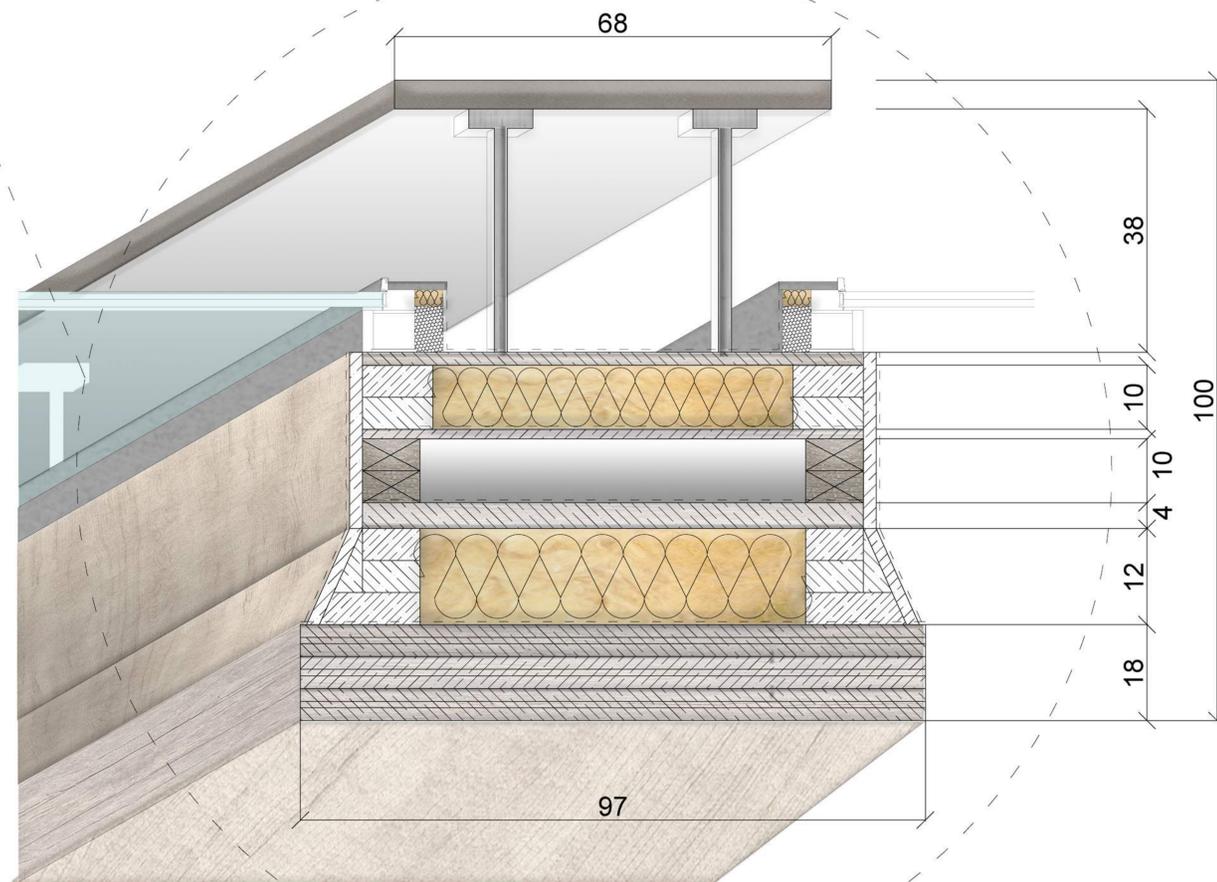
PIANTA PIANO PRIMO



PROSPETTO SUD



SEZIONE COPERTURA 1:10



DETTAGLIO 1:4



VISTA ESTERNA TECNOPOLO





GALLIERA



VISTA GENERALE AREA DI PROGETTO

