

ALMA MATER STUDIORUM - UNIVERSITA' DI BOLOGNA

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:
David Gnoli
Gabriella Martini

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

Anno Accademico 2021/2022

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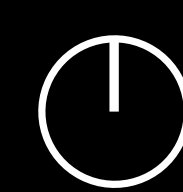
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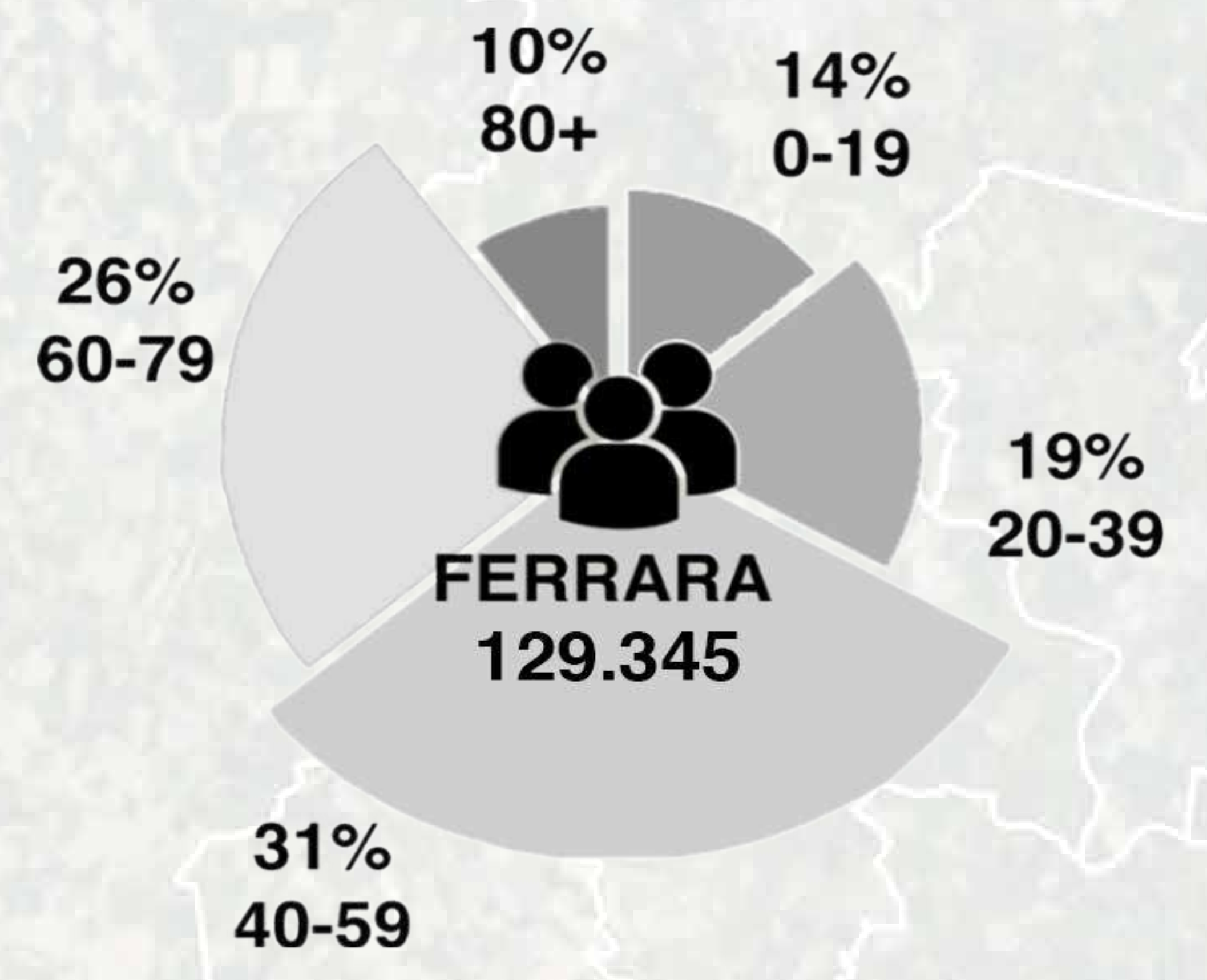
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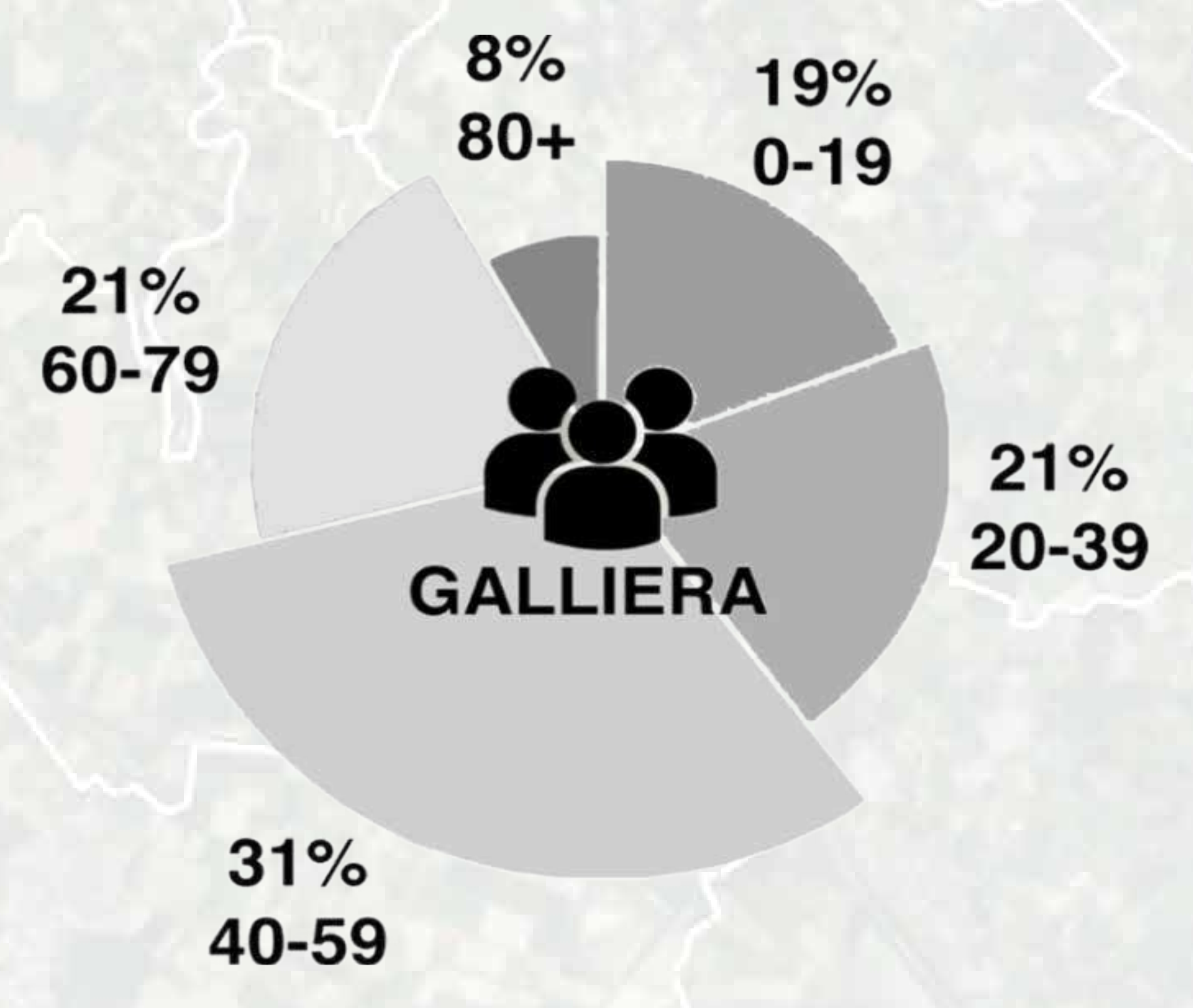
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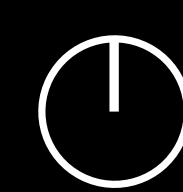
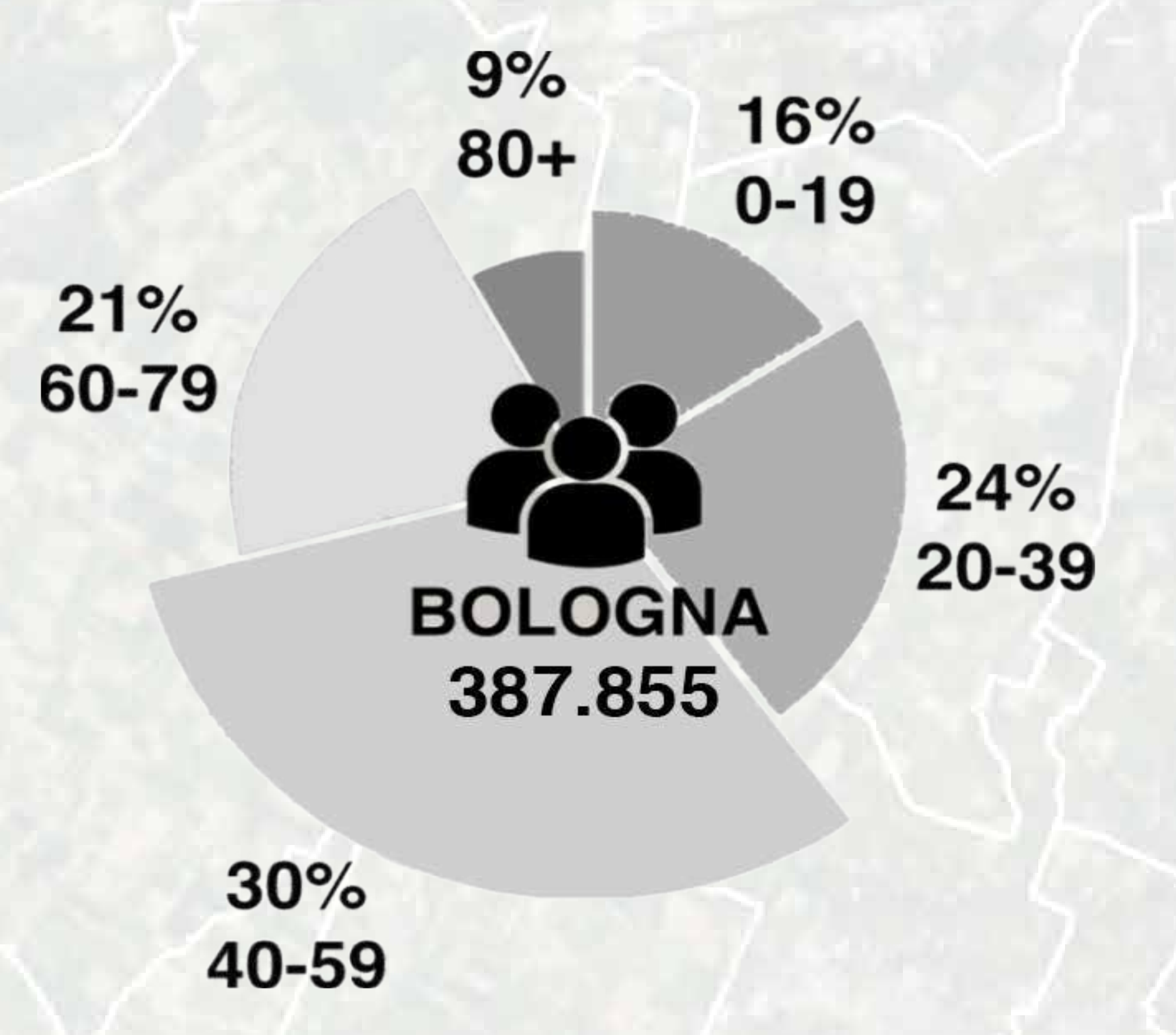
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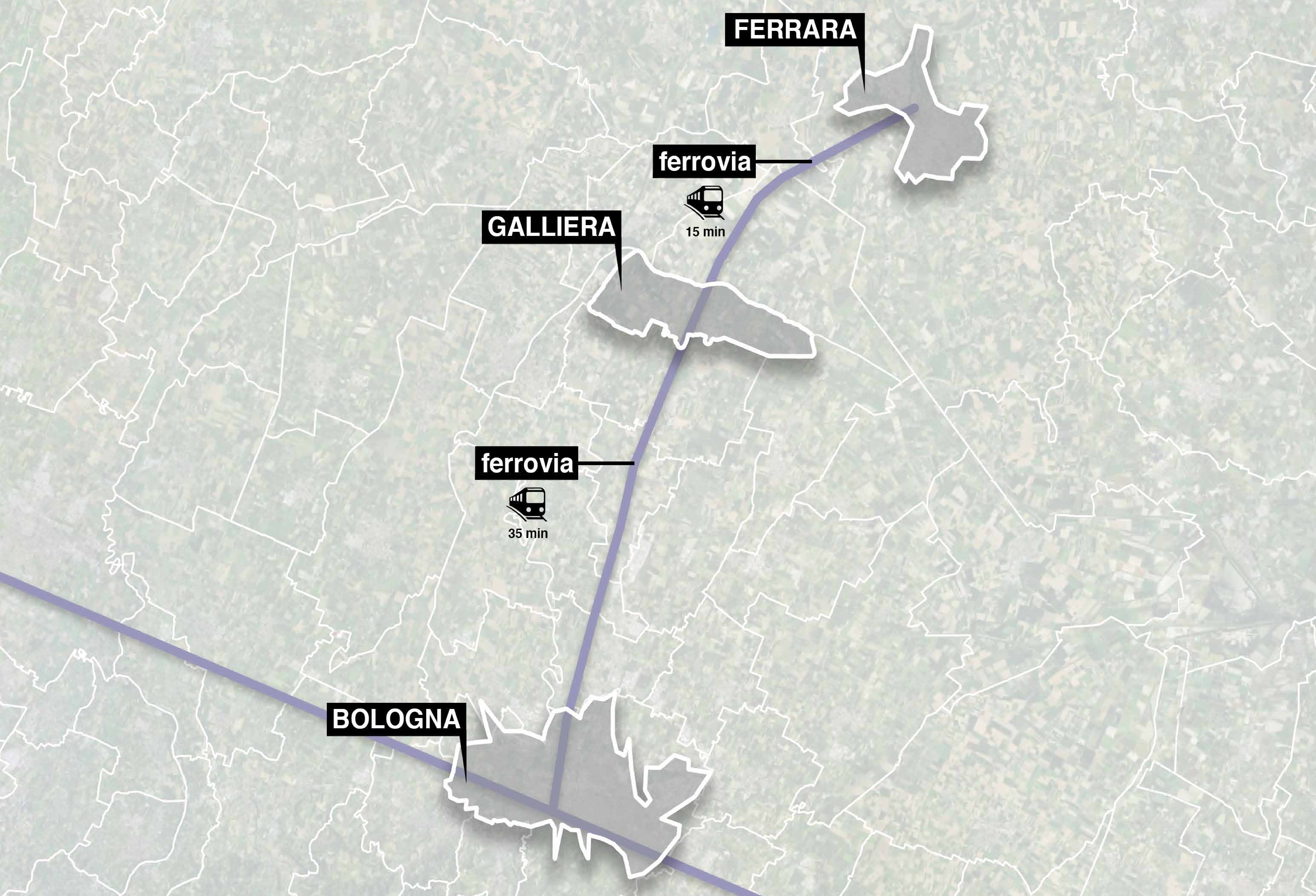


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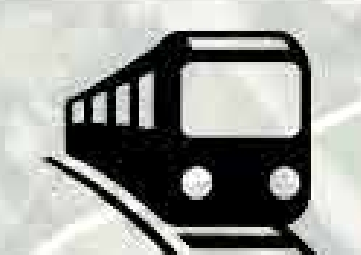
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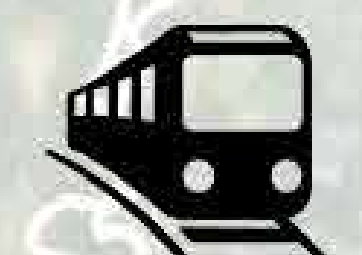
ferrovia



15 min

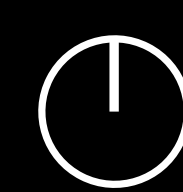
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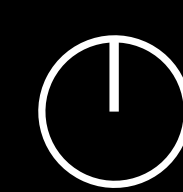
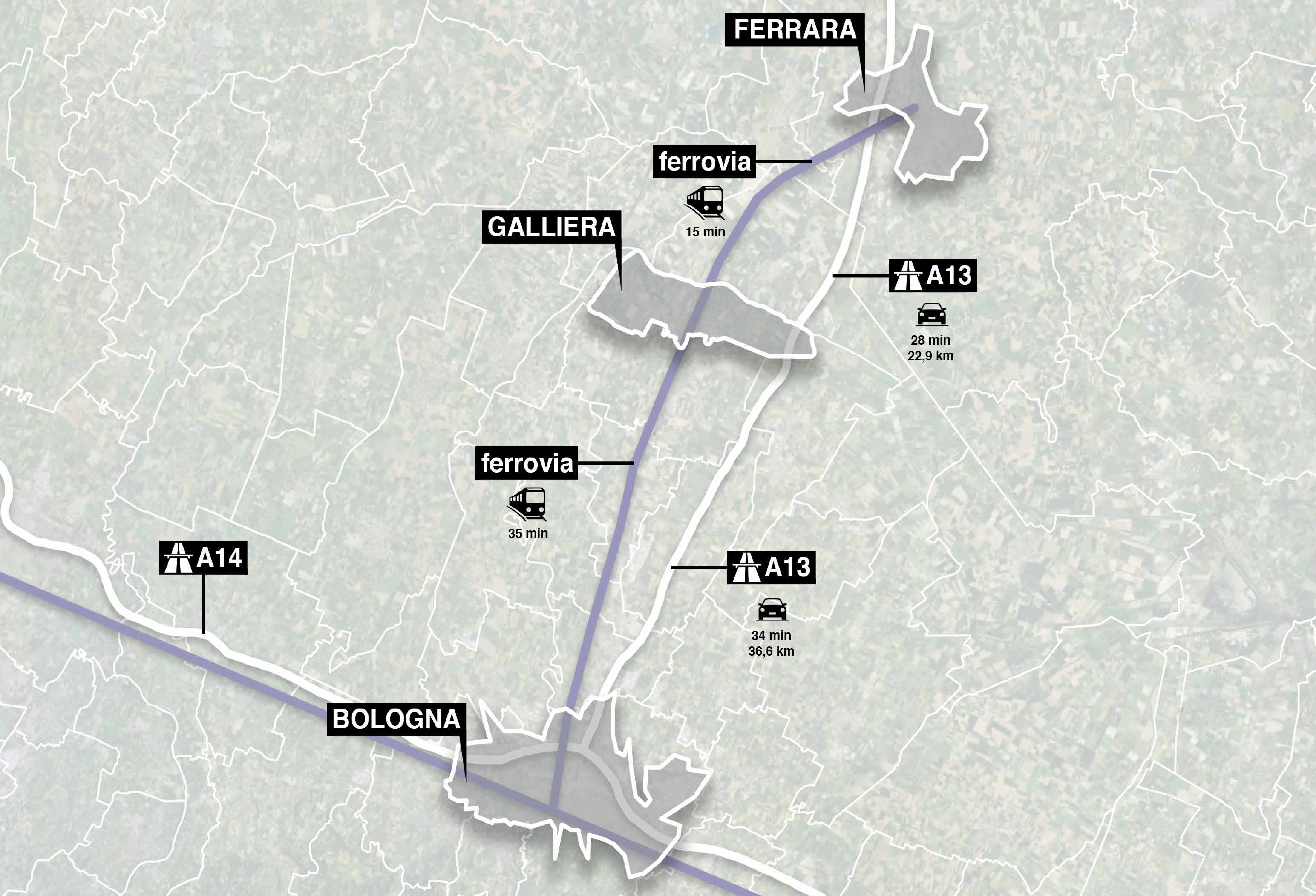
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35 min

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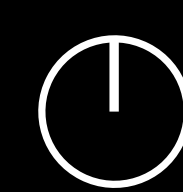






EX-SIAPA

canale della botte





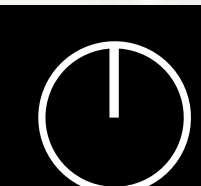
Galliera

San Venanzio

EX-SIAPA

San Vincenzo

canale della botte






ferrovia

Galliera

San Venanzio

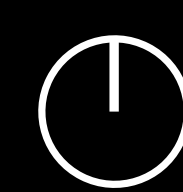
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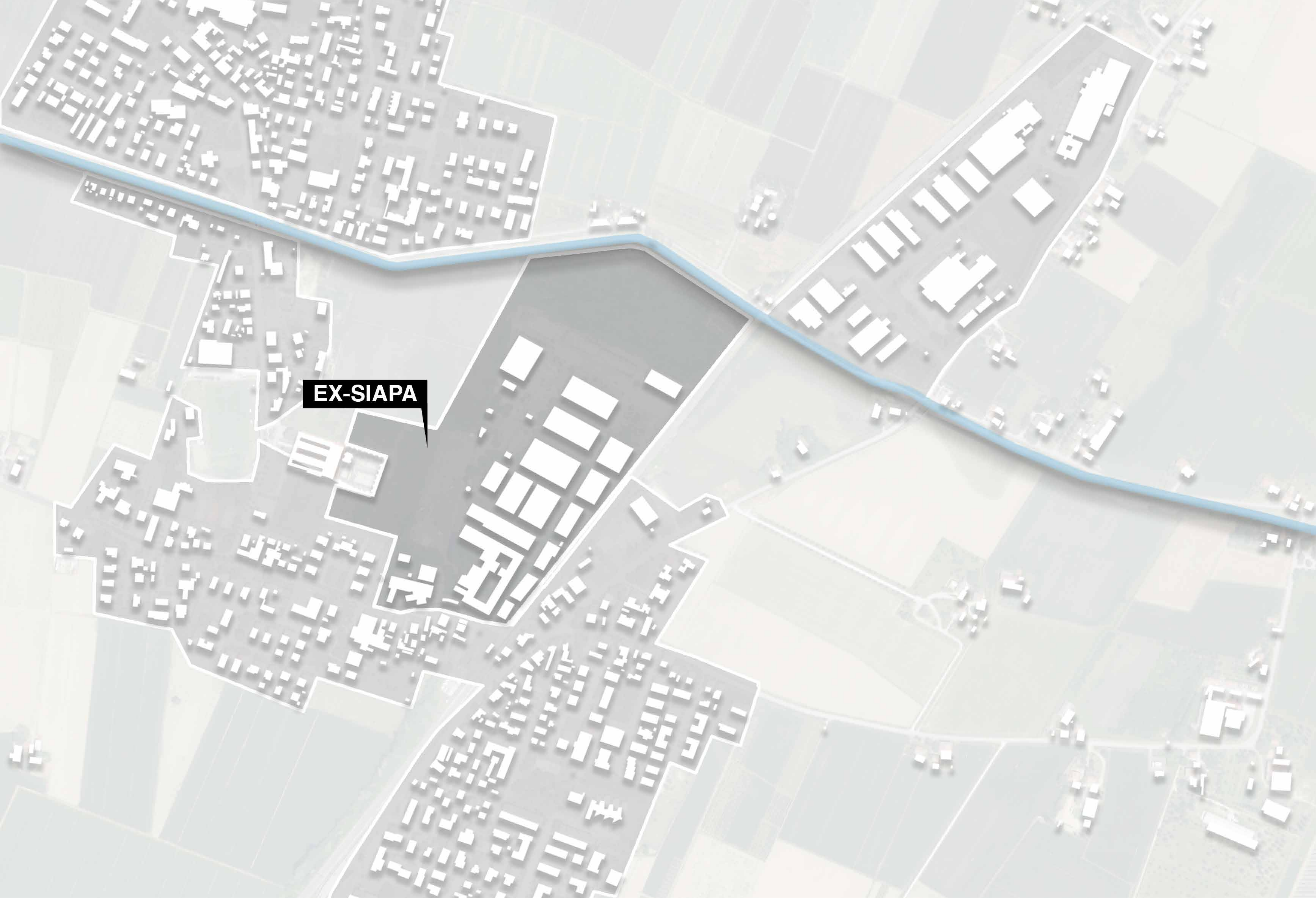
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canale della botte

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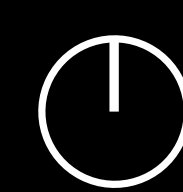
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SAN VENANZIO

ZONA INDUSTRIALE

EX-SIAPA

SAN VINCENZO



SAN VENANZIO

ZONA INDUSTRIALE

EX-SIAPA

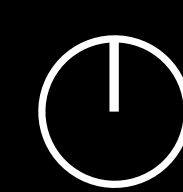
ferrovia

SP4

stazione

SP12

SAN VINCENZO



SAN VENANZIO

ZONA INDUSTRIALE


municipio


chiesa


scuola
primaria


campi
sportivi

EX-SIAPA

ferrovia

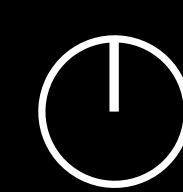
 **SP4**

stazione

 **SP12**

SAN VINCENZO


scuola
materna

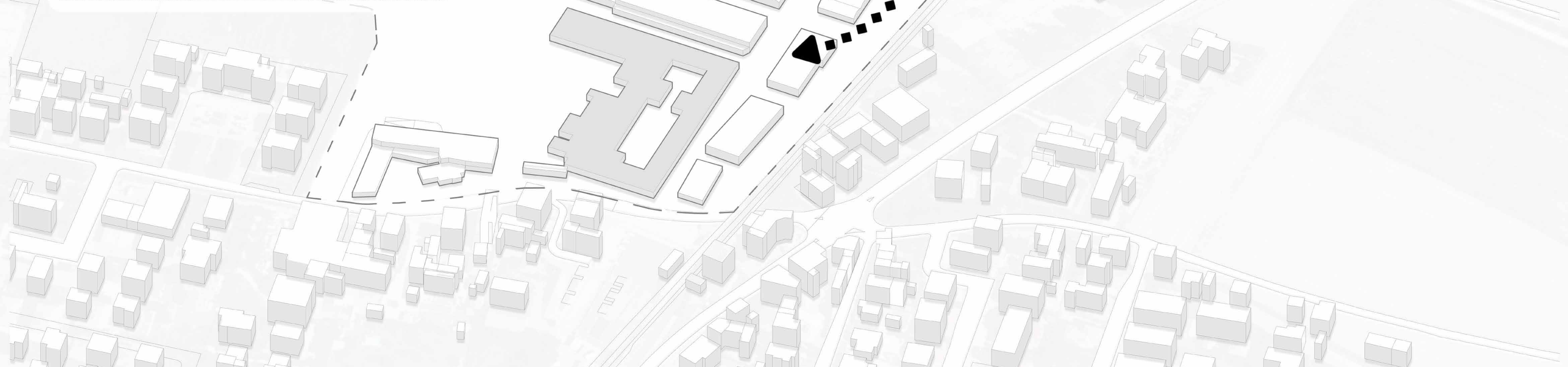
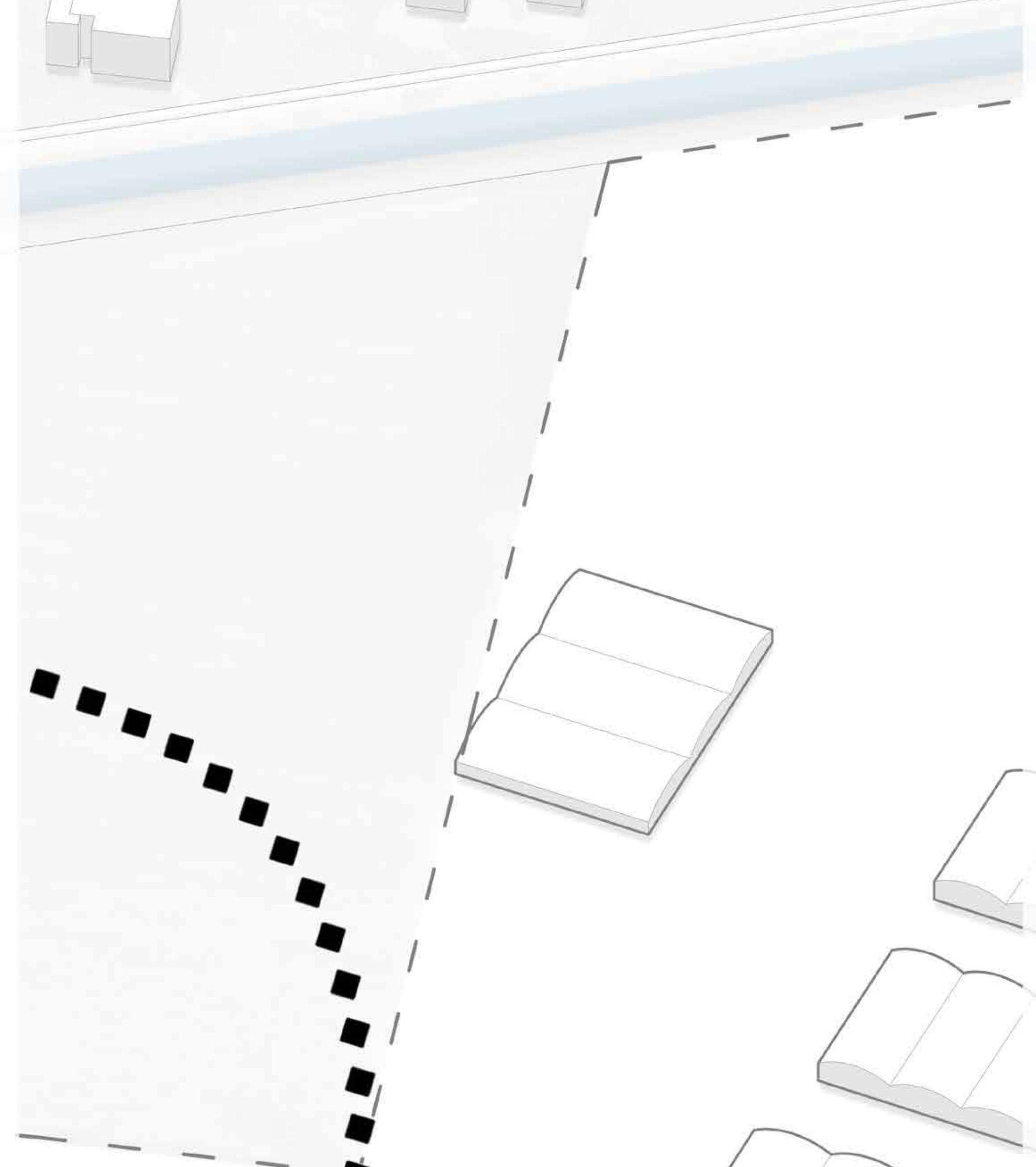


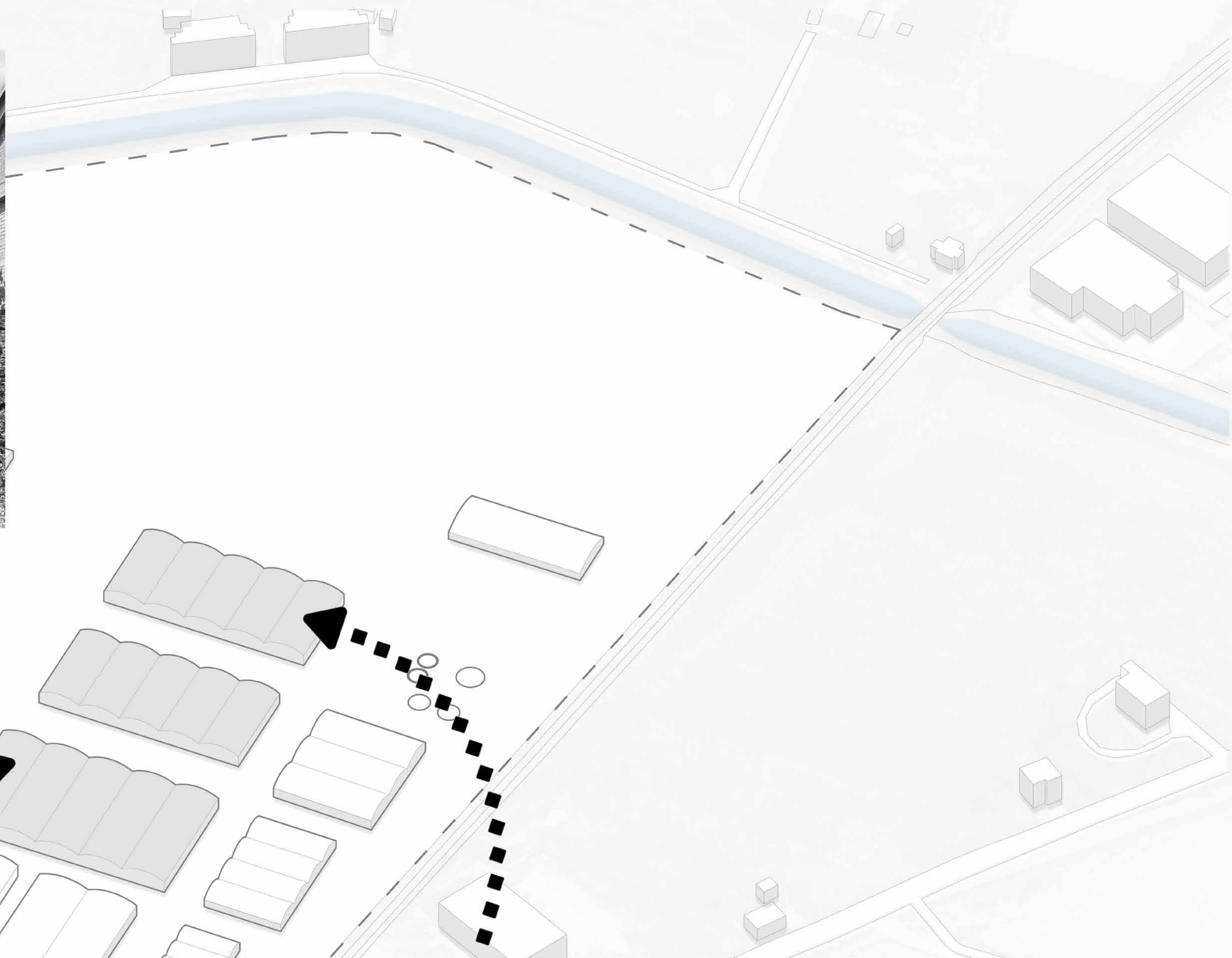


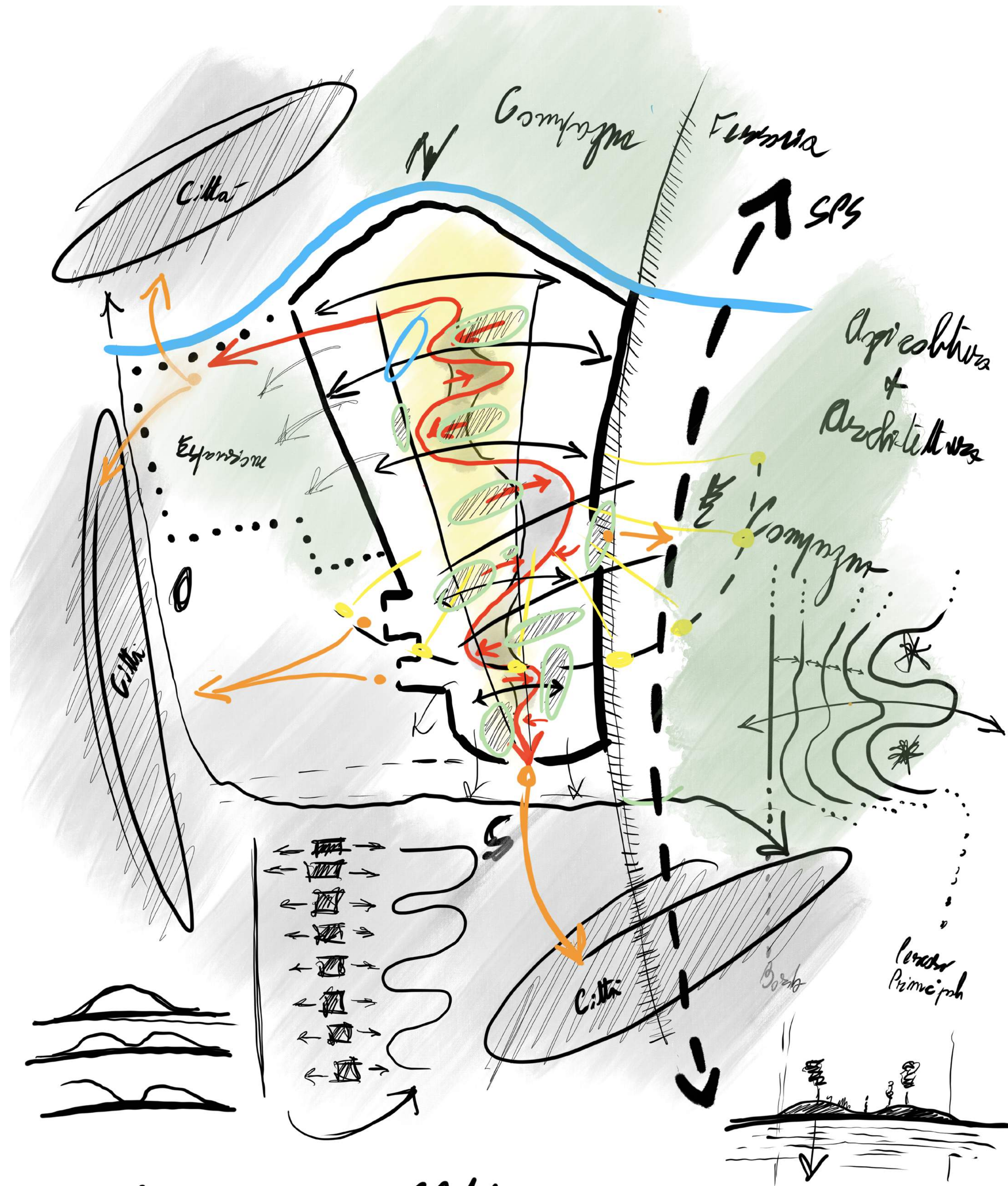




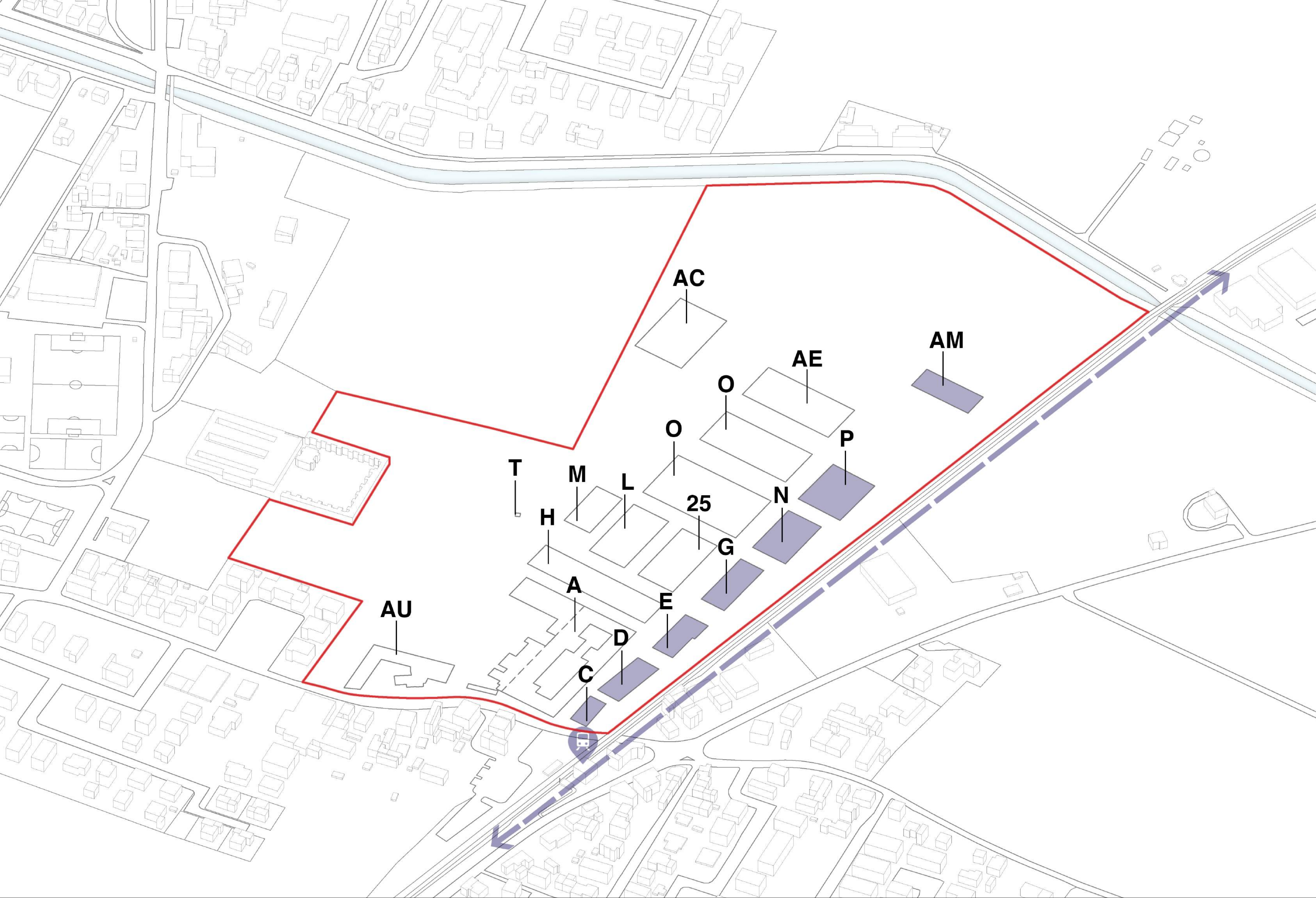


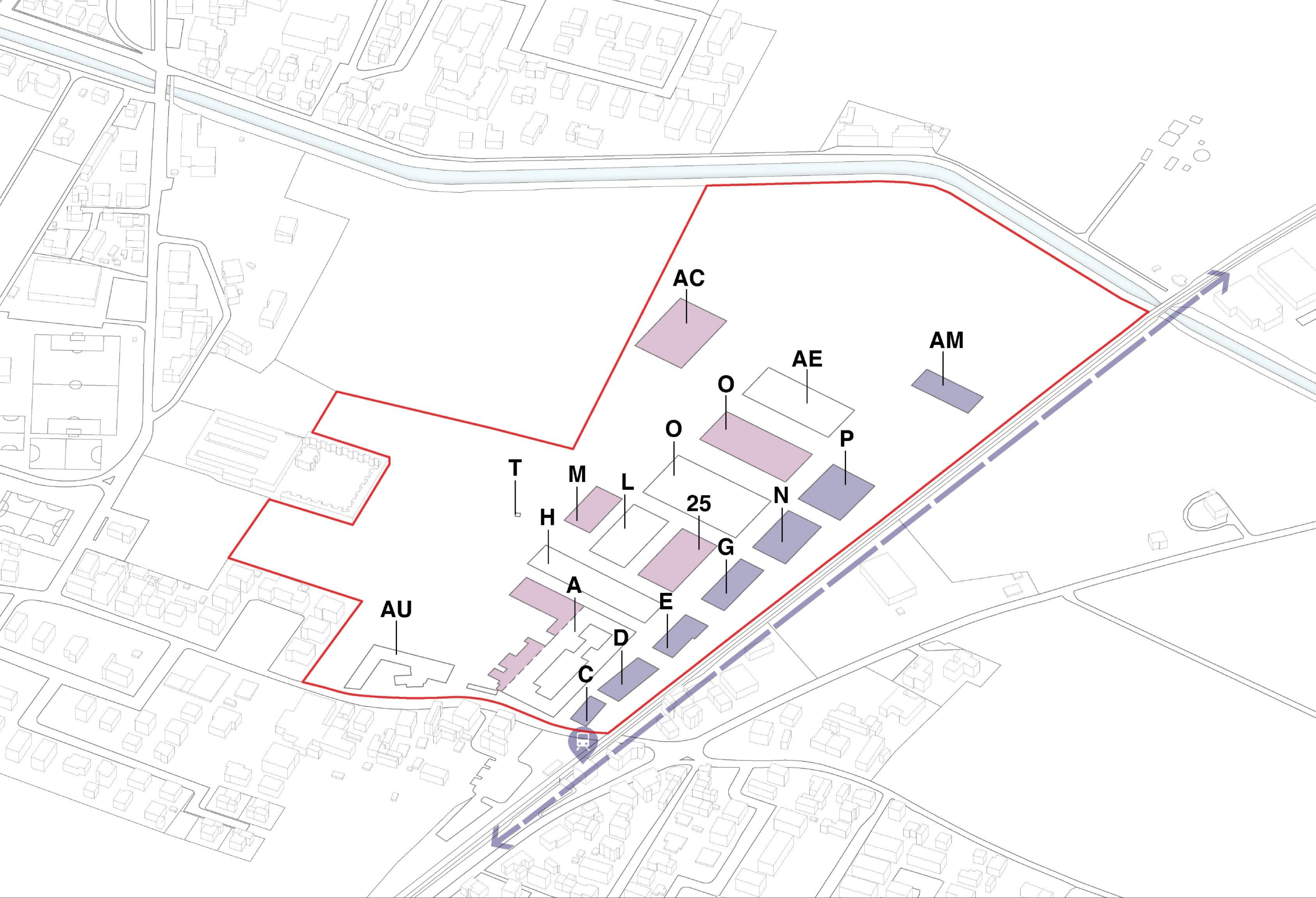






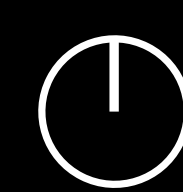
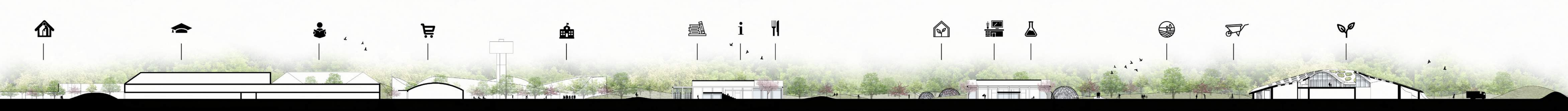
EX-SIAPA, GALLIERA, BO













1.



5.



2.



6.



3.



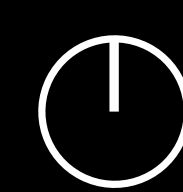
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4.



8.

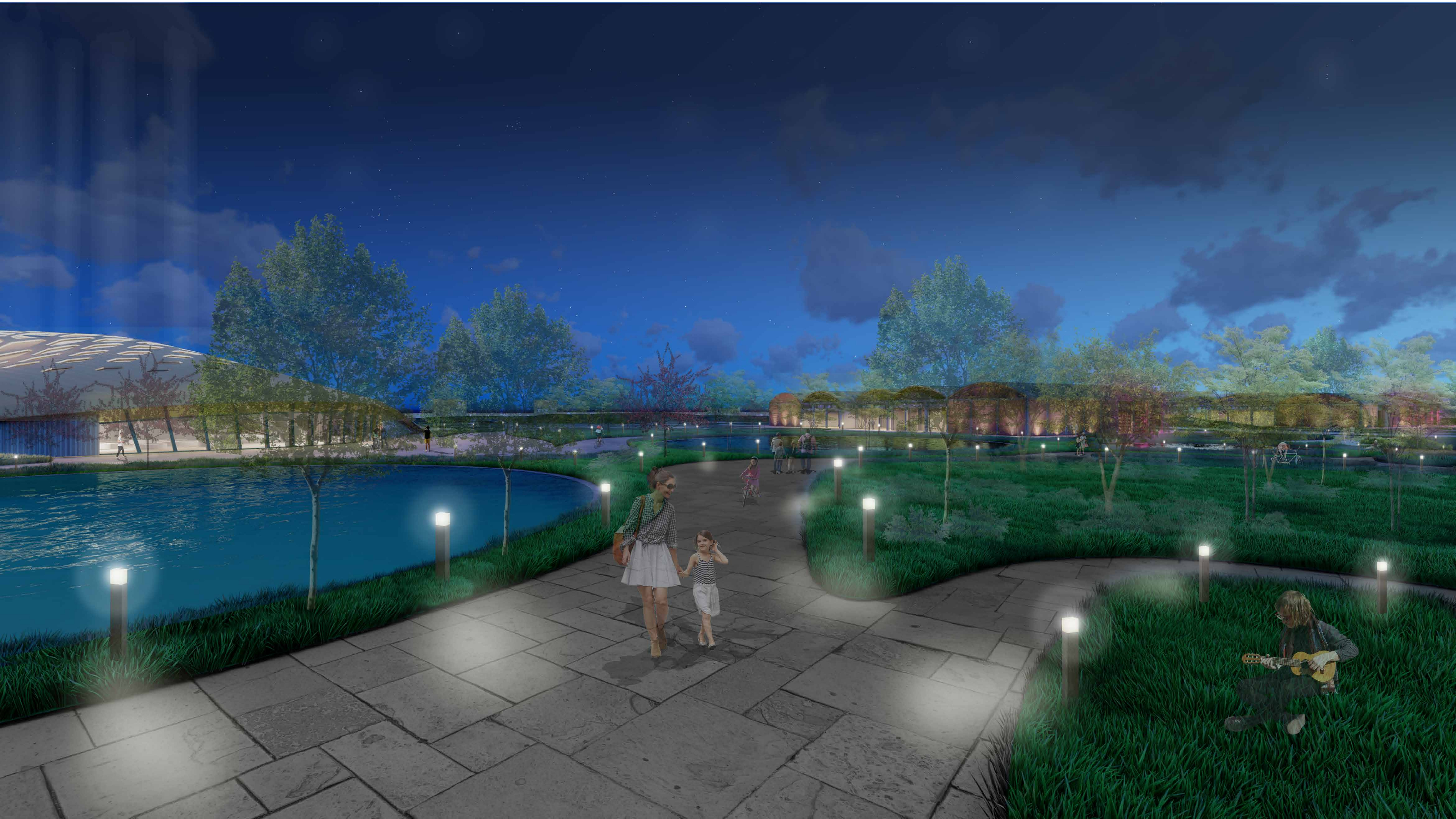




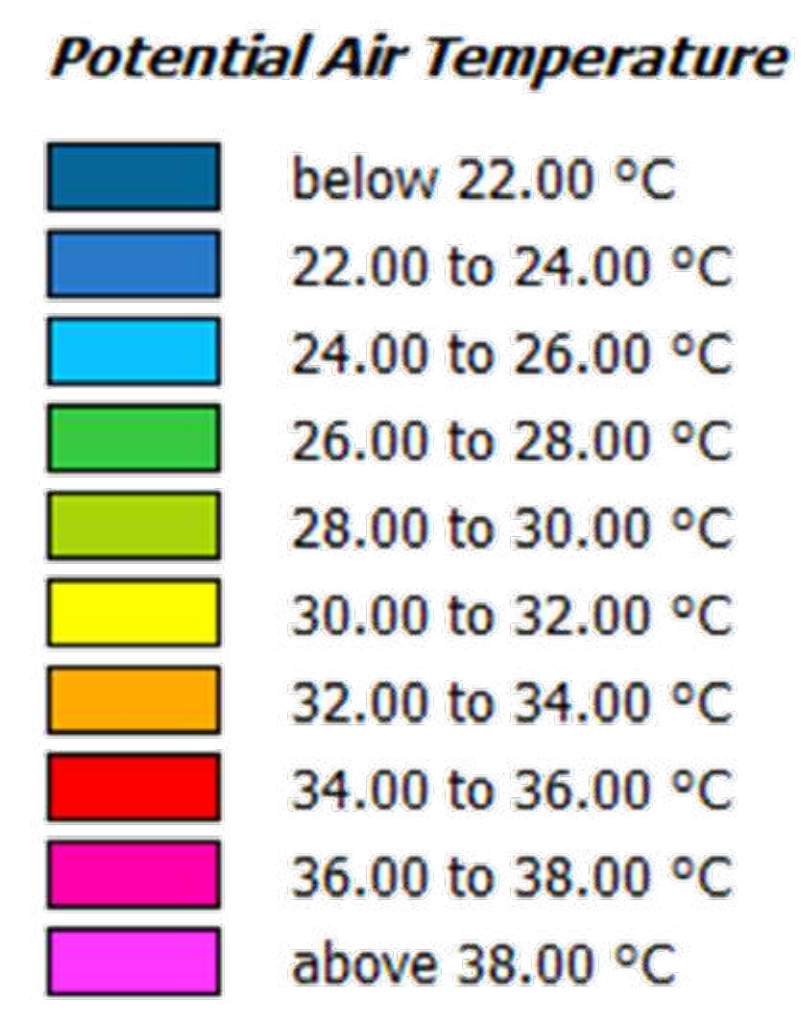
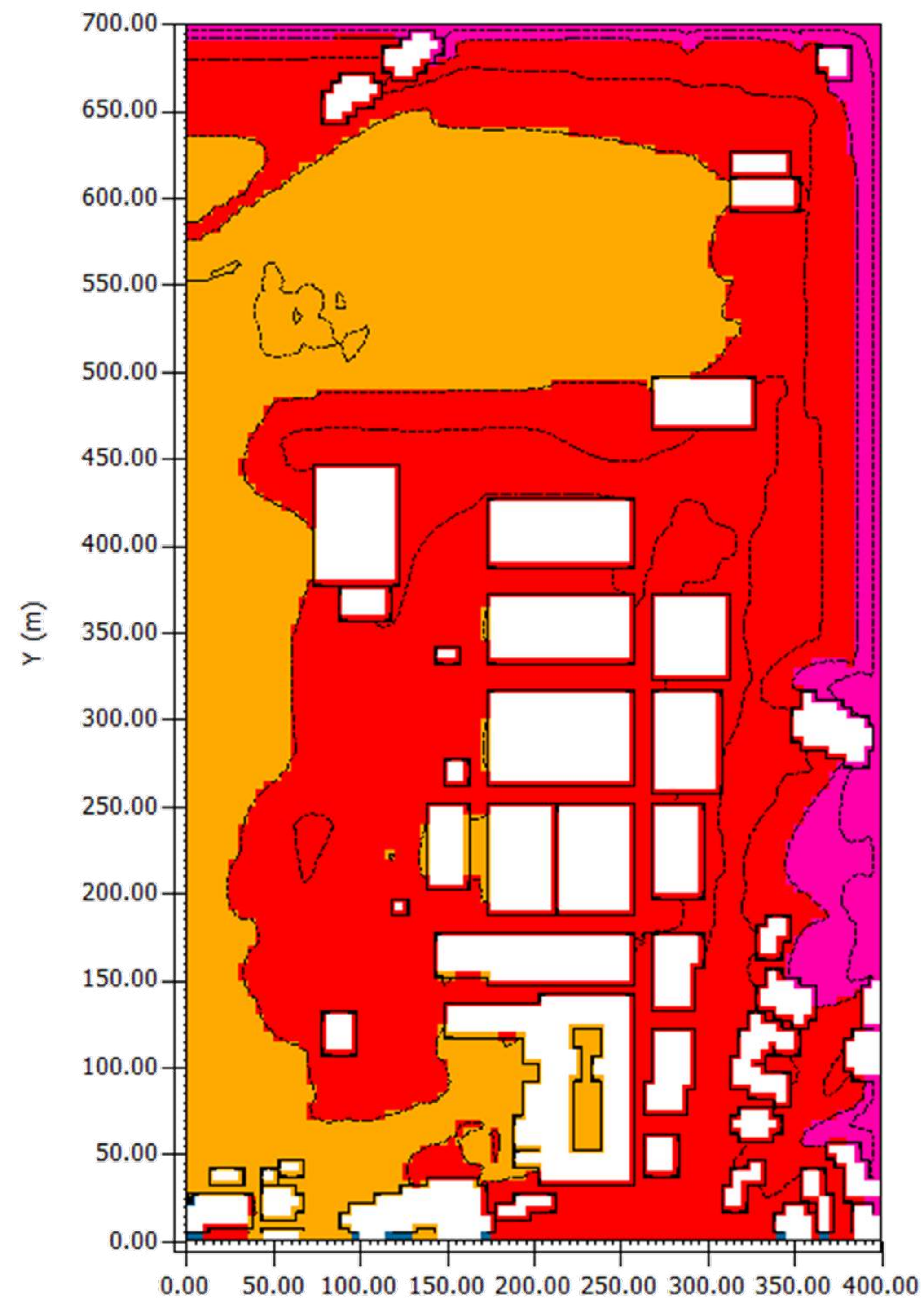
-  VERTICAL FARM
-  BIO LAGO
-  COLLINA
-  ORTI
-  SERRE SOCIALI
- AE**
-  - LABORATORI
-  - UFFICI
- O**
-  - LIBRERIA
-  - RISTORANTE / BAR
-  - INFO POINT
-  STAZIONE
-  PIAZZA
-  ISTITUTO COMPRESIVO
-  ZONA COMMERCIALE
-  AULE STUDIO
-  STUDENTATO
-  RSA



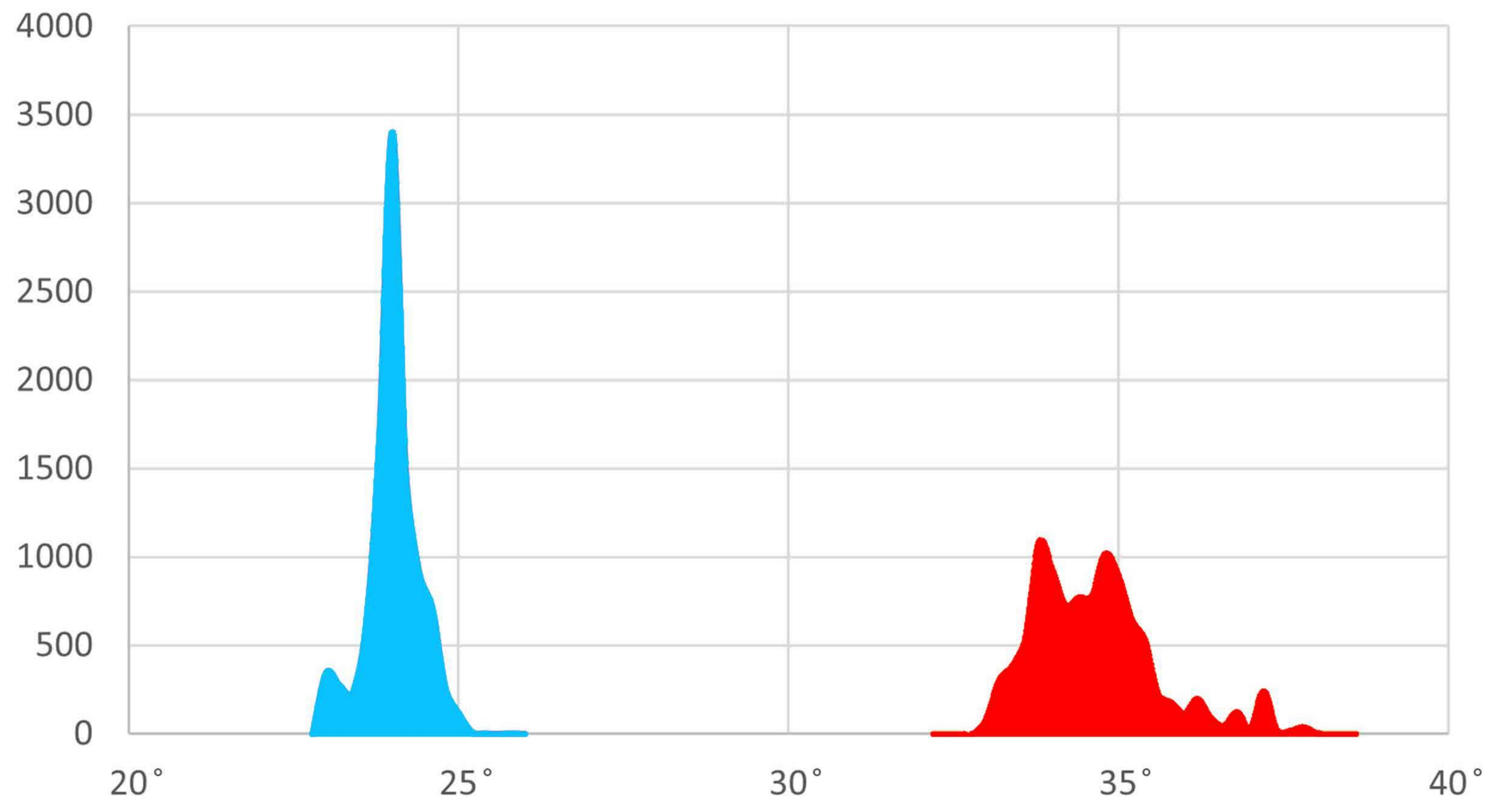
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VISTA NOTTURNA PERCORSO PRINCIPALE

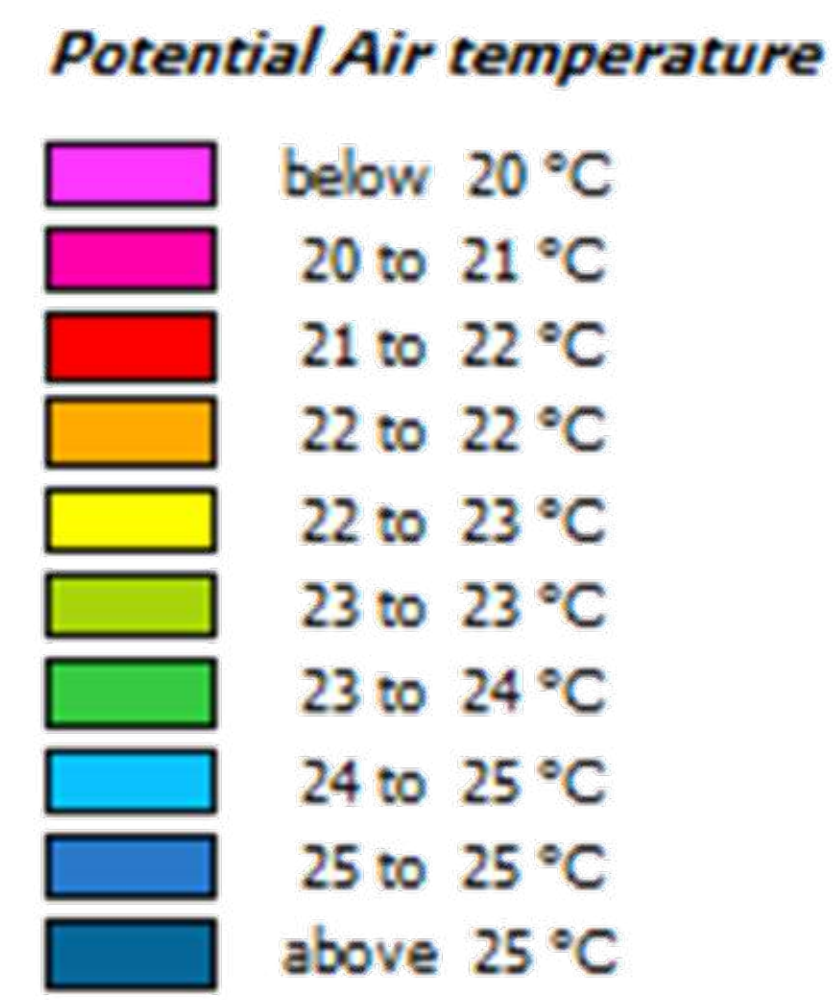
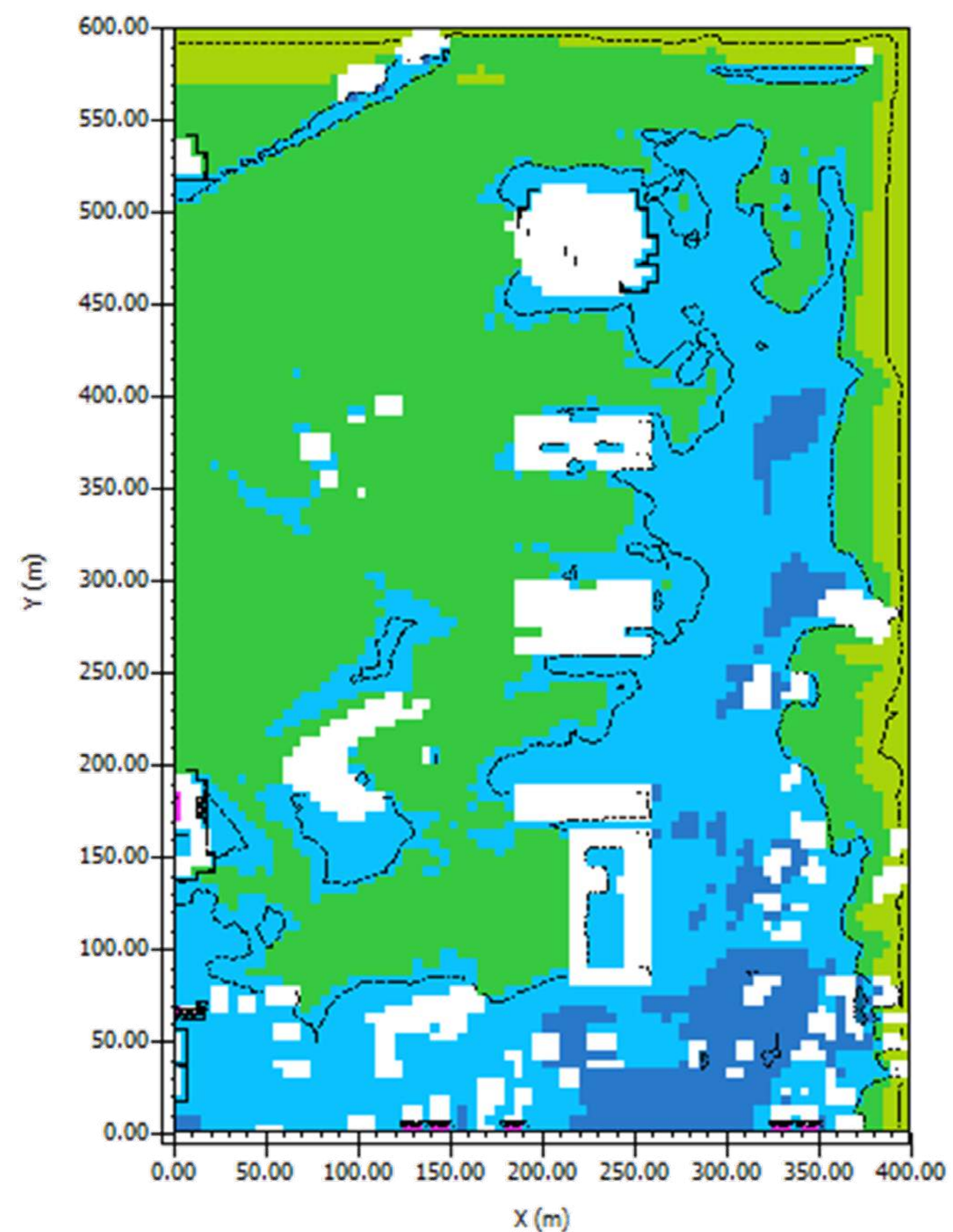


X (m)
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Max: 37.85 °C

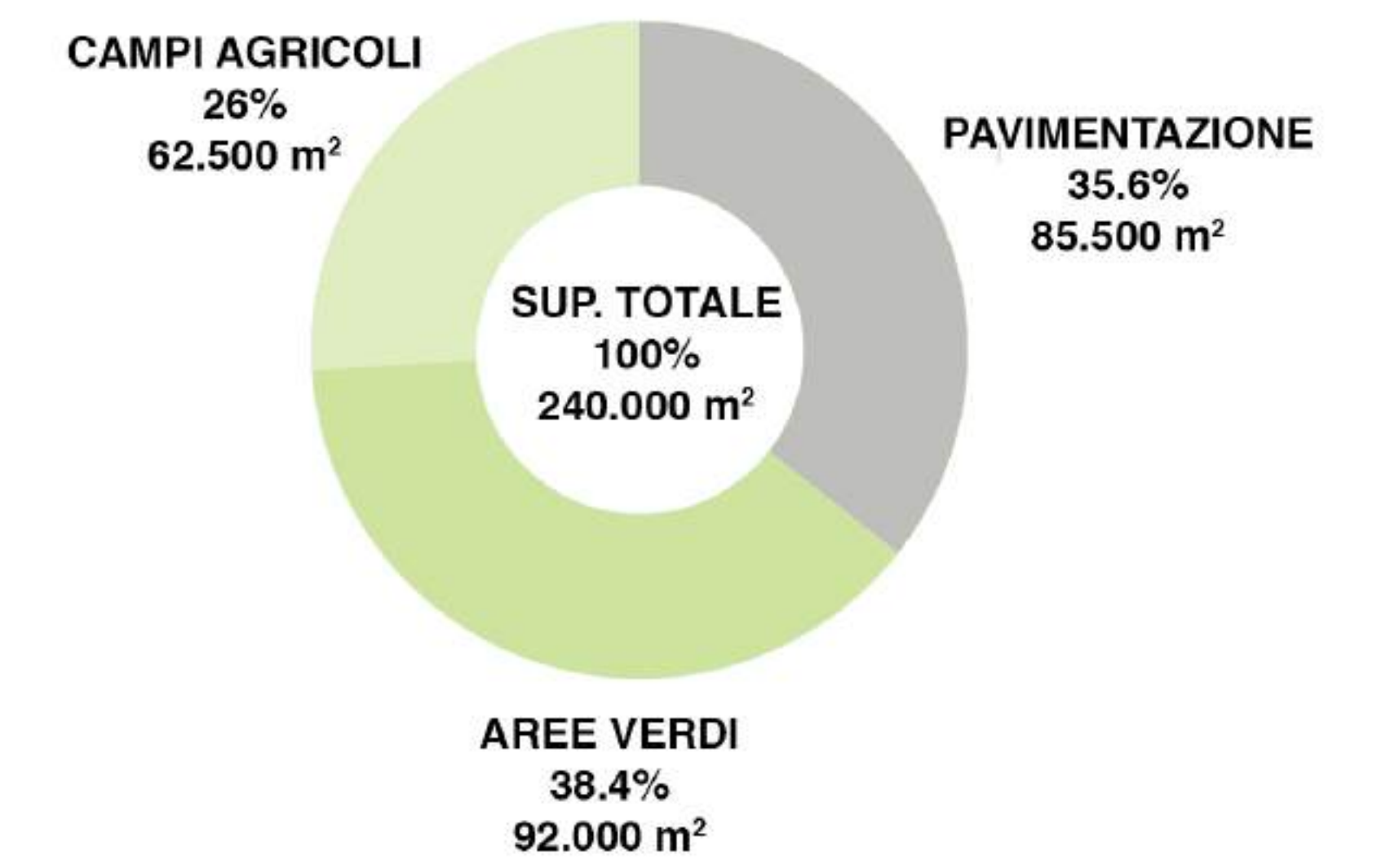
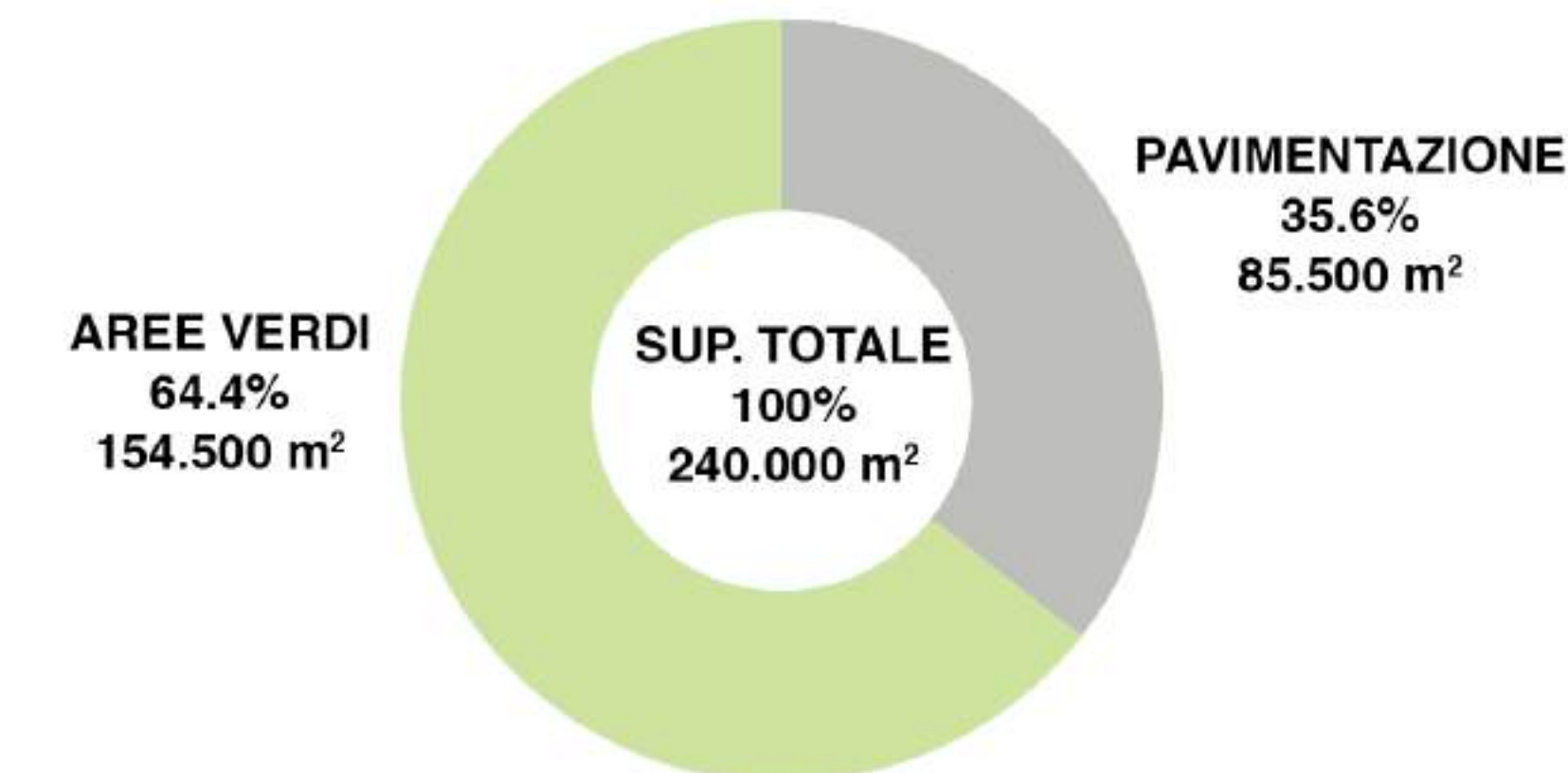
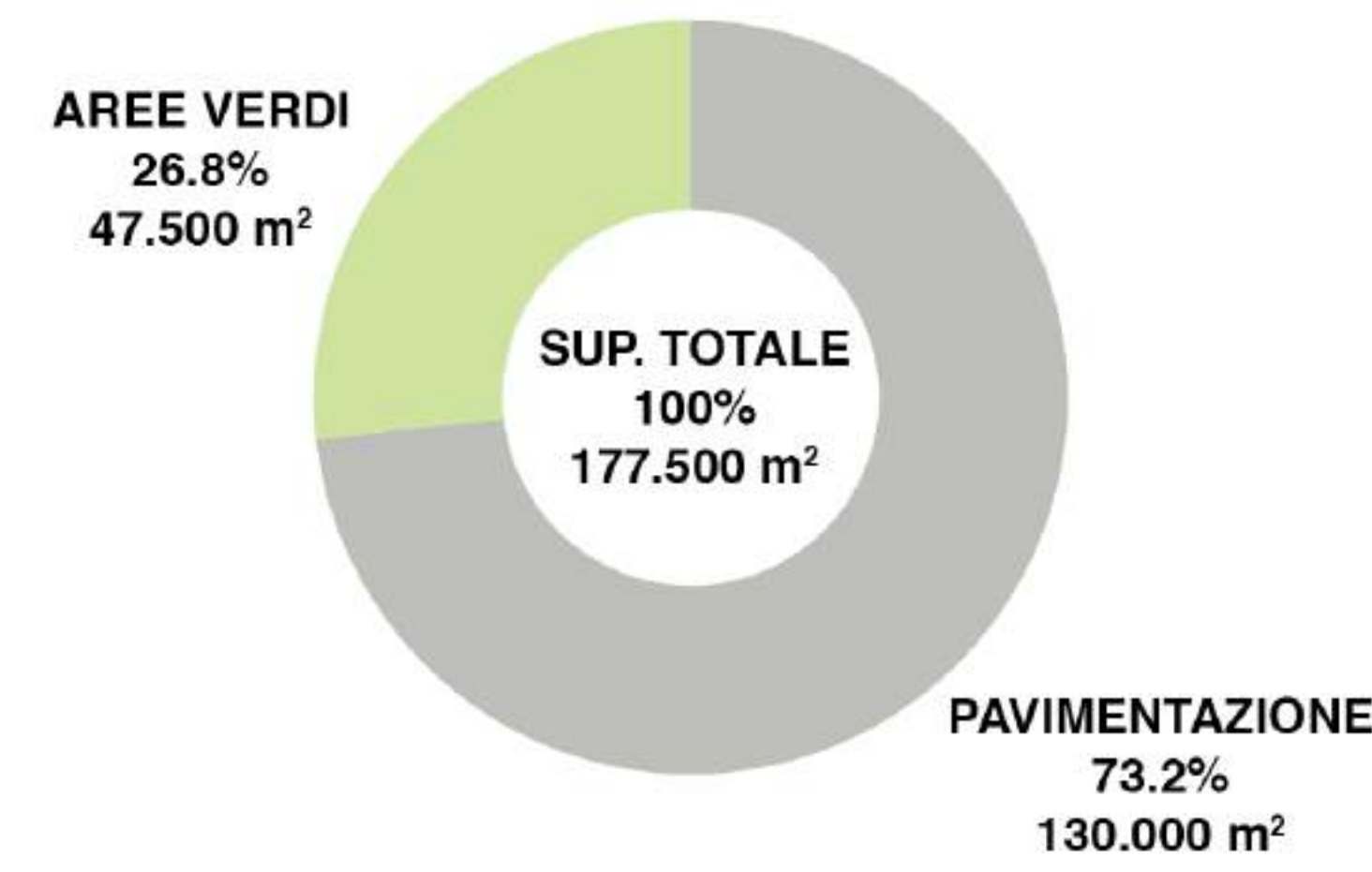


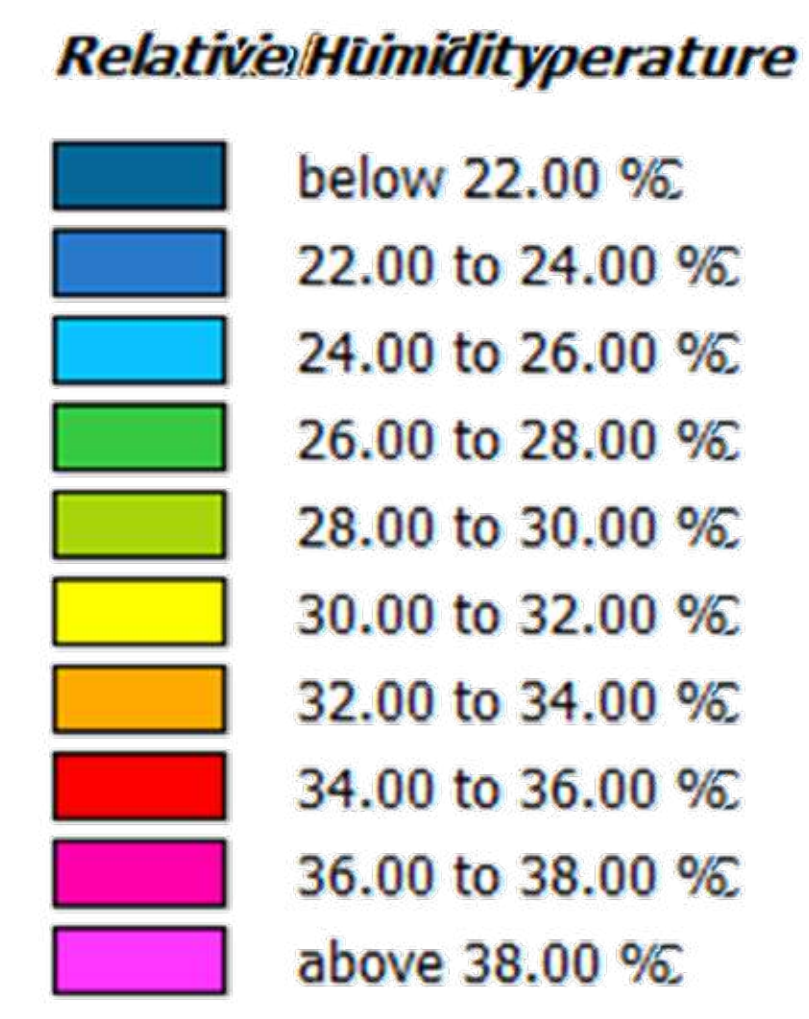
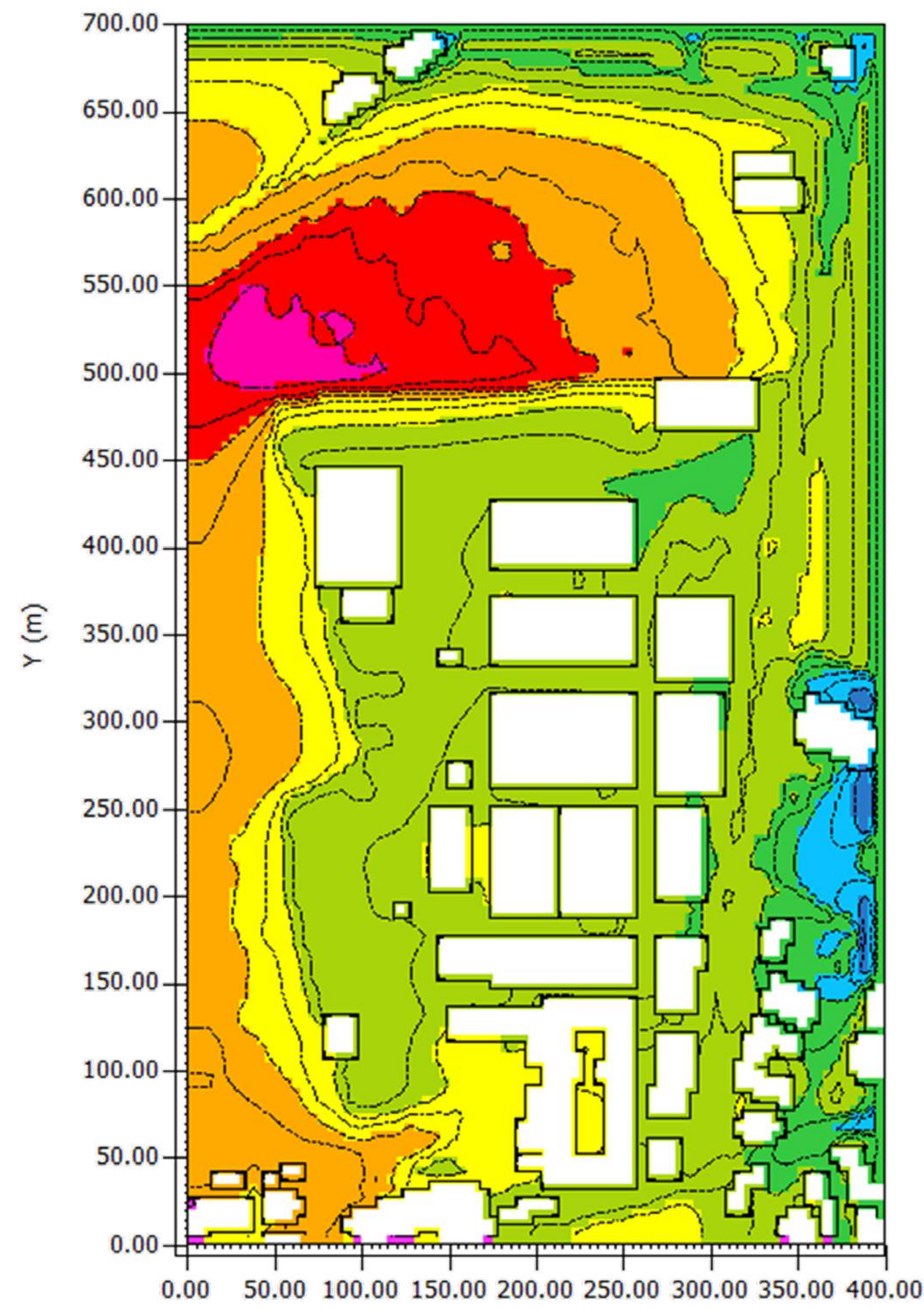
TEMPERATURA
PROGETTO
ore 12.00 14 agosto

TEMPERATURA
STATO DI FATTO
ore 12.00 14 agosto

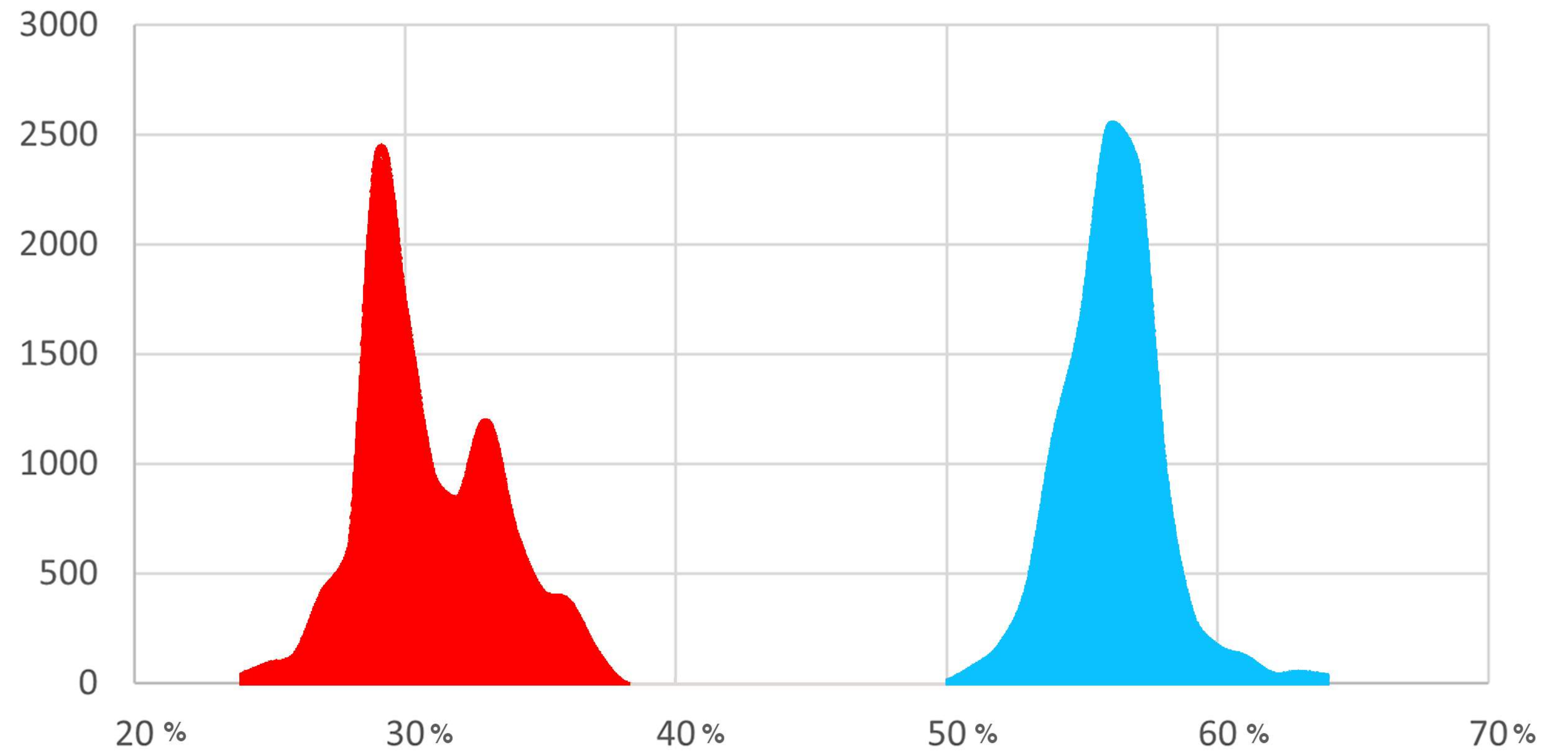


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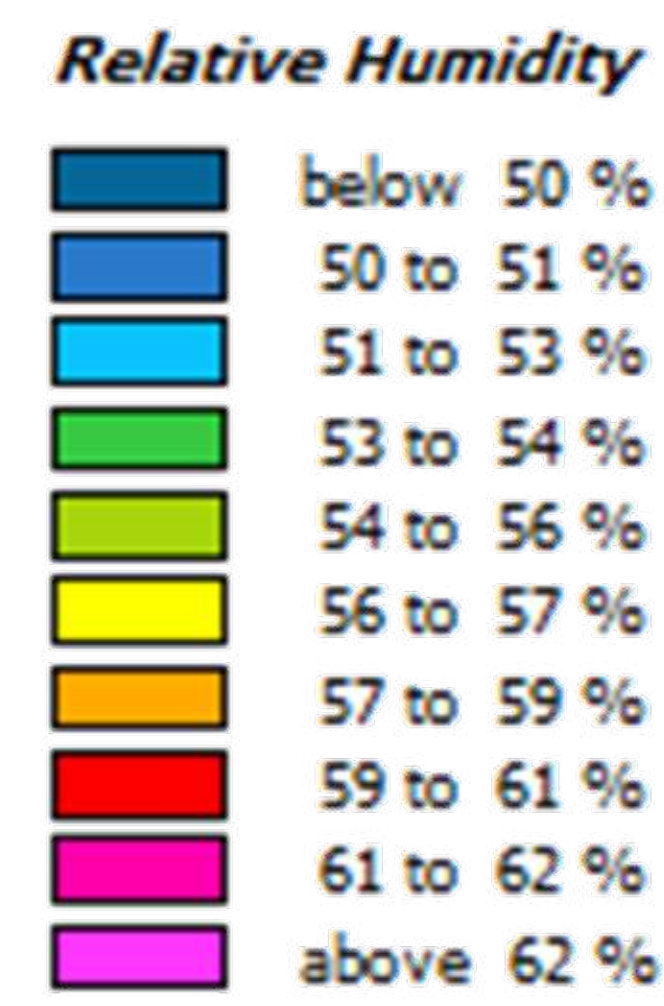
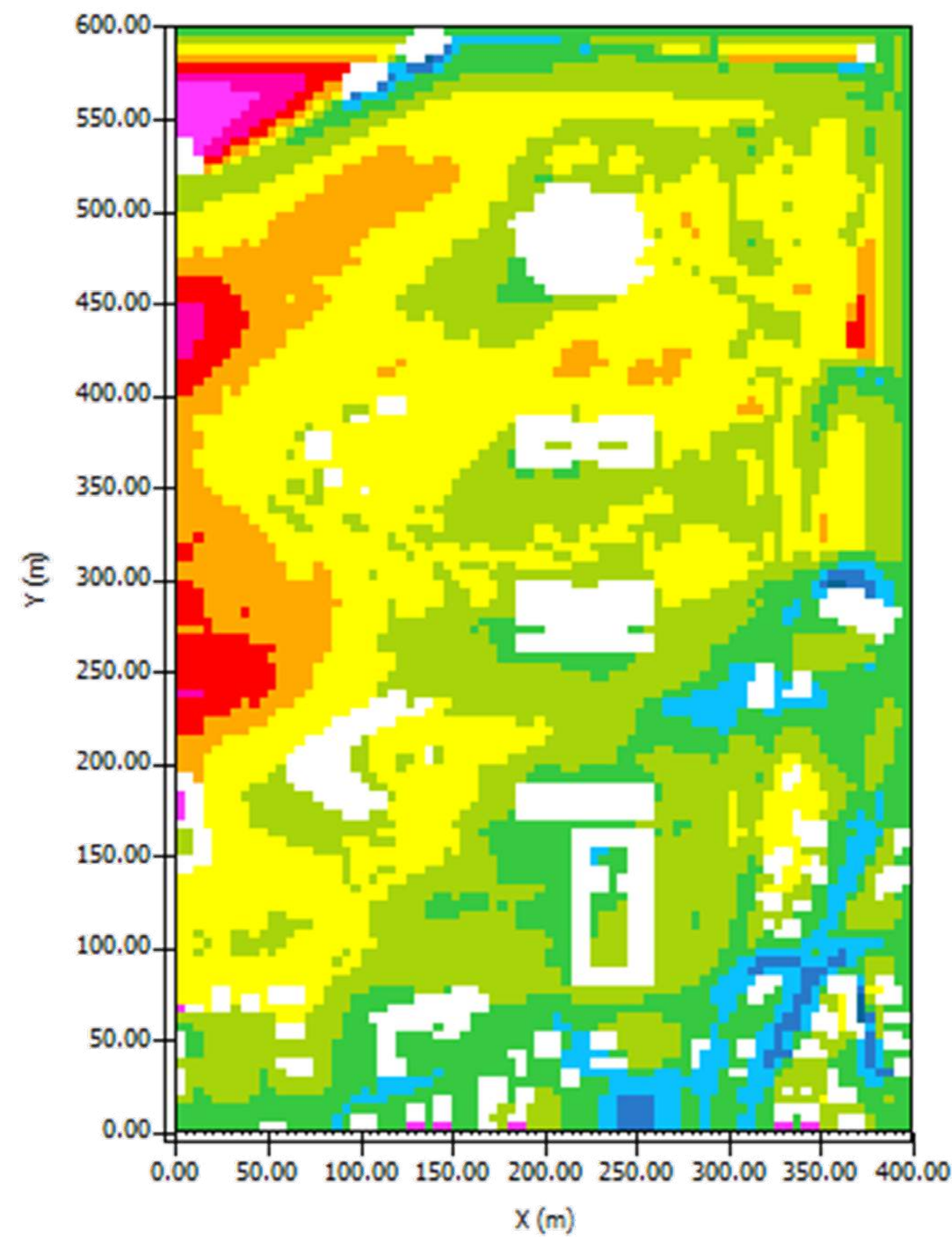


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Max: 80.21 %

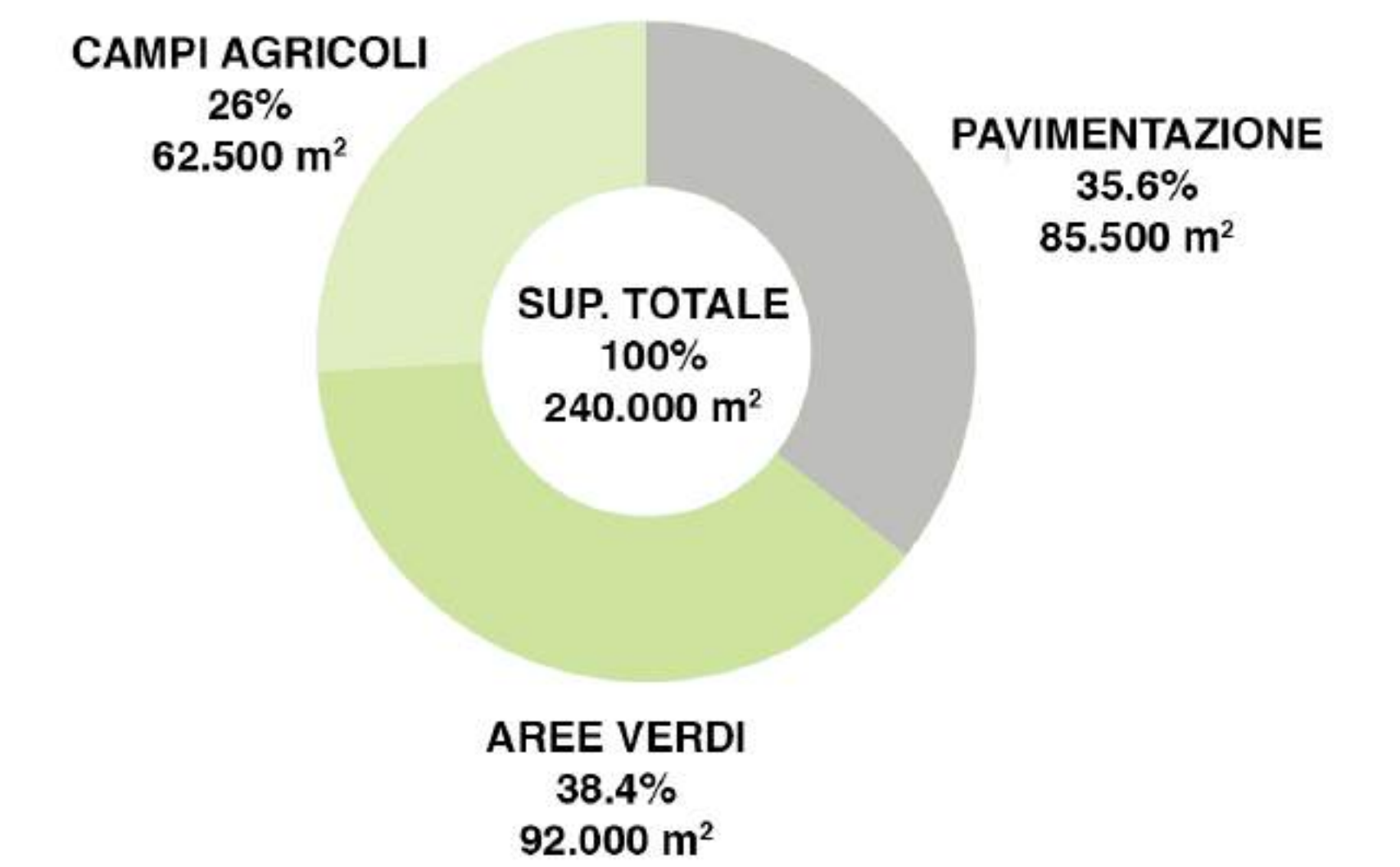
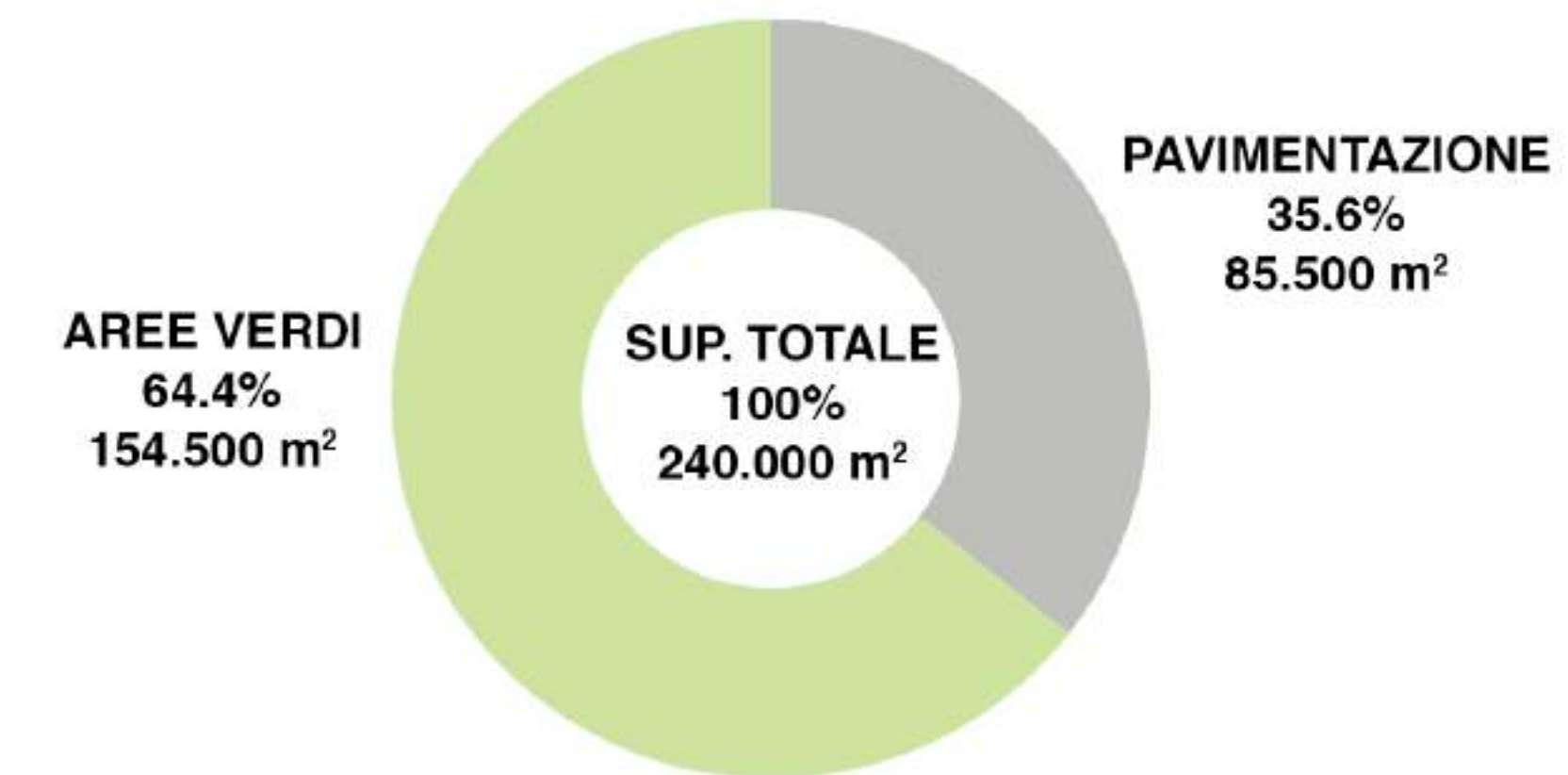
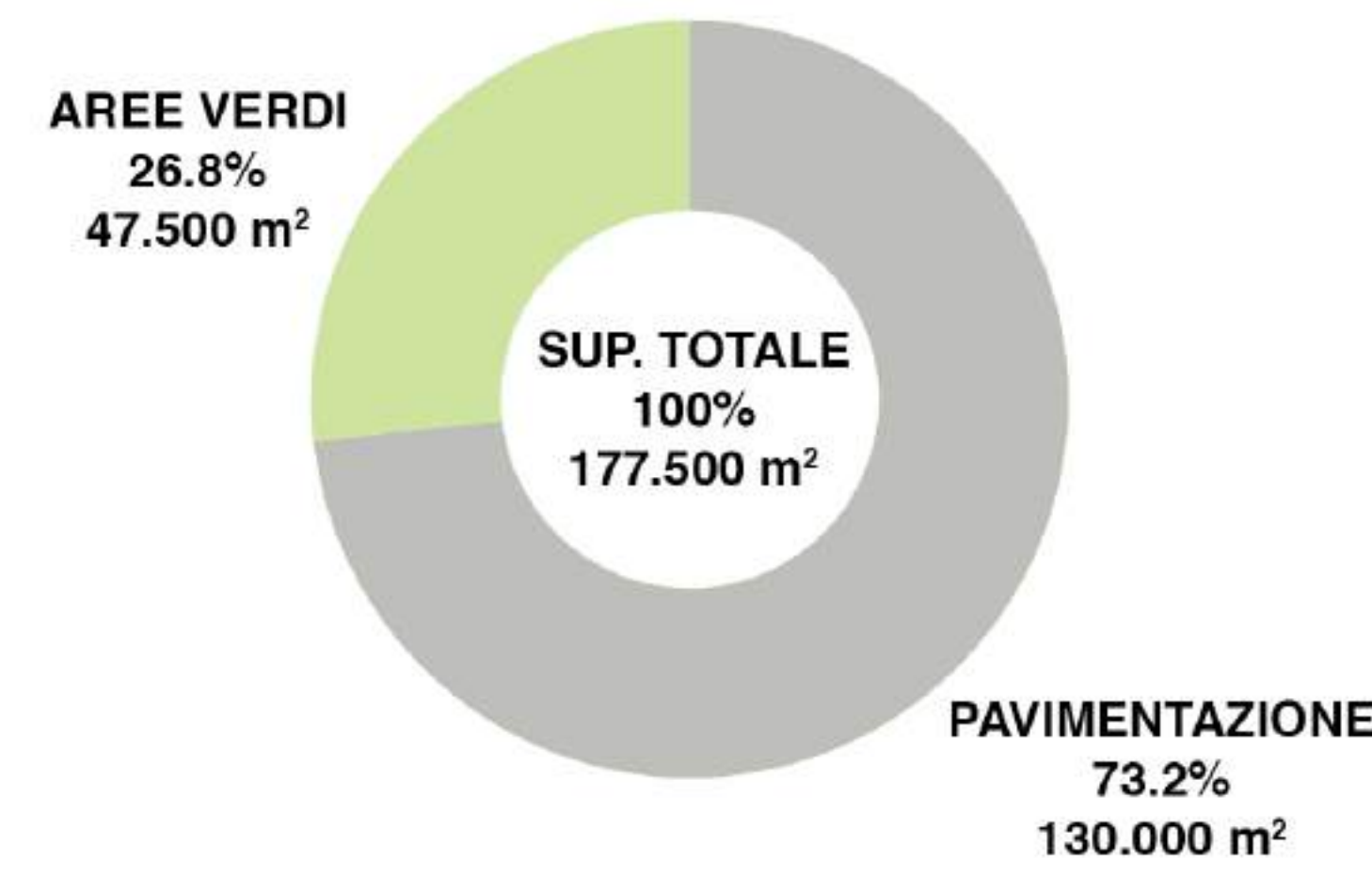


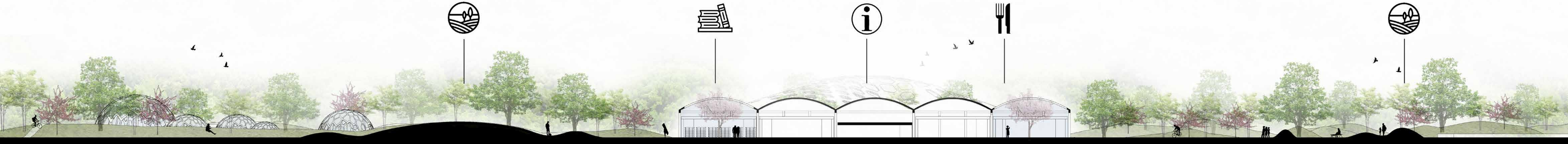
**UMIDITA' RELATIVA
STATO DI FATTO
ore 12.00 14 agosto**

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

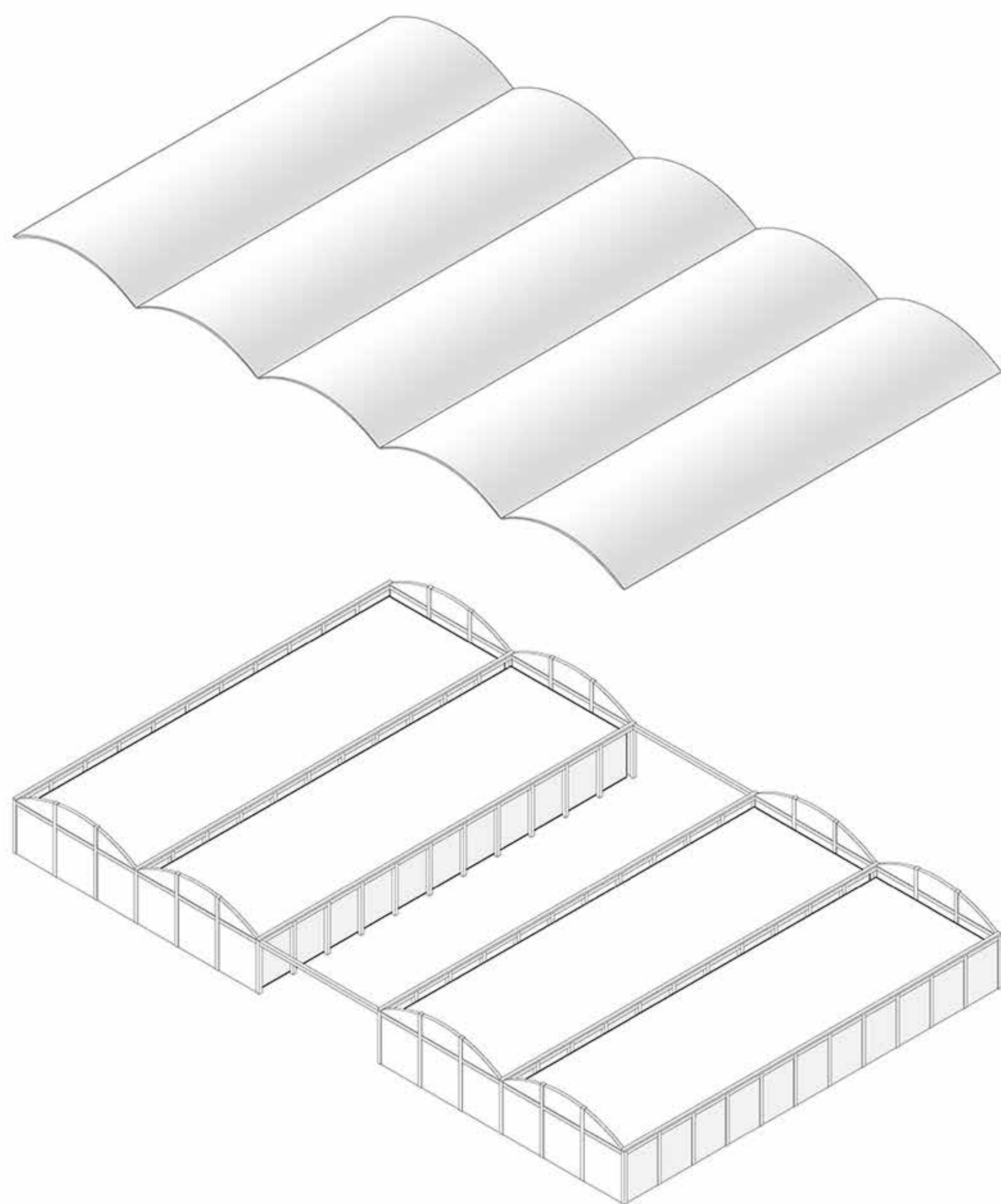


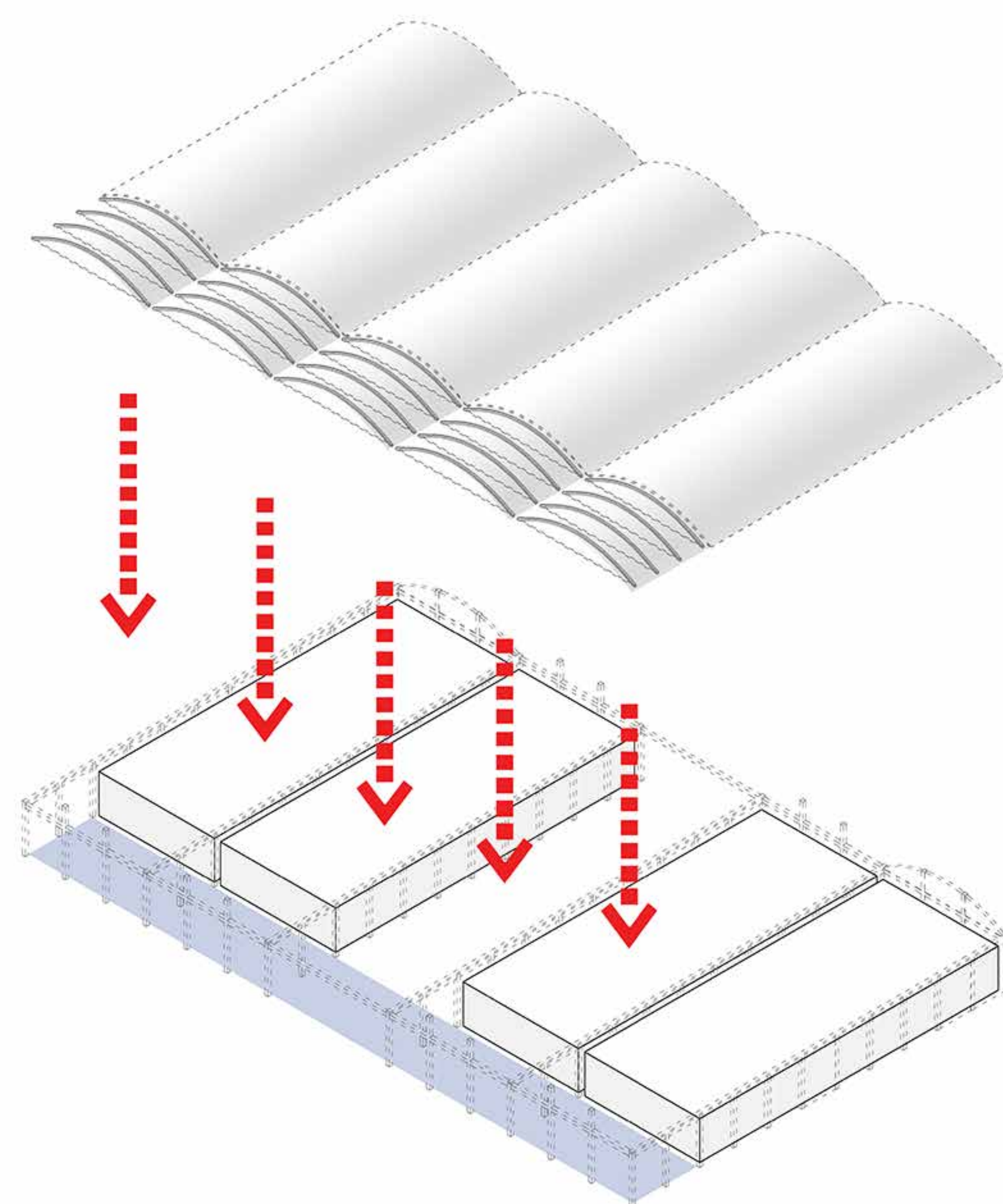
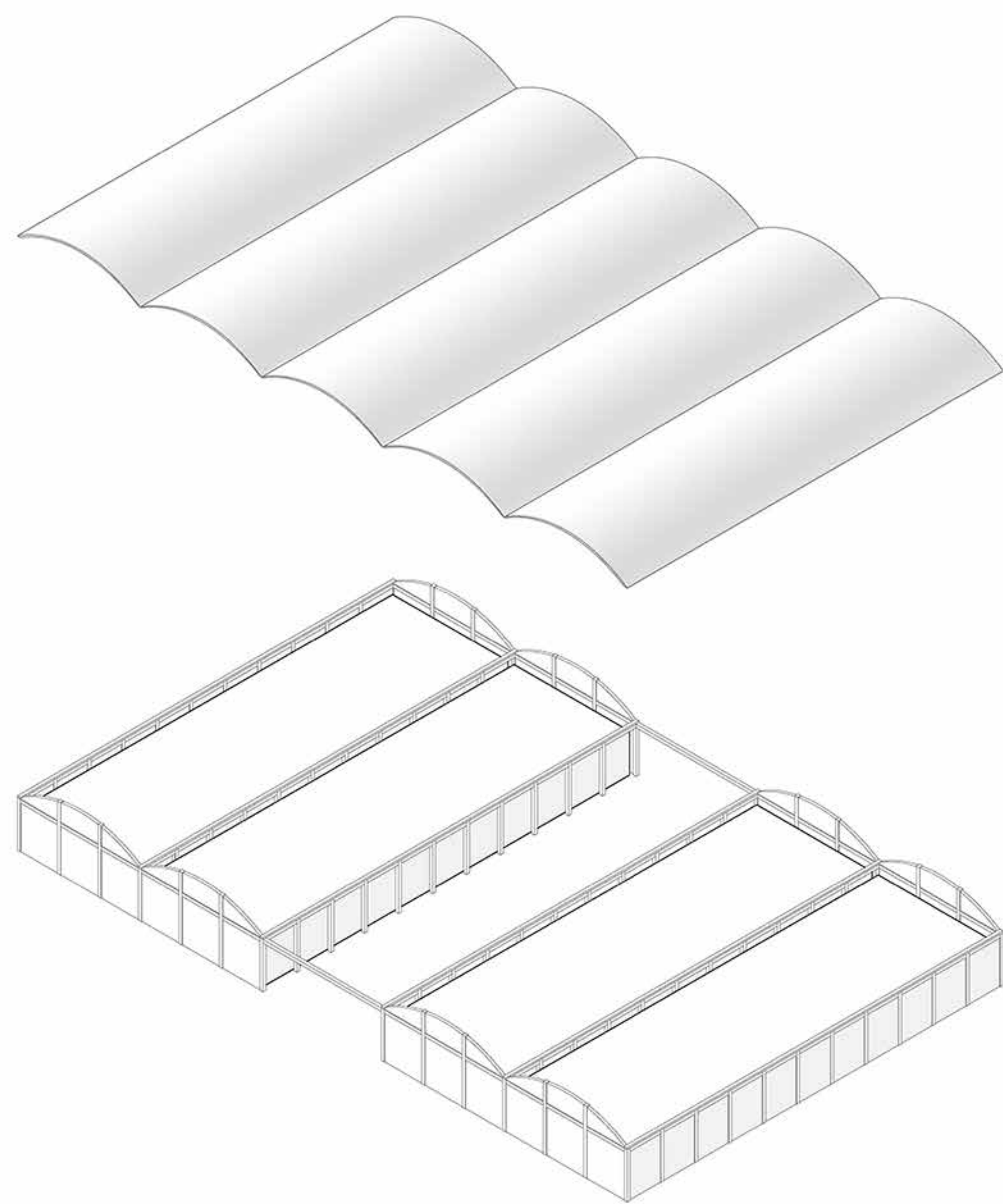
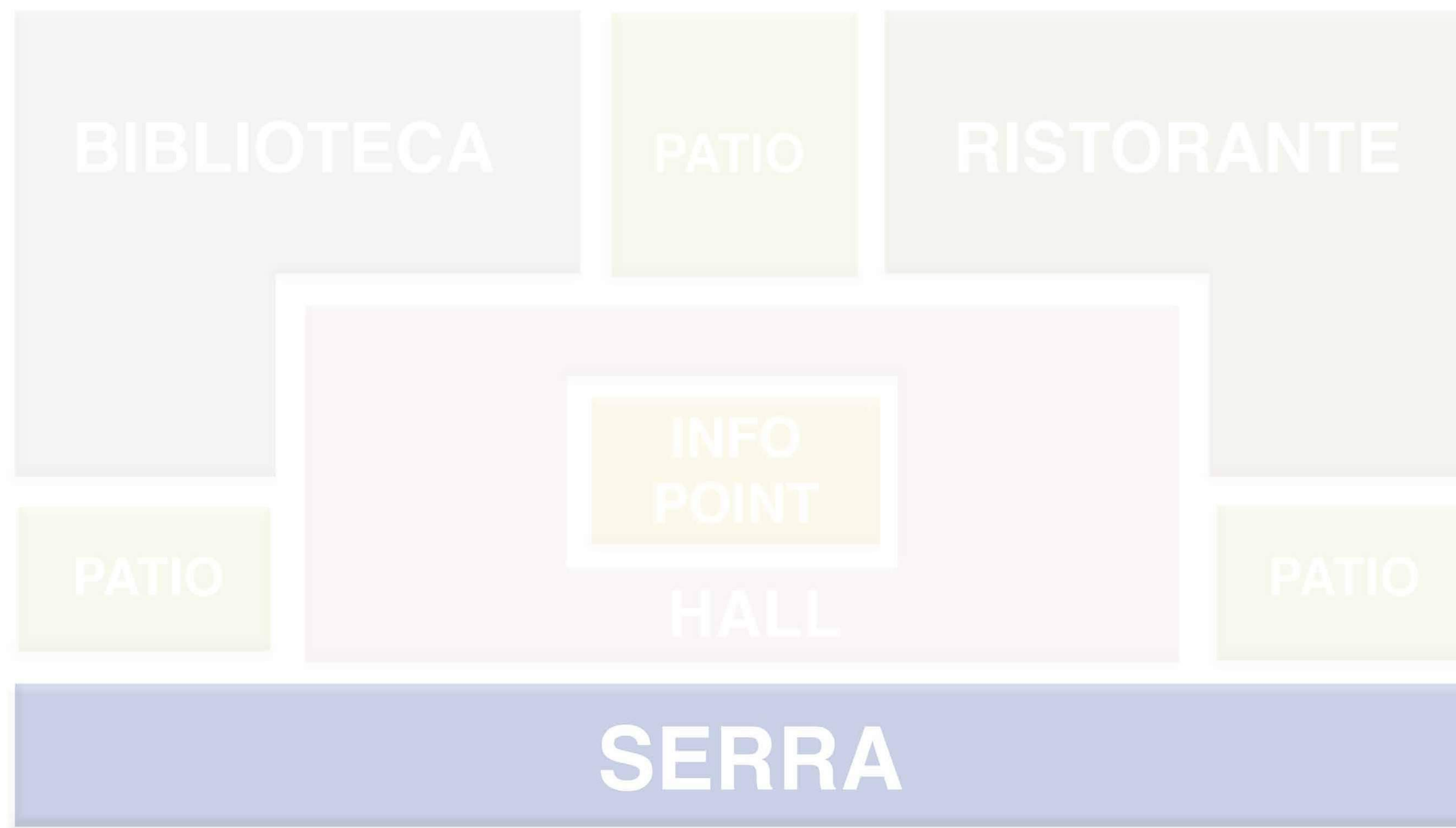
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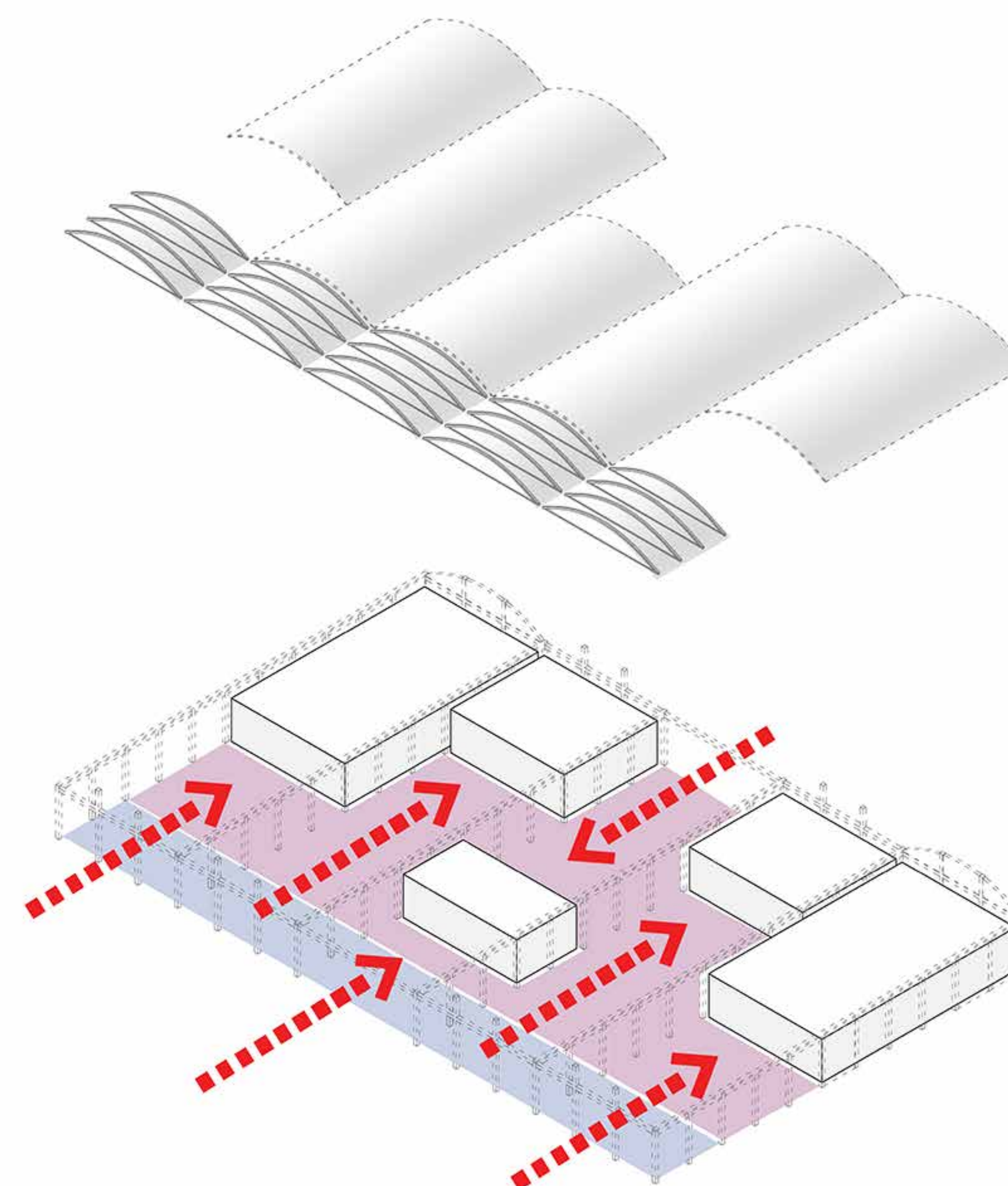
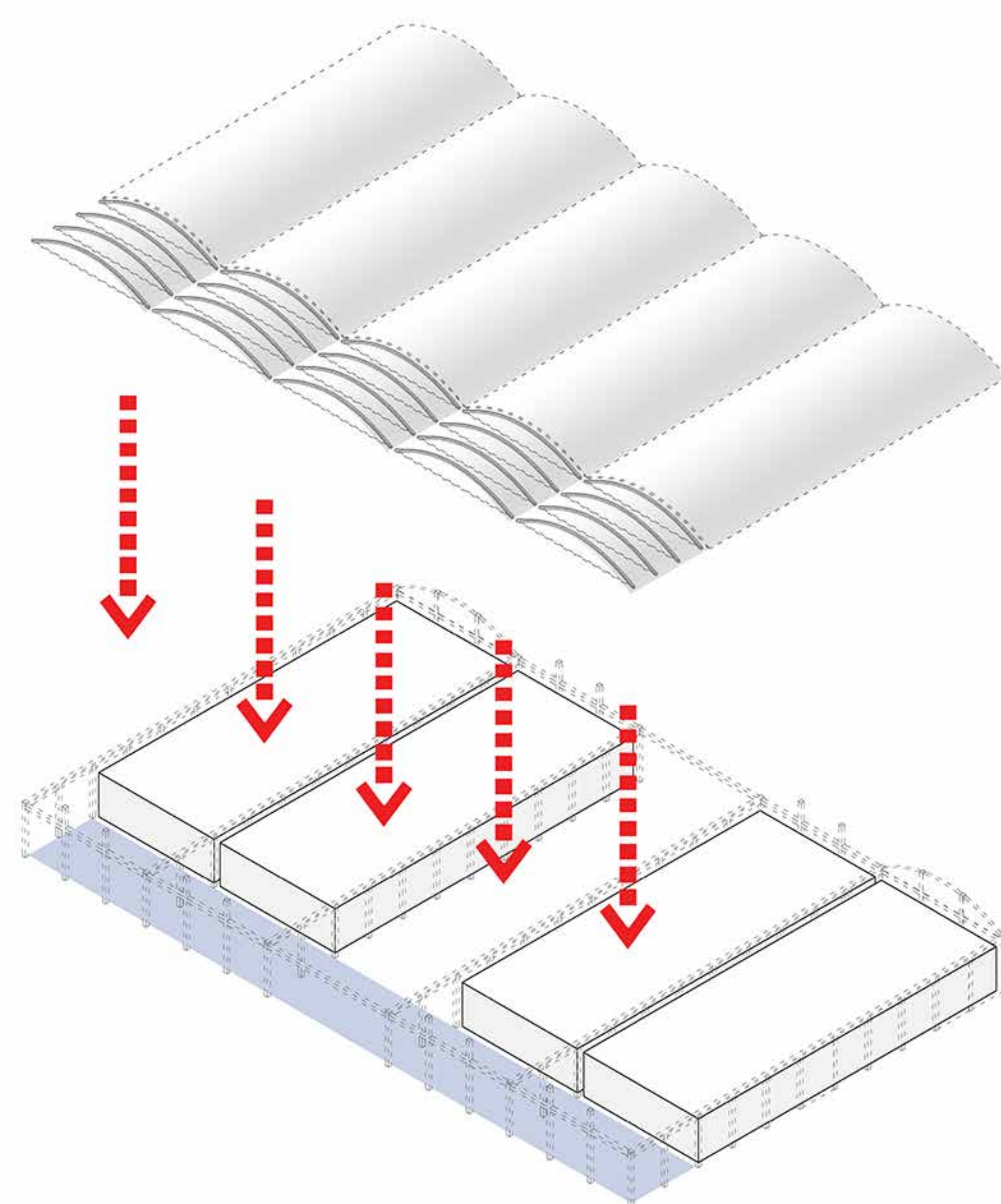
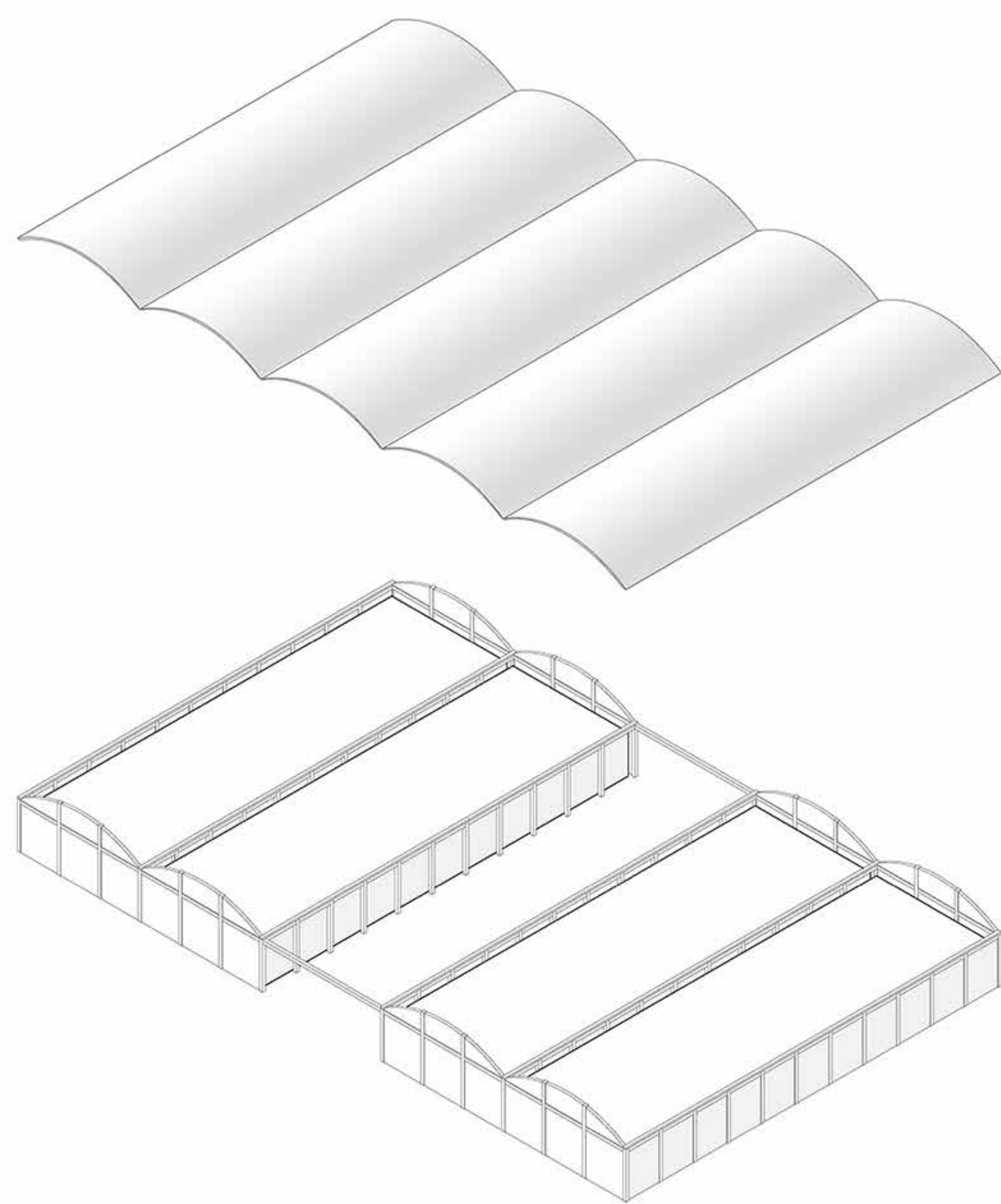


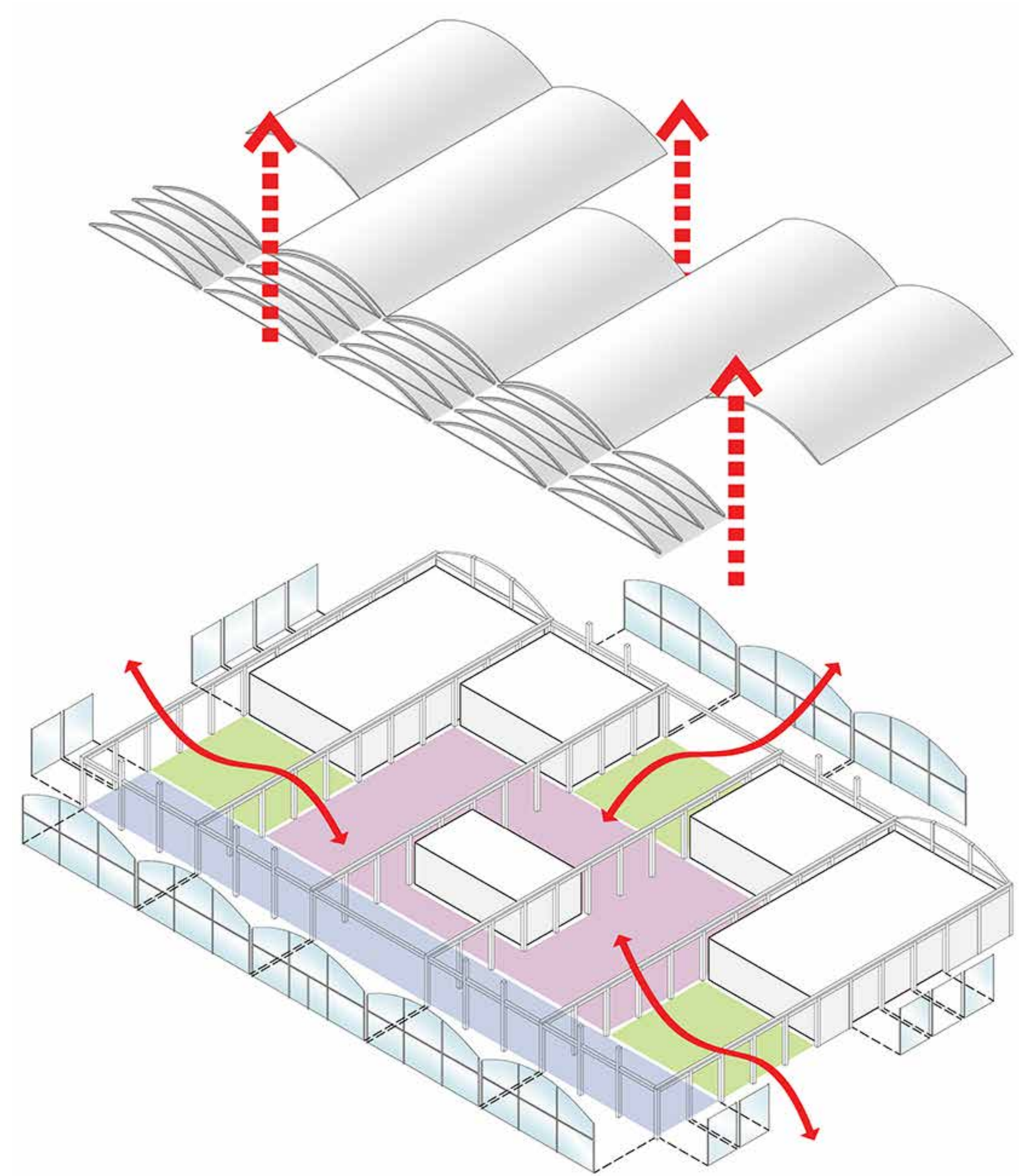
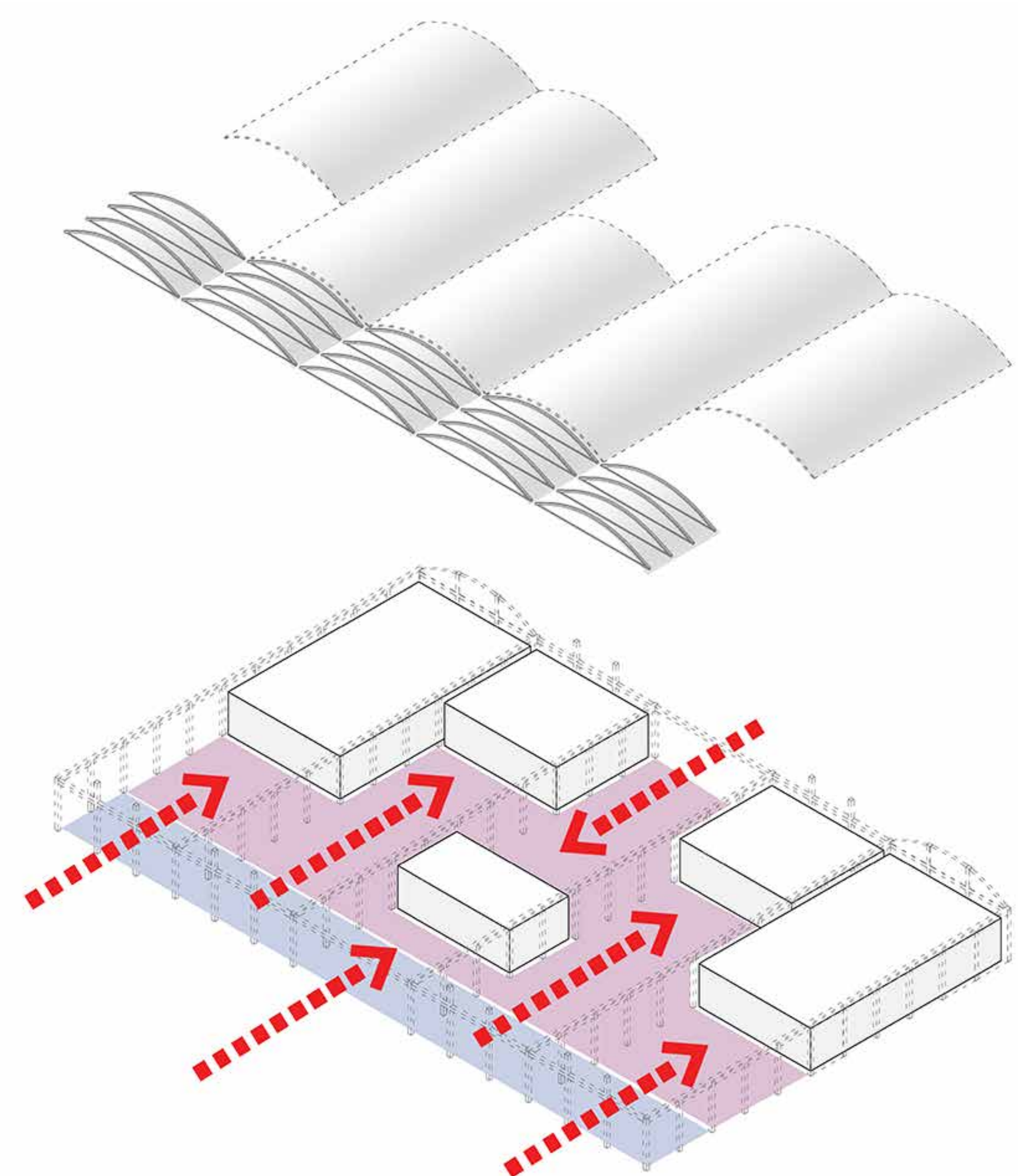
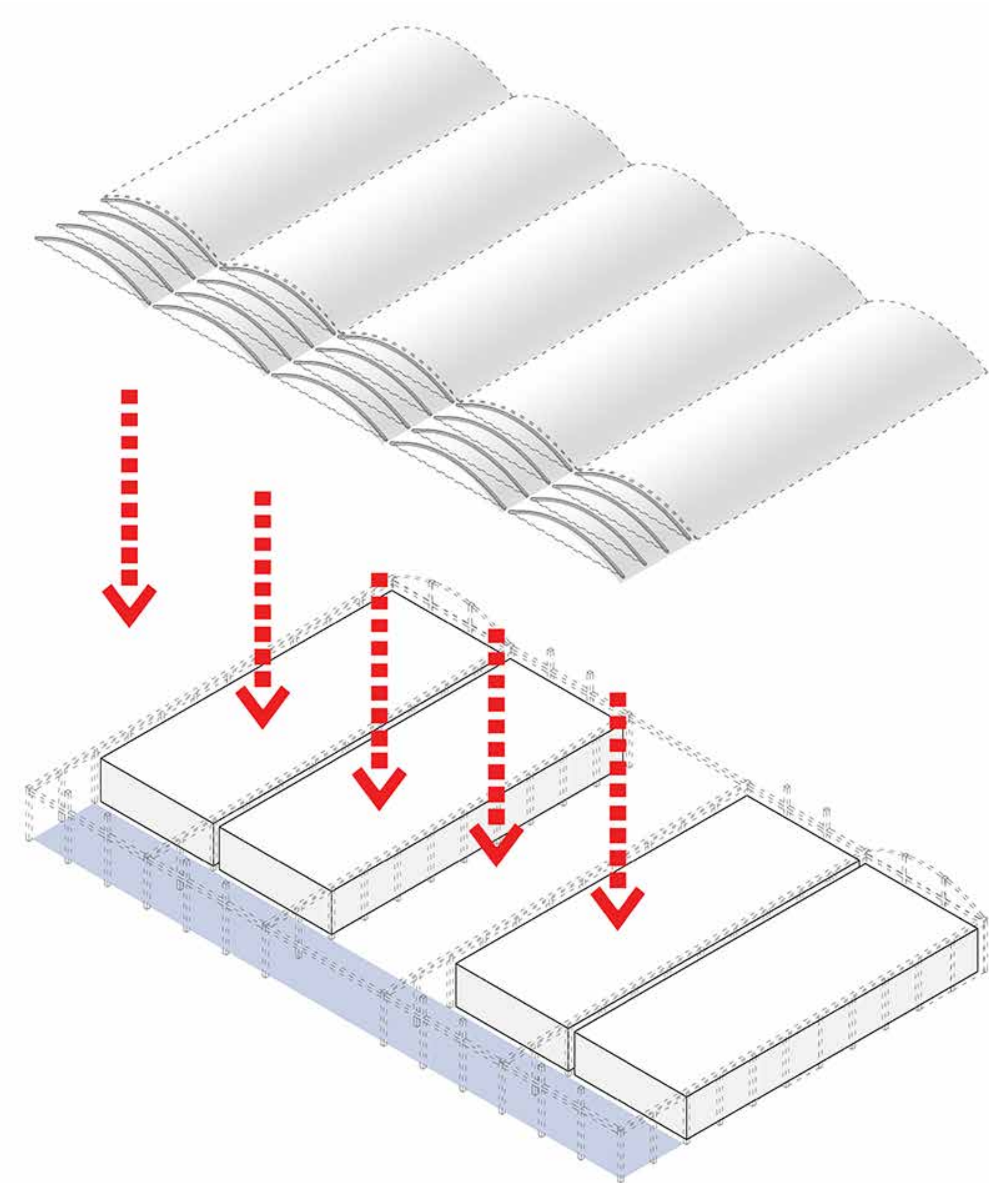
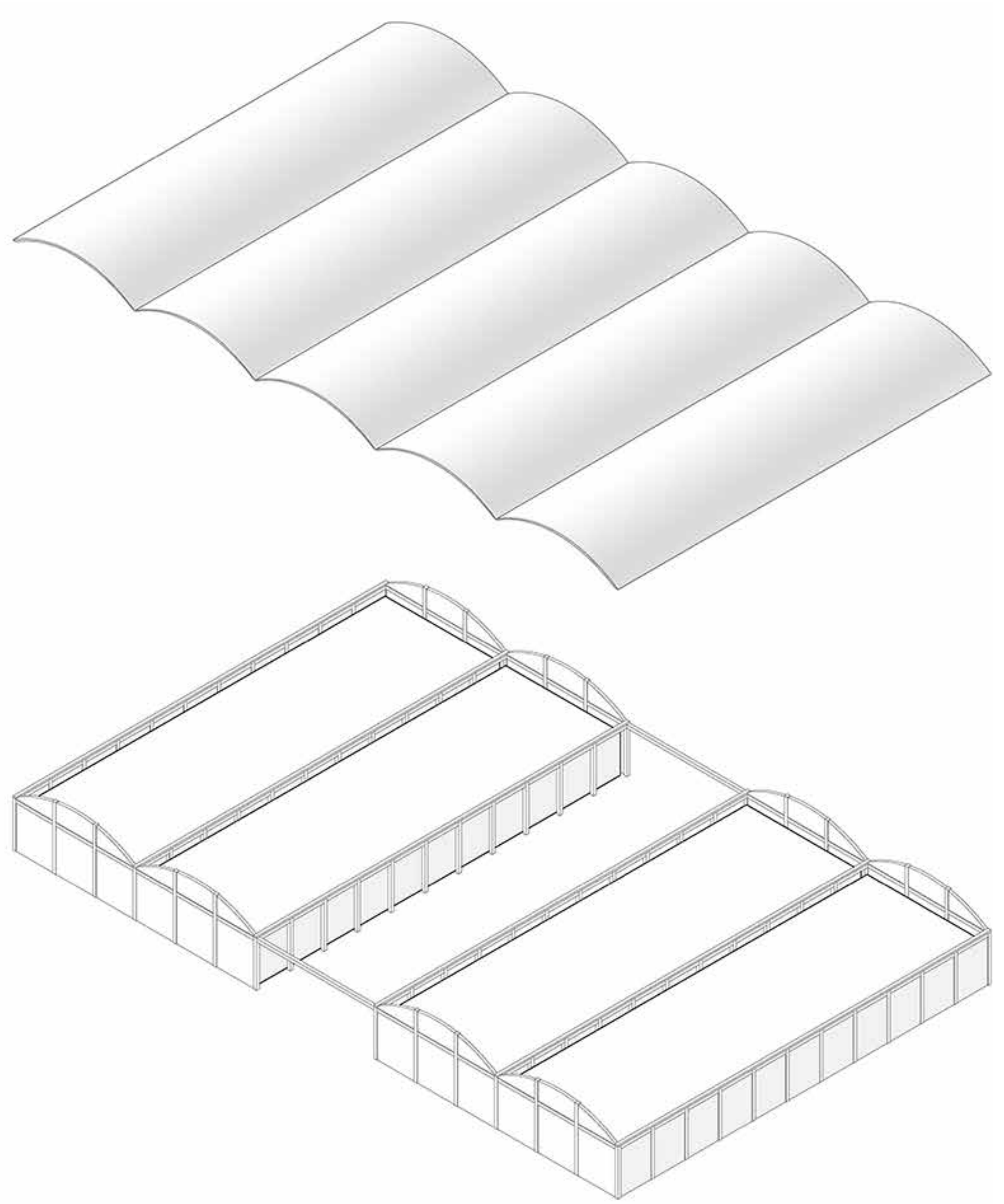
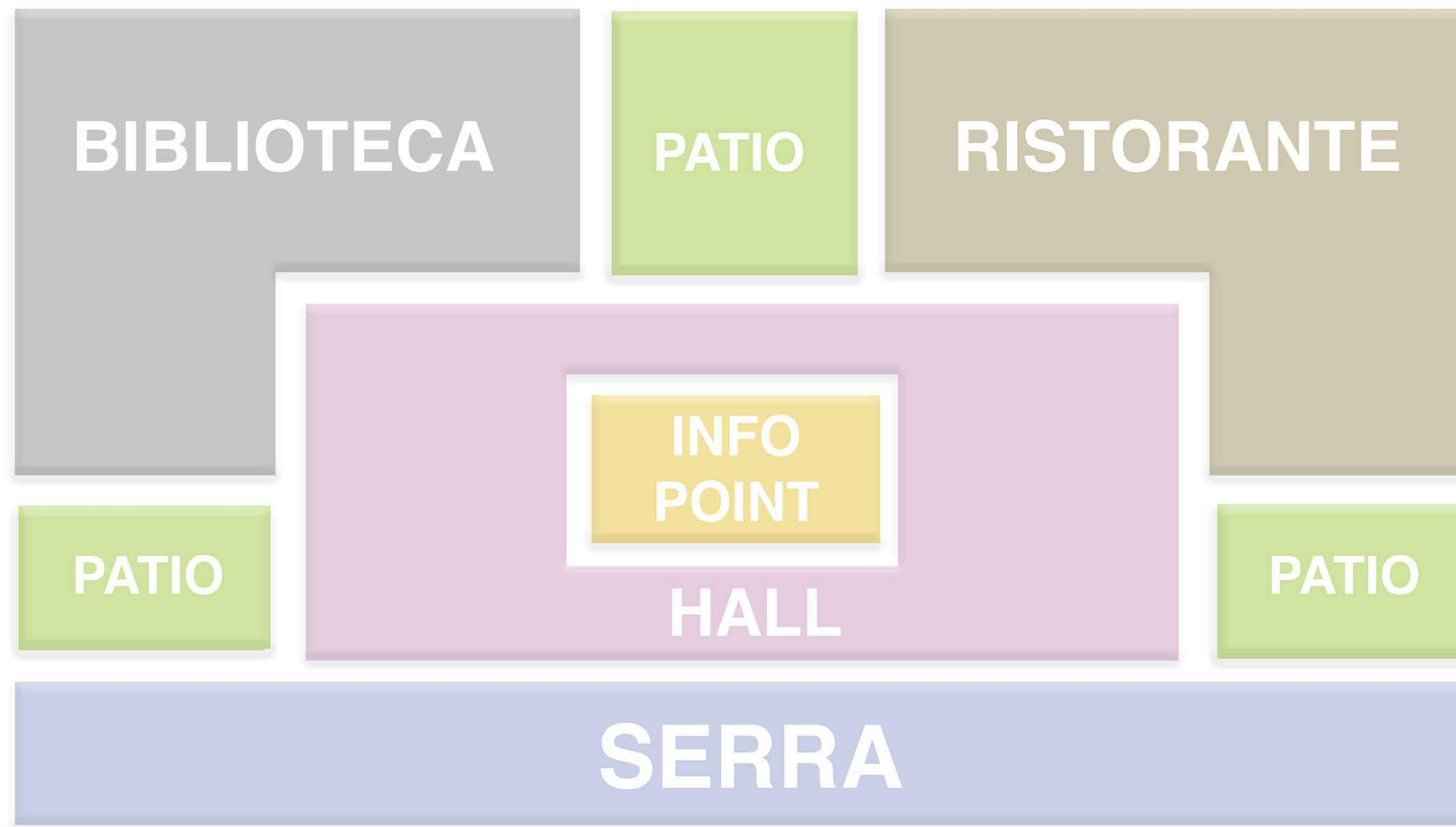


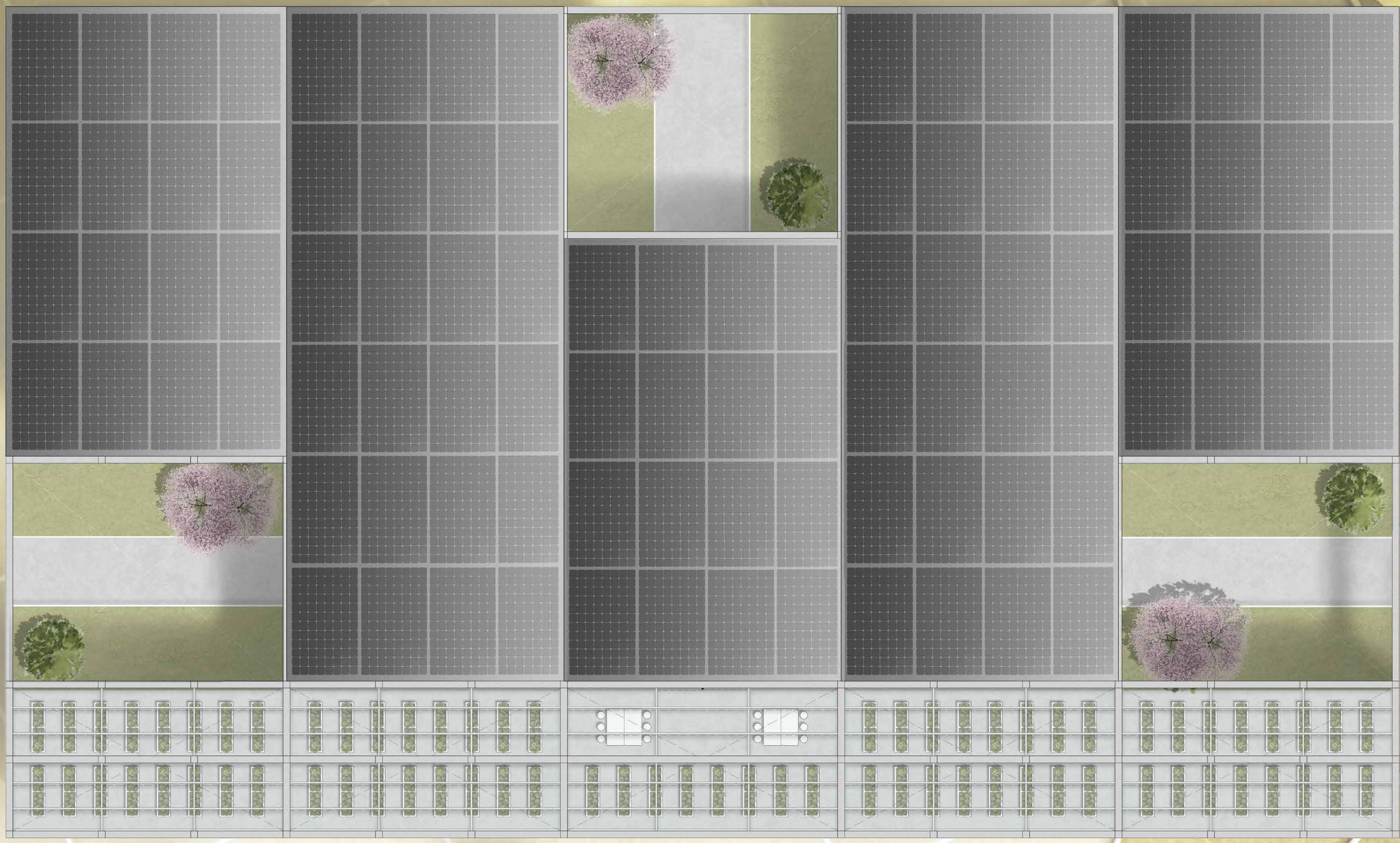
PLANIMETRIA GENERALE_coperture capannoni O-AE e sezione territoriale longitudinale



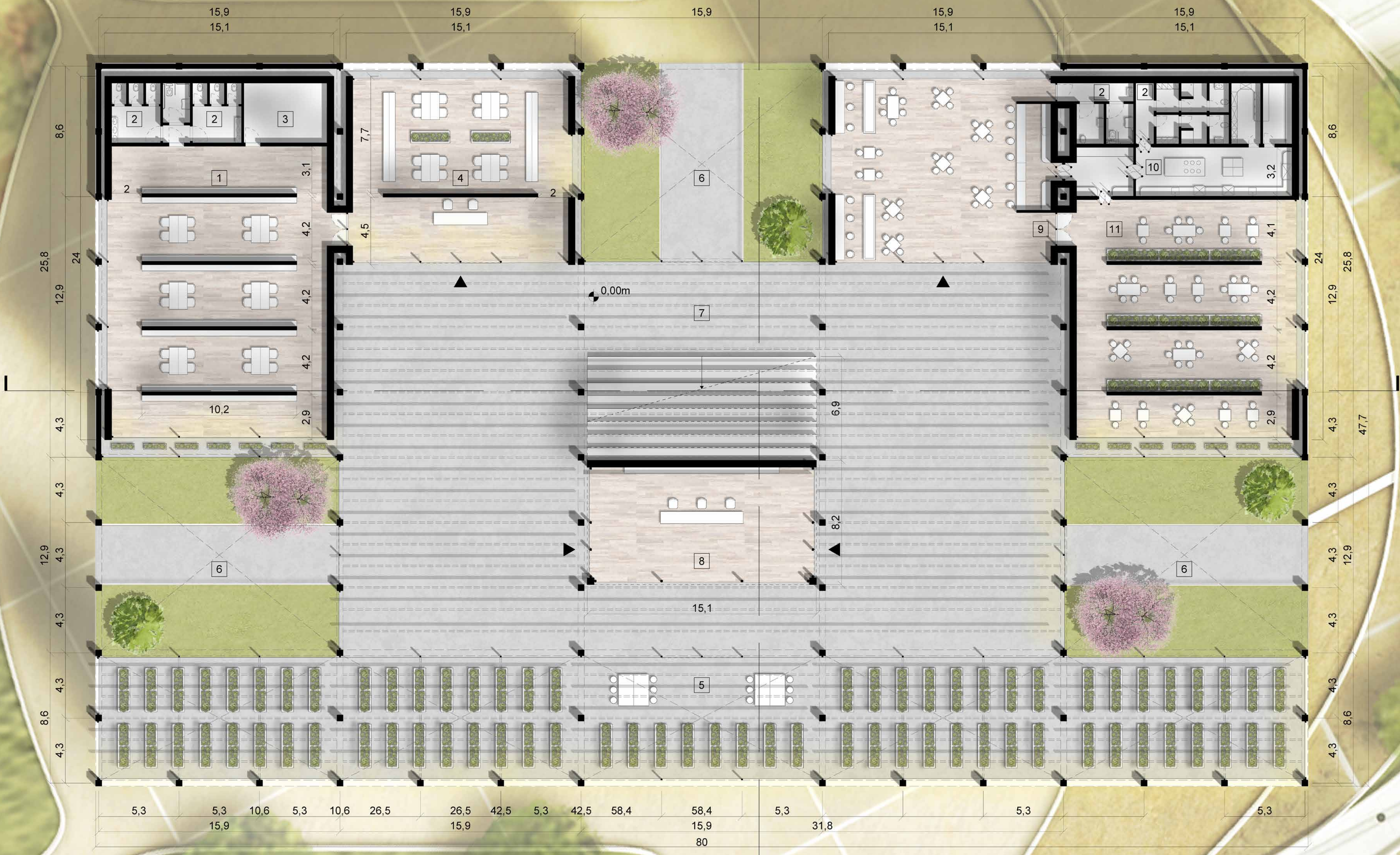








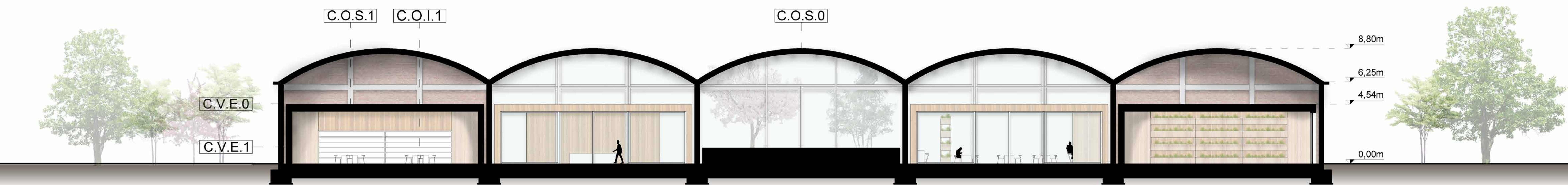
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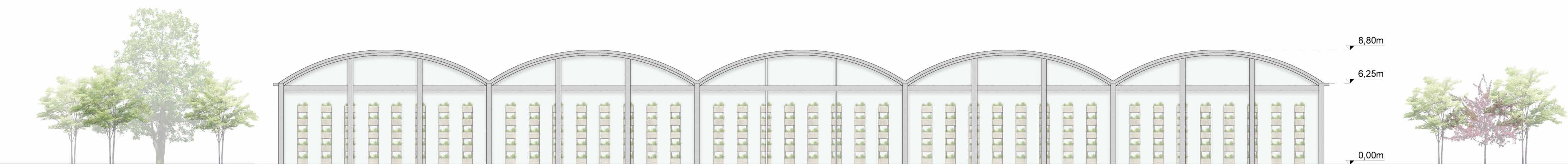
PIANTA PIANO TERRA

LEGENDA

- | | | | |
|---------------------|----------------------|------------------------|----------------------|
| 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 |



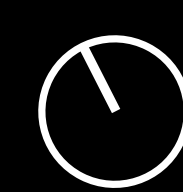
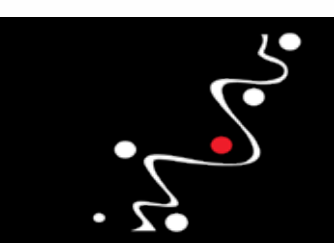
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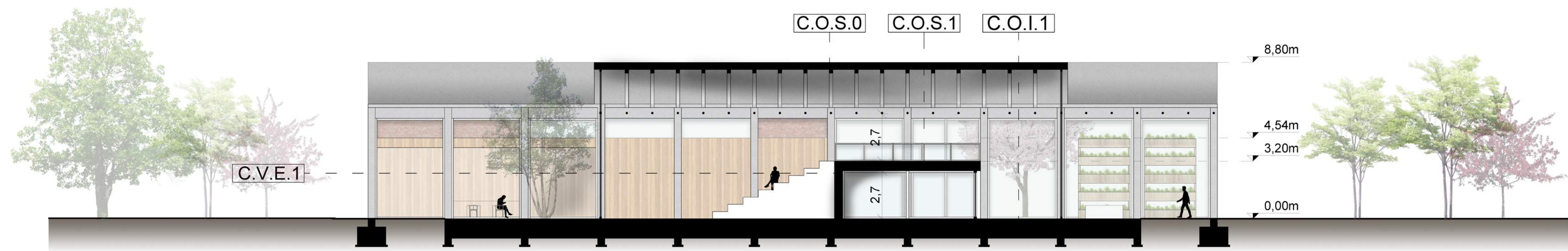


PROSPETTO SUD



PROSPETTO NORD





SEZIONE LONGITUDINALE



PROSPETTO EST



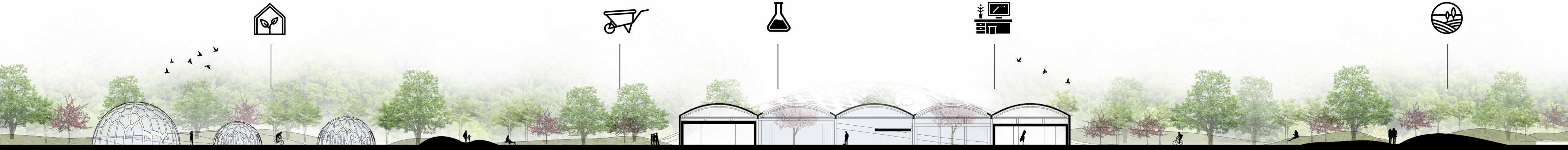
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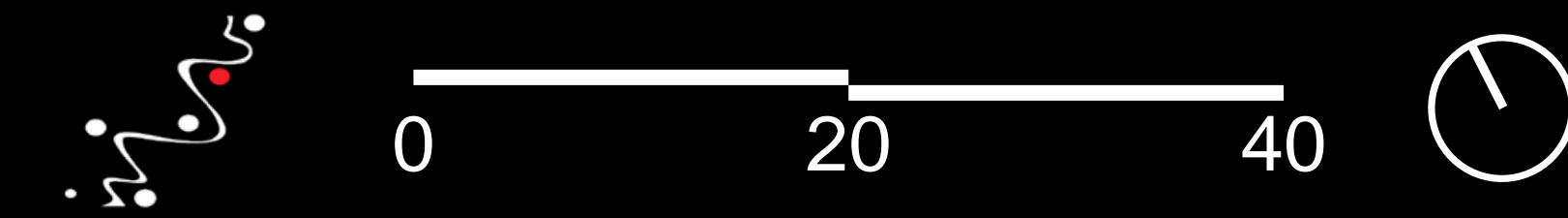
VISTA ESTERNA CAPANNONE O

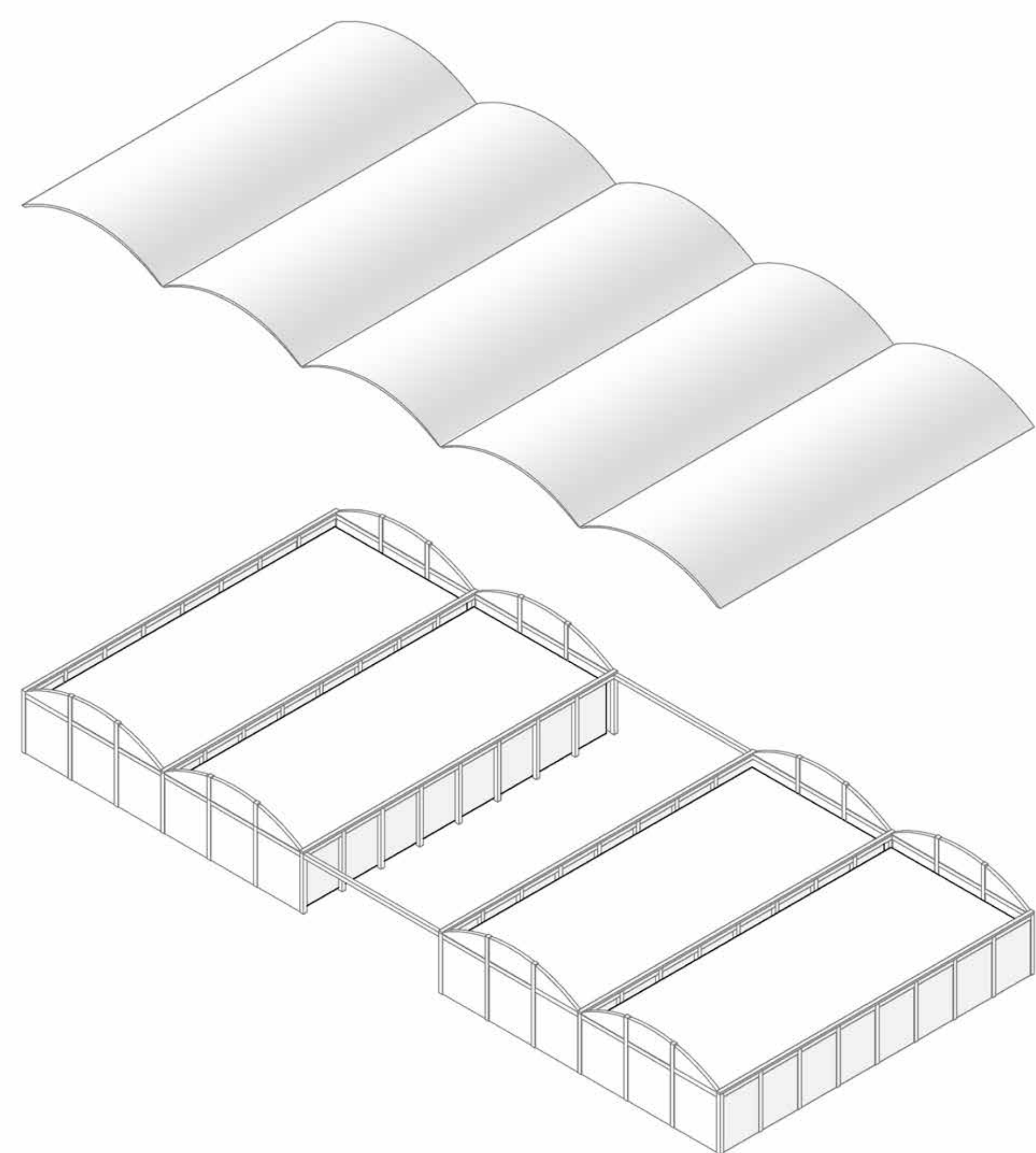
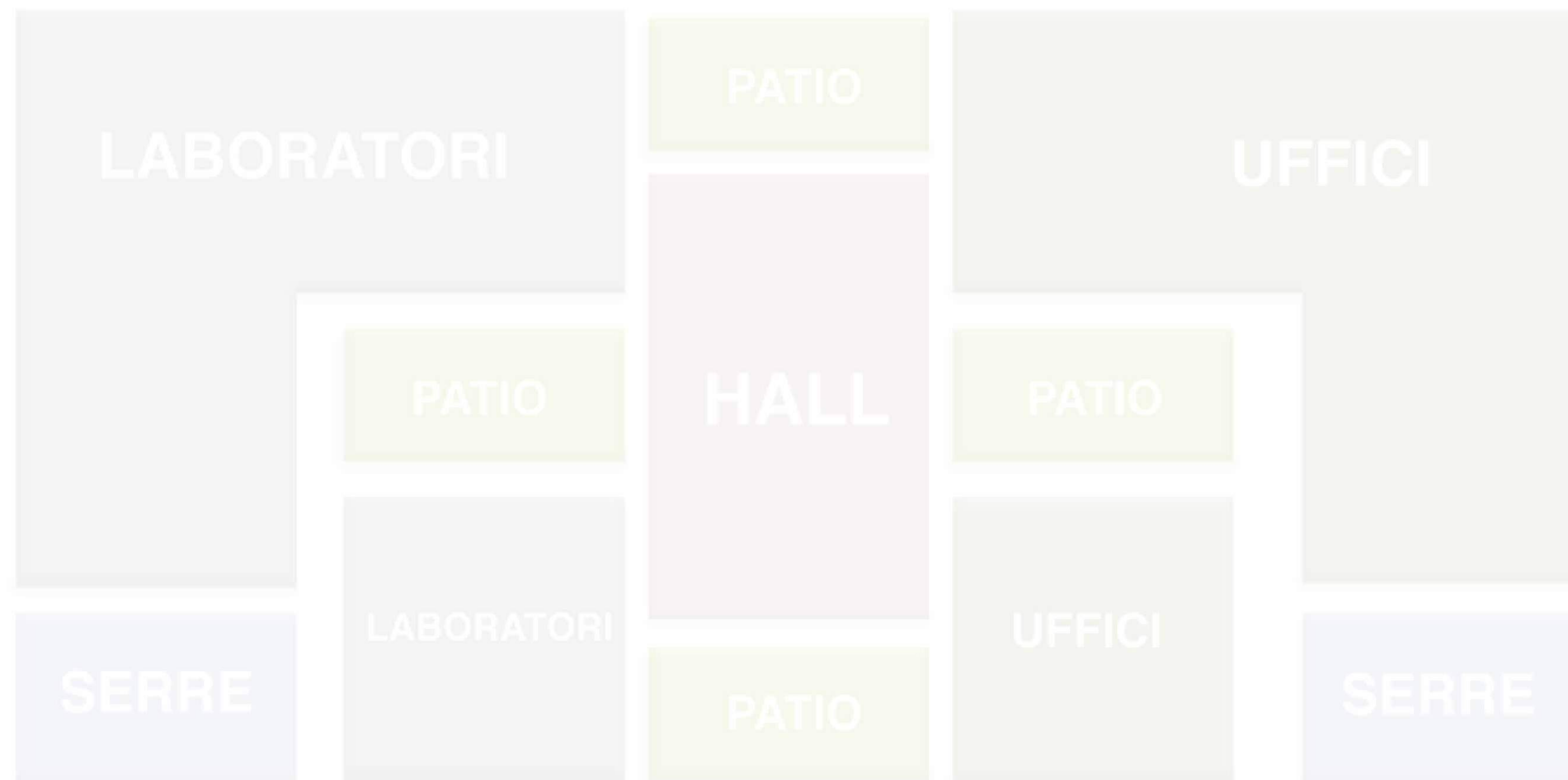


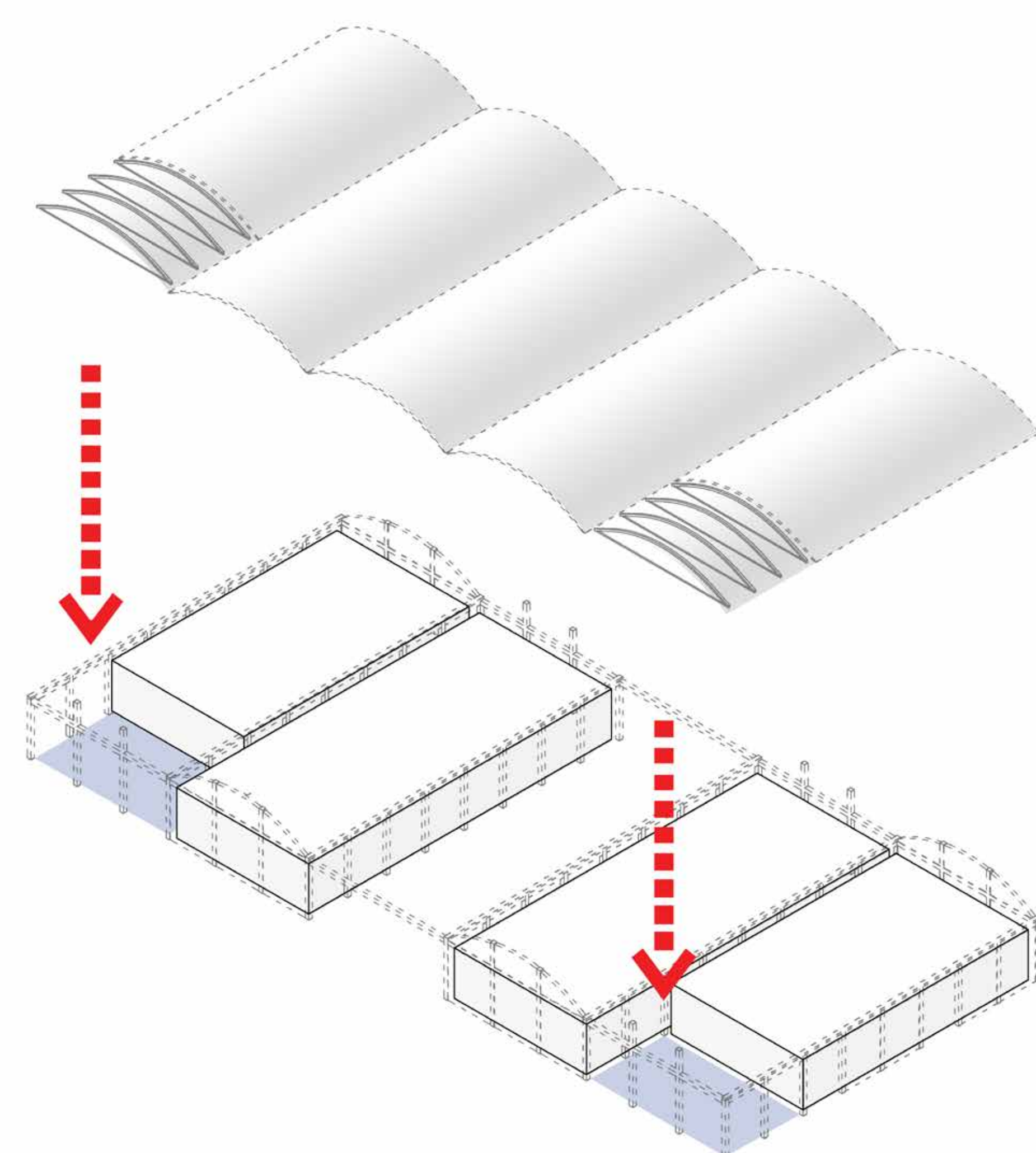
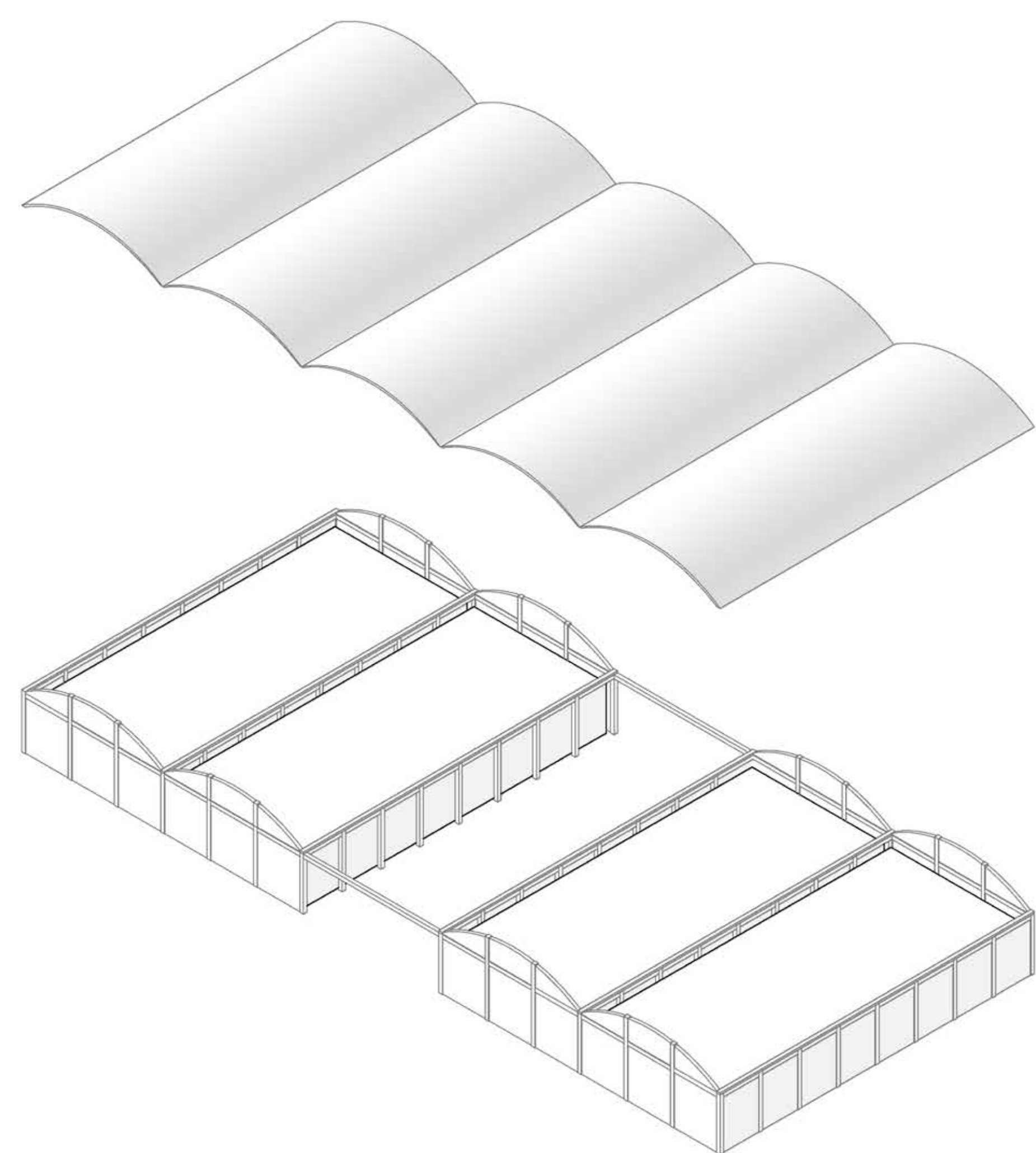
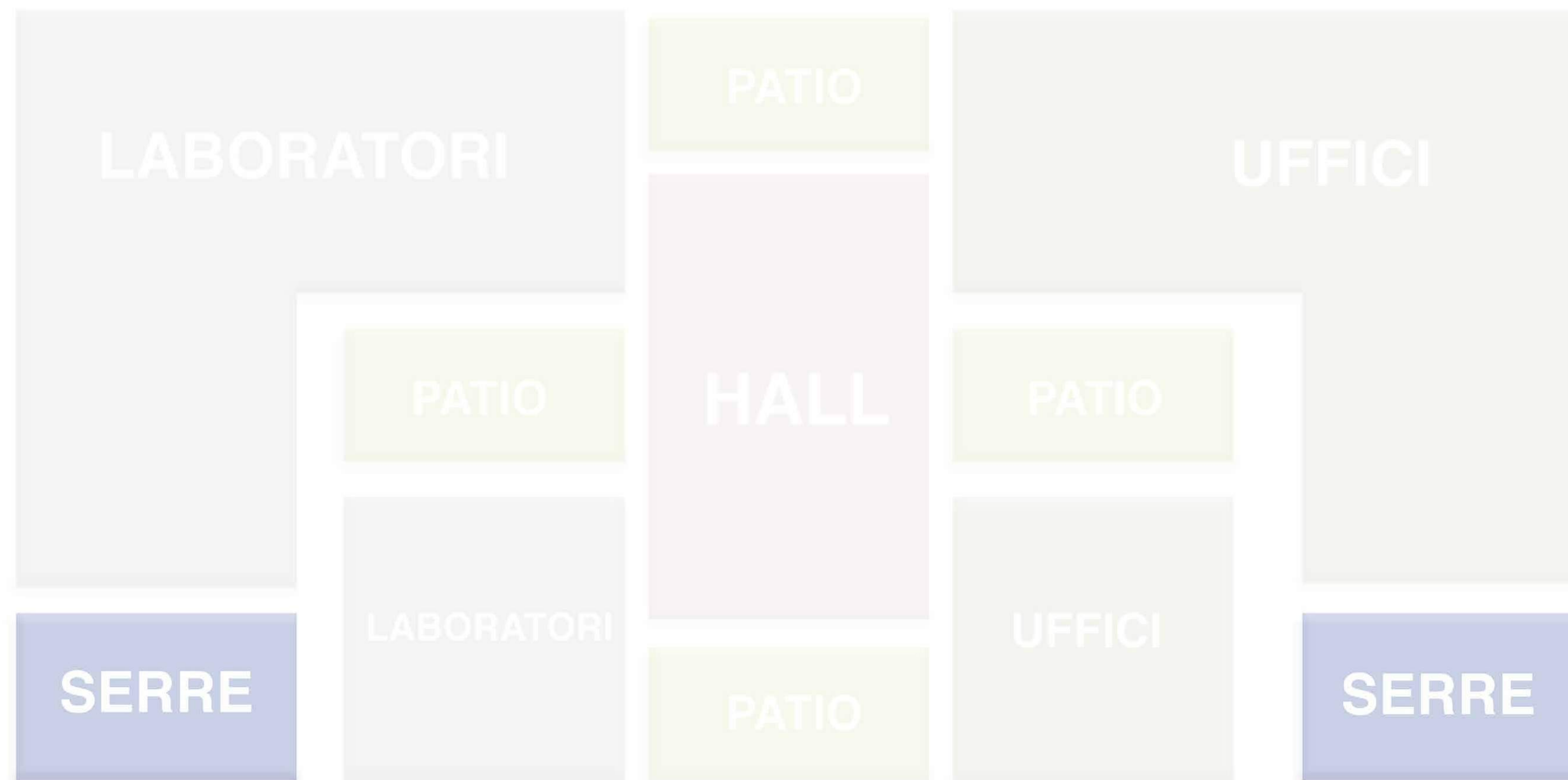
GALLIERA
NUOVO
CENTRO
AGRI-TECH

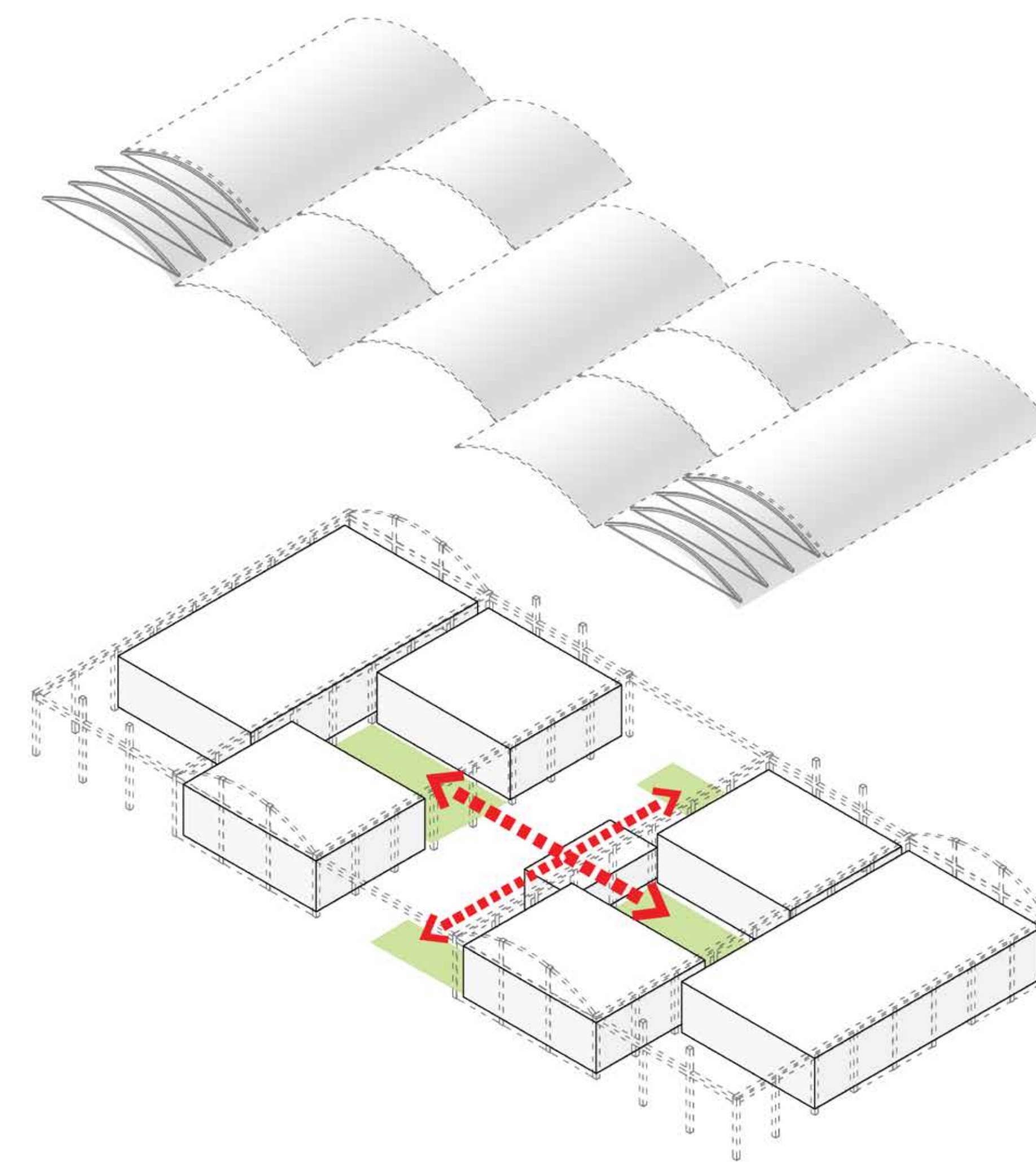
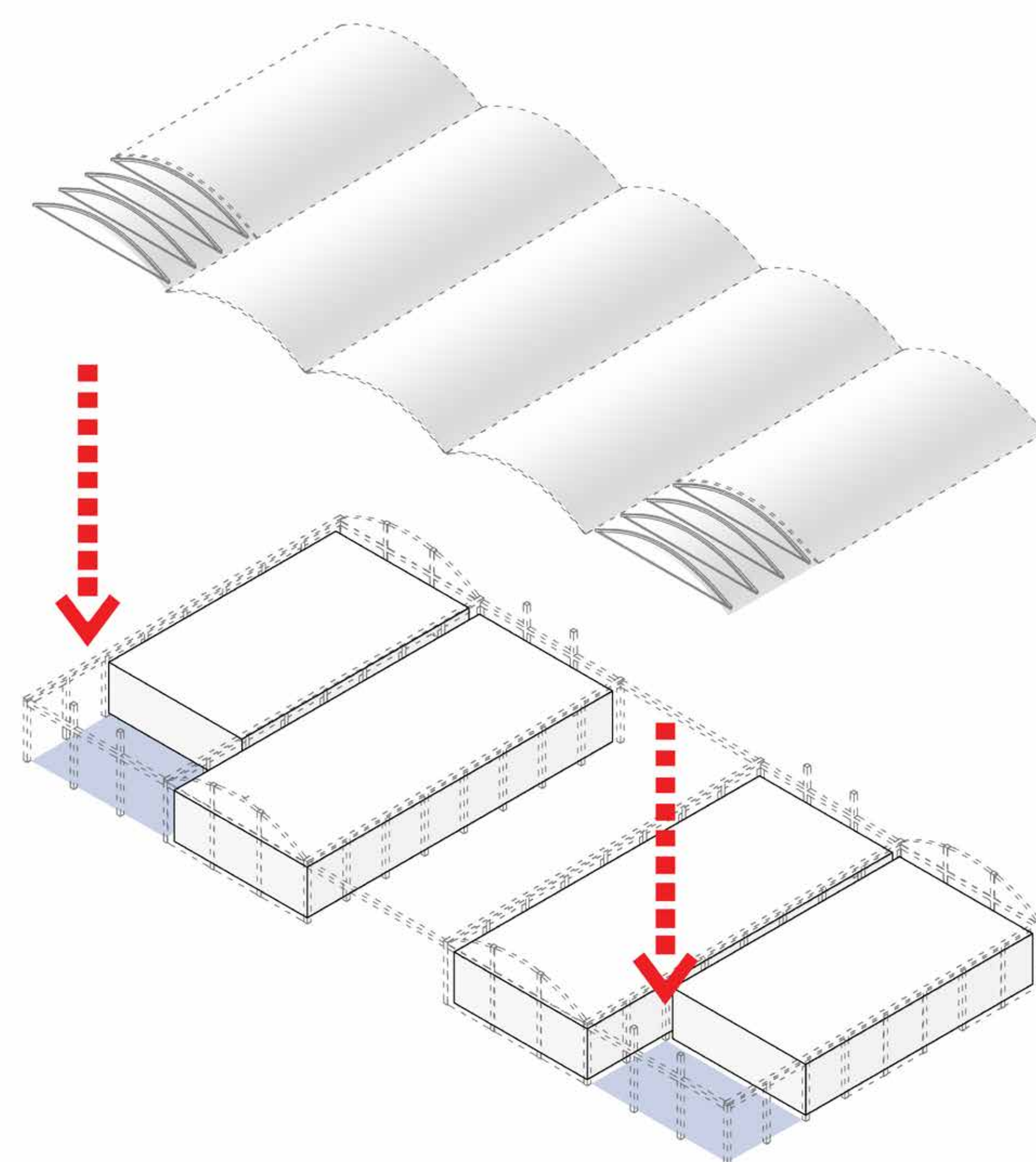
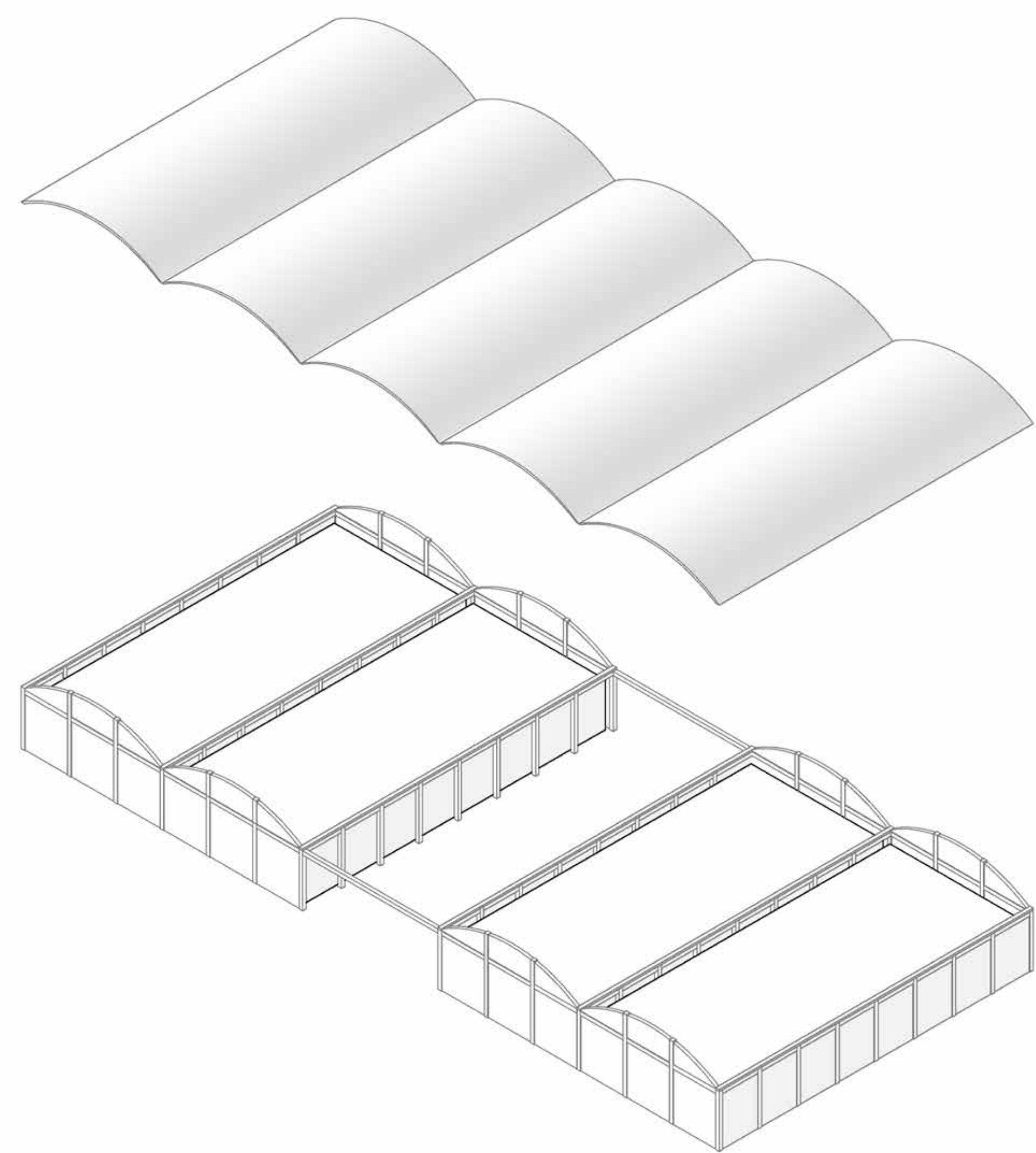
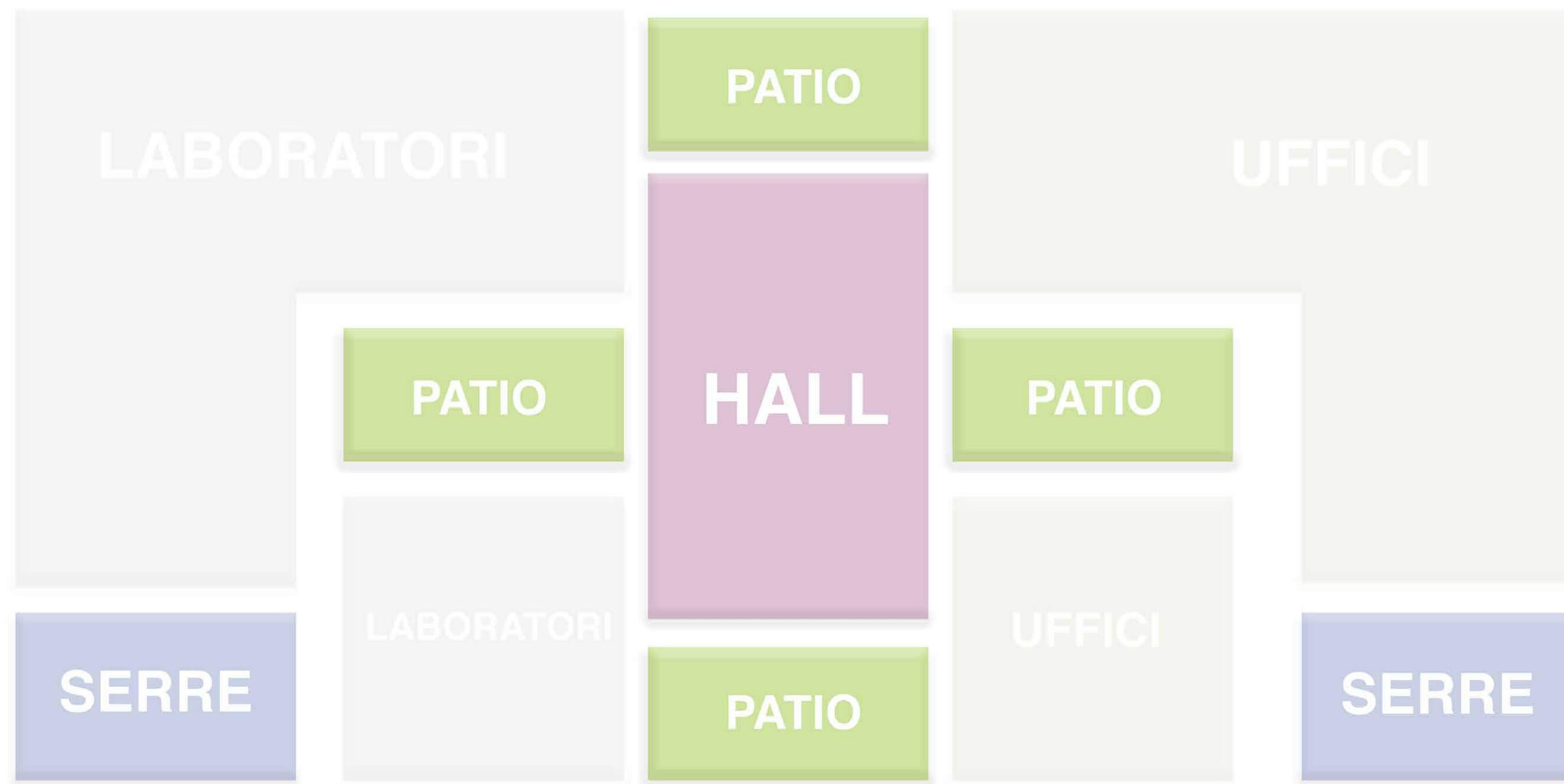


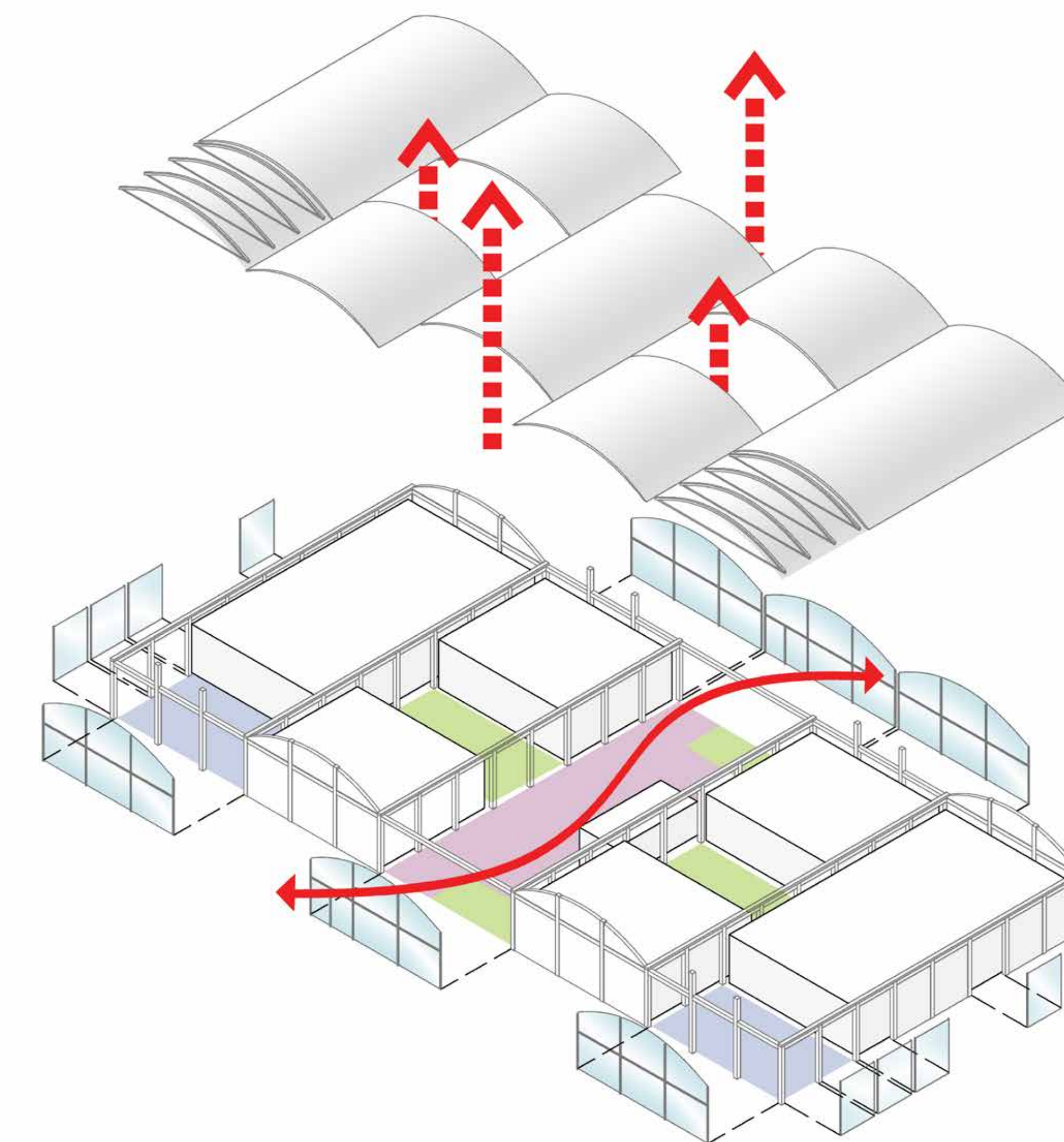
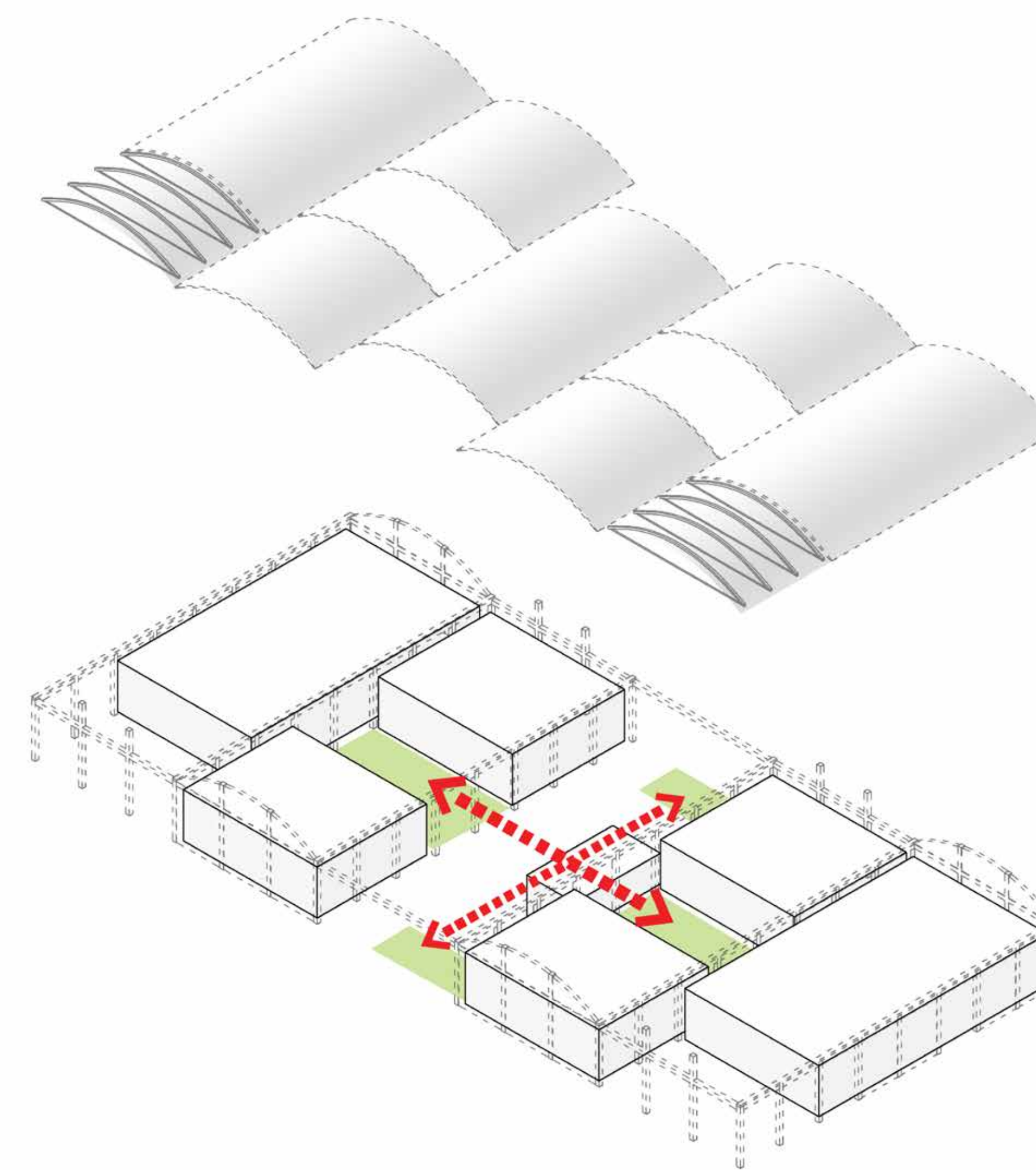
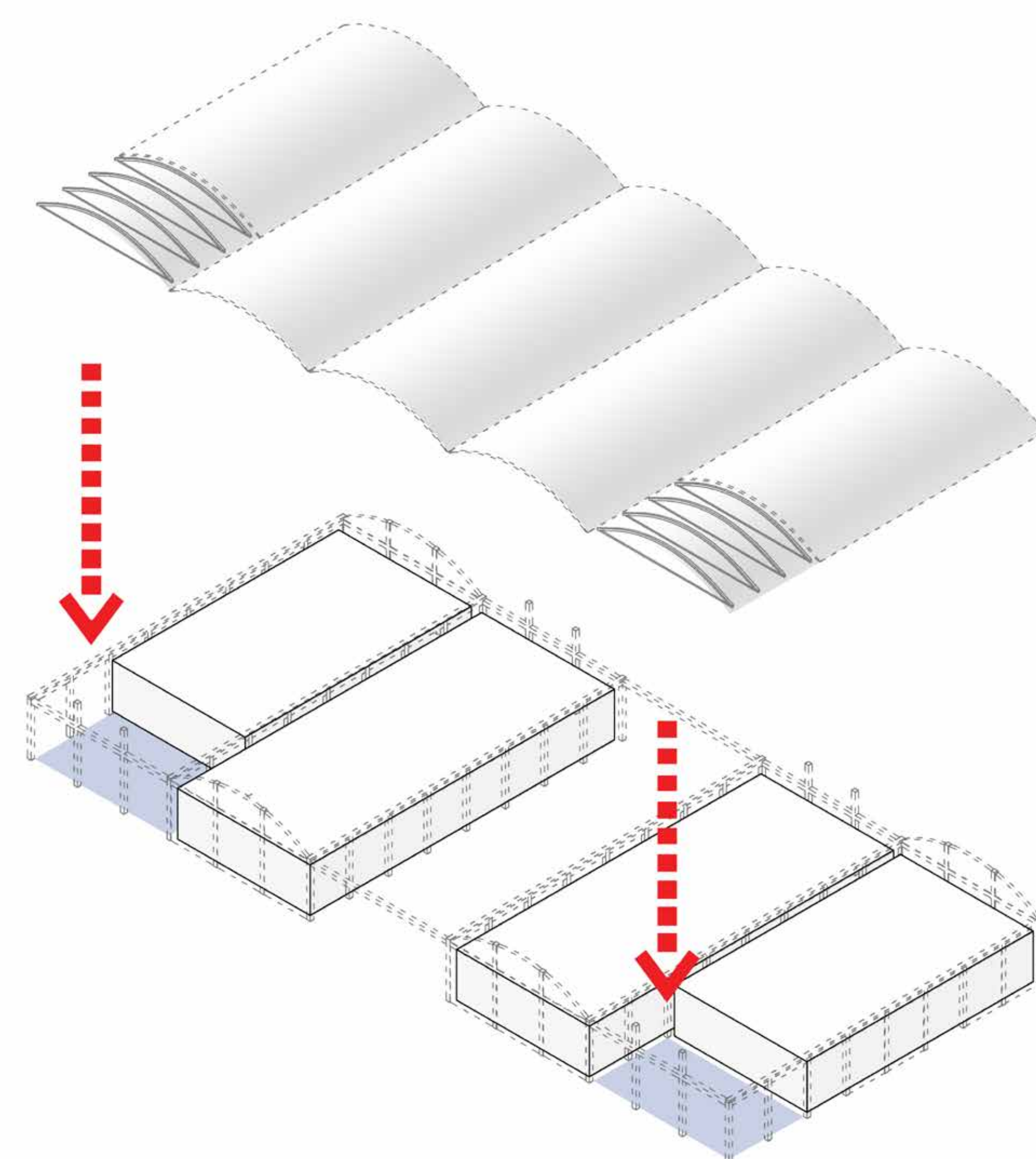
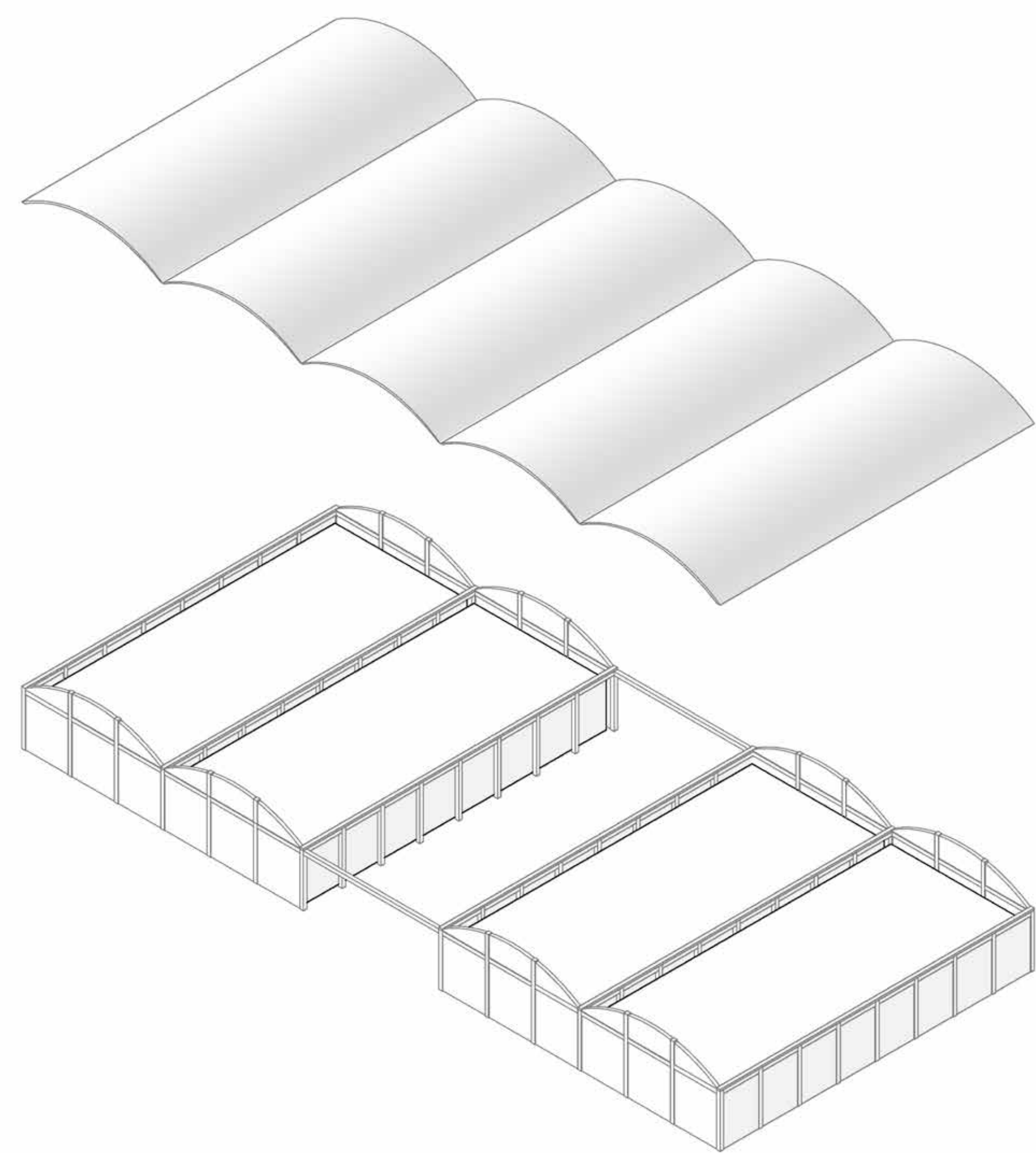
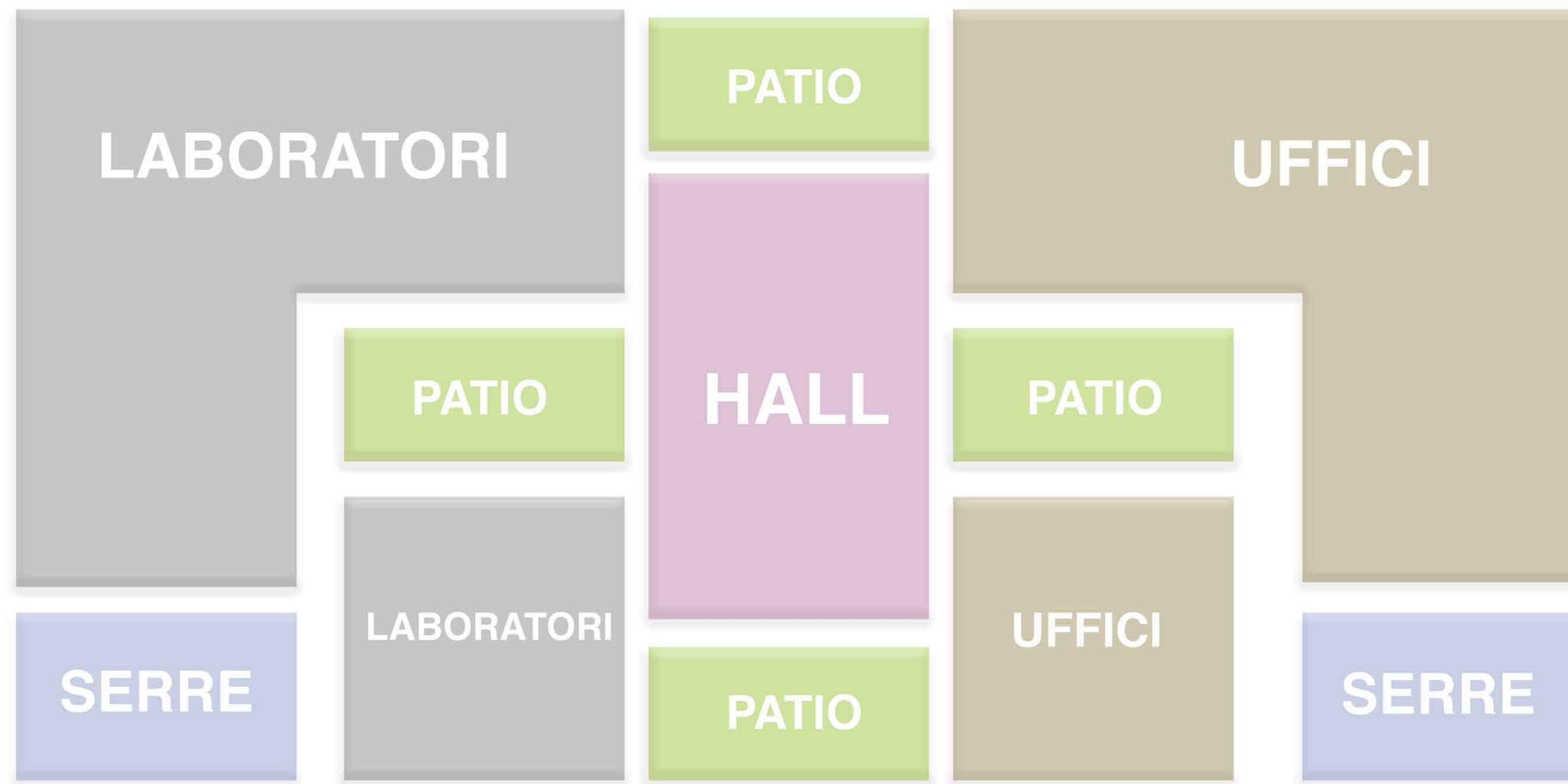
PLANIMETRIA GENERALE_attacco a terra capannoni O-AE e sezione territoriale longitudinale

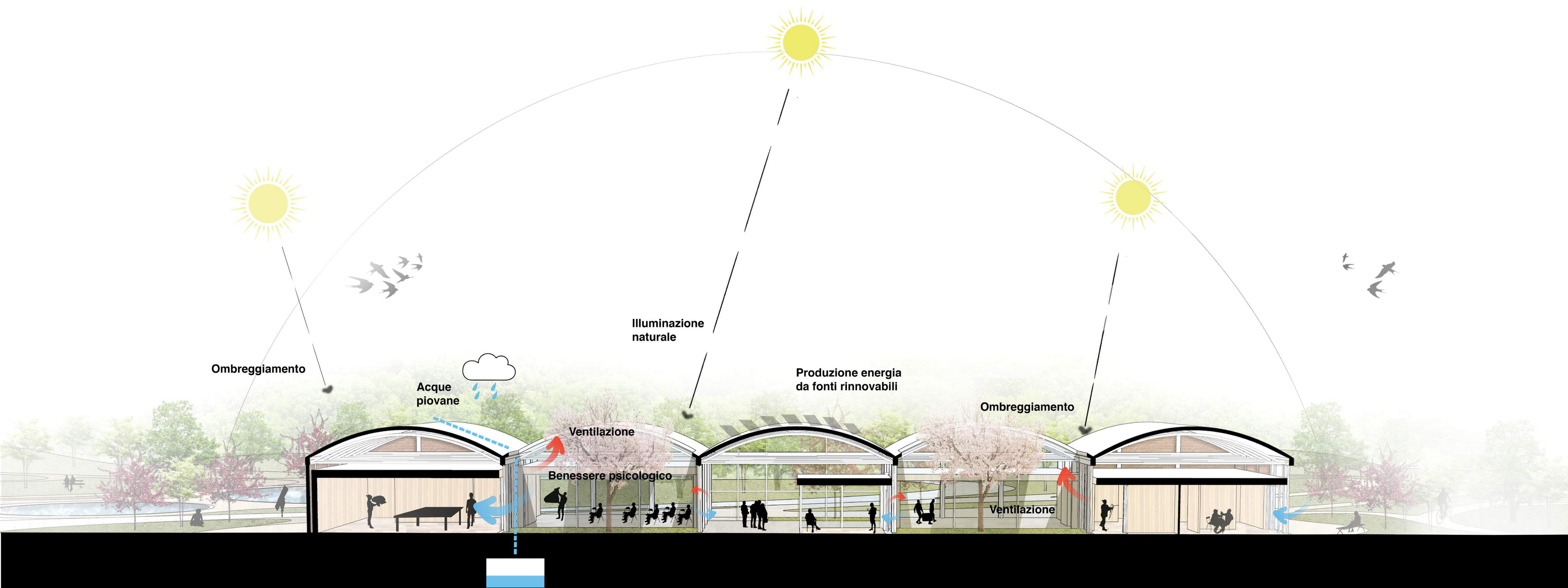
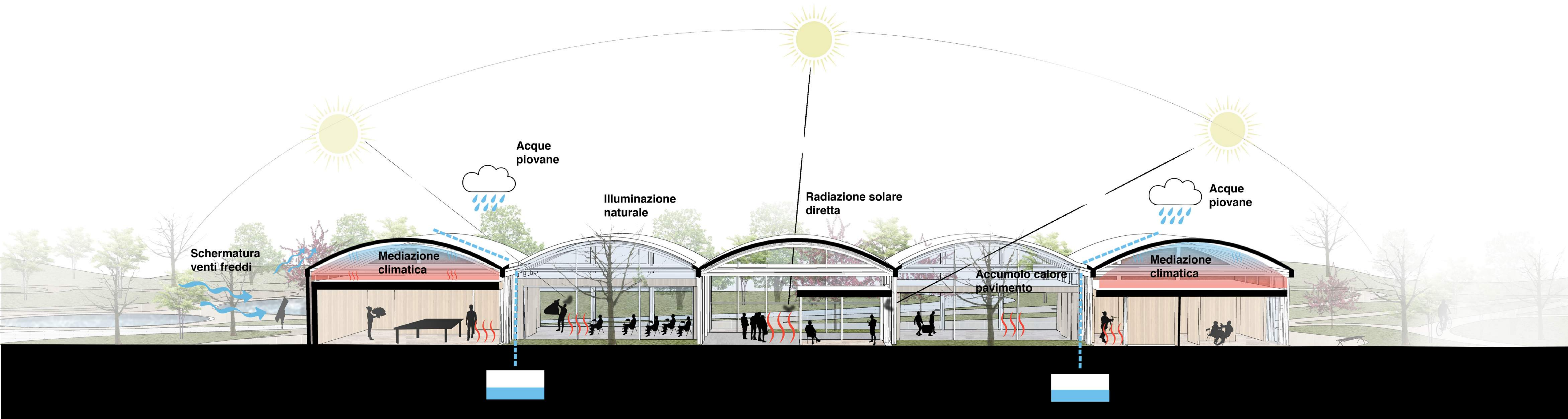


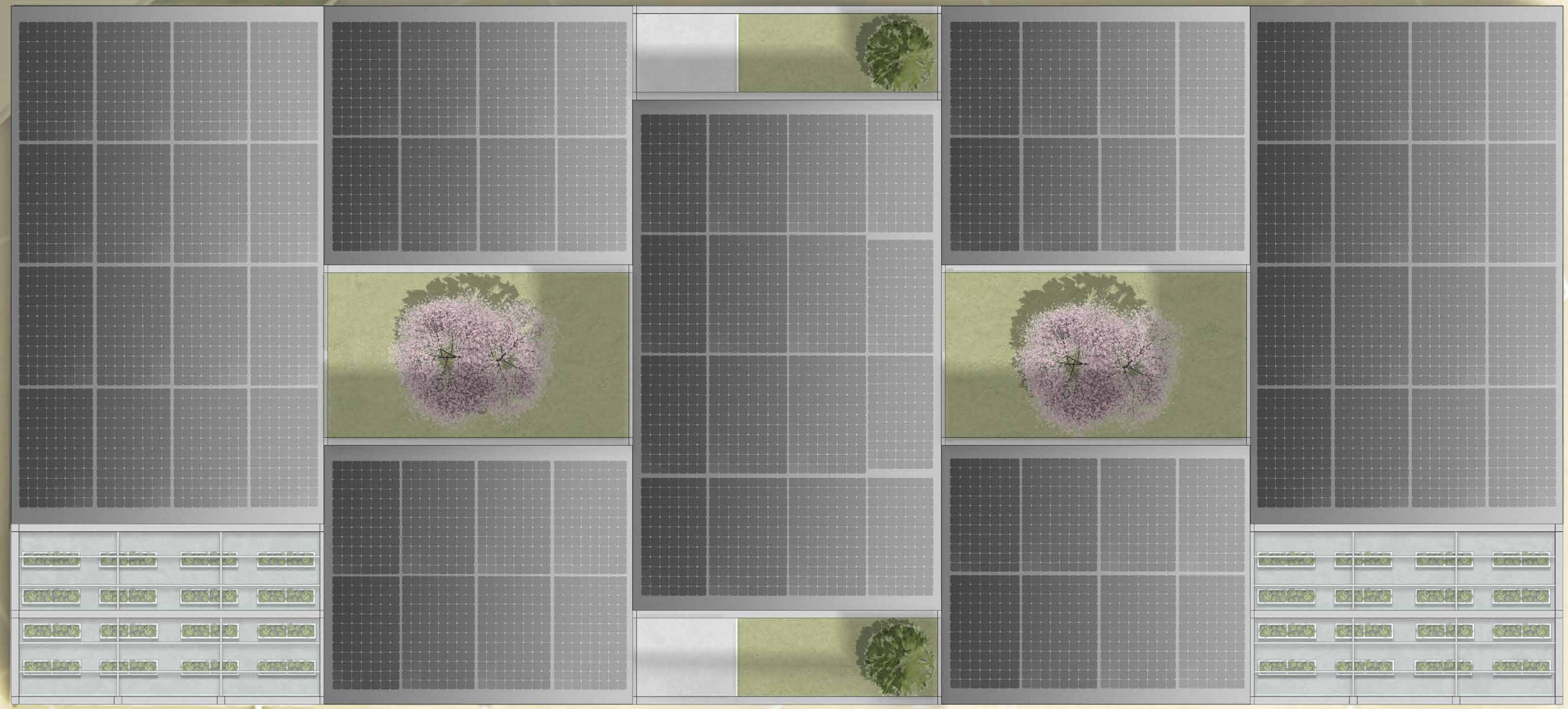












PIANTA PIANO COPERTURA



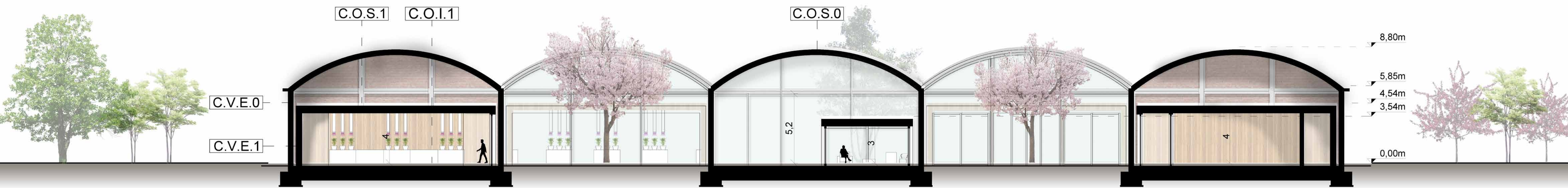
PIANTA PIANO TERRA

LEGENDA

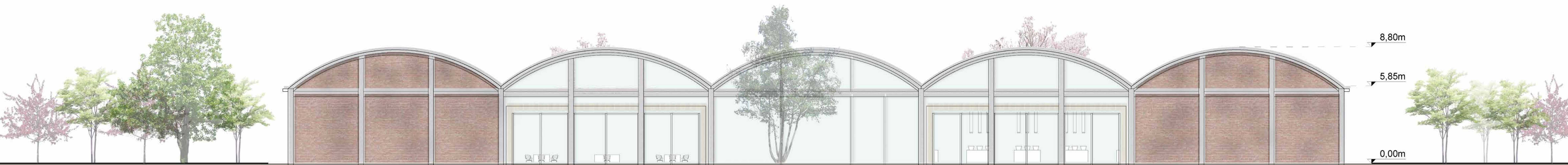
- | | | |
|----------------------|--------------------------|----------------------------|
| 1 LABORATORIO: 632mq | 6 INGRESSO: 140mq | 11 UFFICIO DIRETTORE: 30mq |
| 2 SERVIZI: 75mq | 7 SPAZIO FILTRO: 353mq | 12 CO-WORKING: 49mq |
| 3 MAGAZZINO: 34mq | 8 FRONT OFFICE: 60mq | 13 BREAK ROOM: 51mq |
|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



PIANTA PIANO TERRA



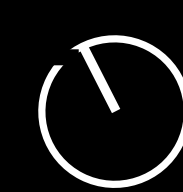
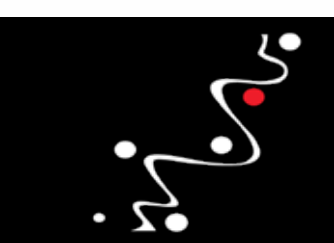
SEZIONE TRASVERSALE

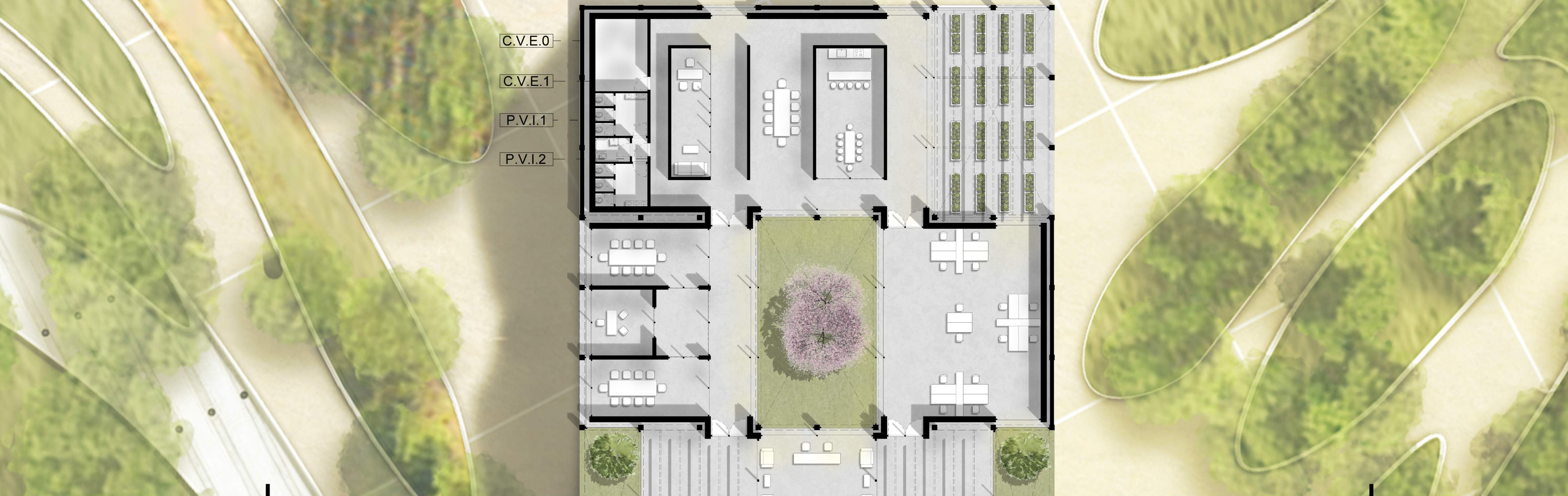


PROSPETTO NORD



PROSPETTO SUD





PIANTA PIANO TERRA



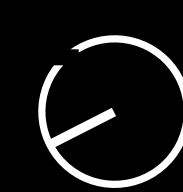
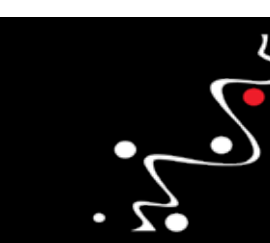
SEZIONE LONGITUDINALE



PROSPETTO EST



PROSPETTO OVEST



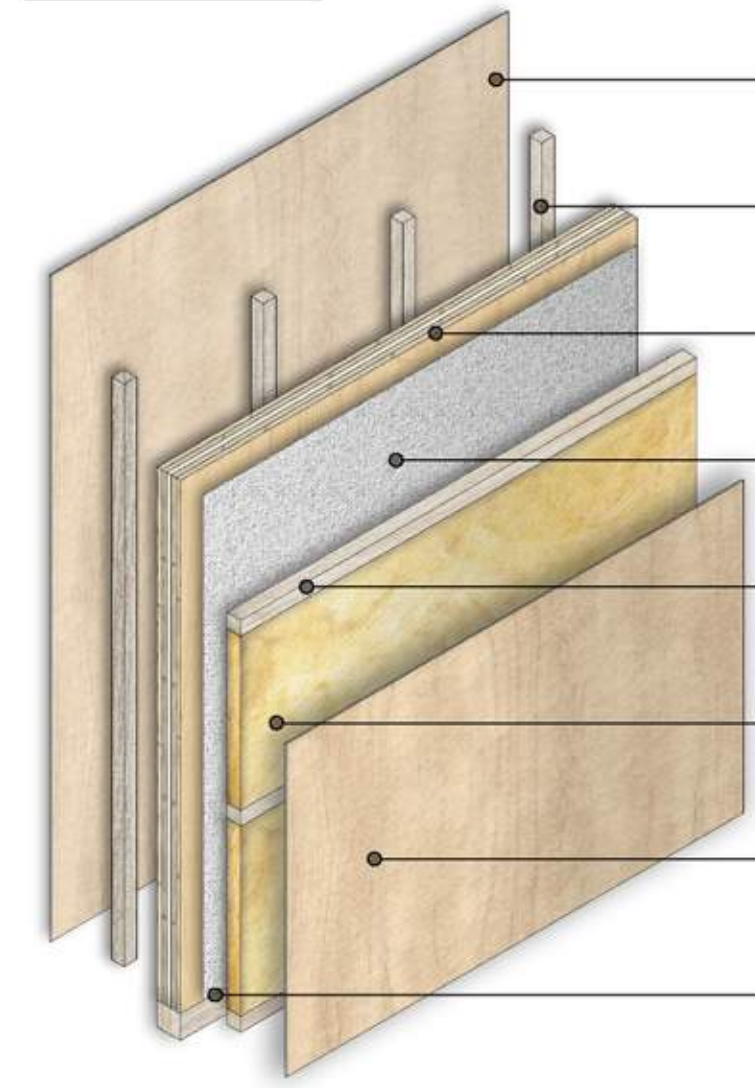


VISTA ESTERNA CAPANNONE AE



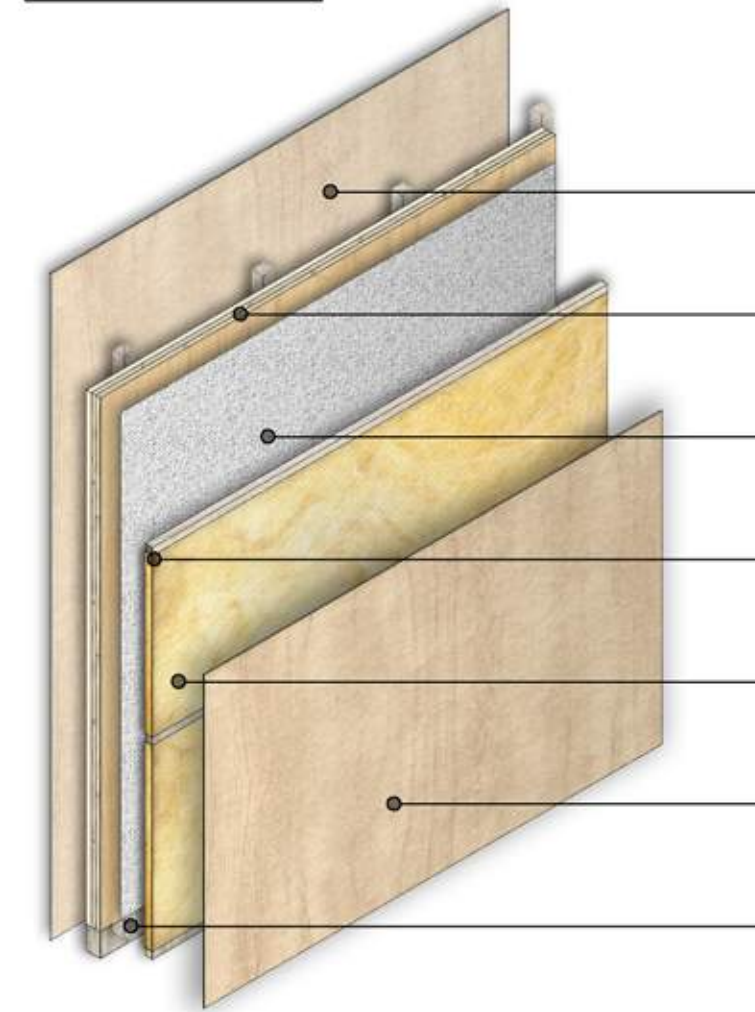
VISTA INTERNA CAPANNONE AE

C.V.E.1



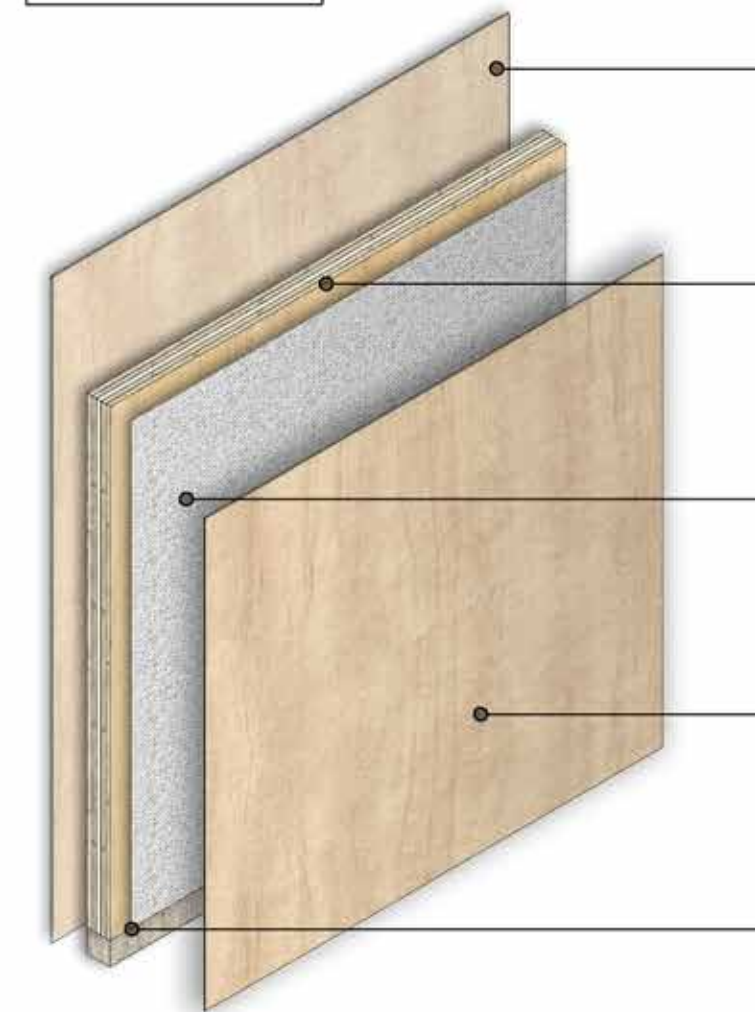
- 1_rivestimento ligneo: 1,2cm
- 2_montante ligneo verticale: 10x10cm
- 3_X-LAM 5 strati: 20cm
- 4_impermeabilizzazione: 0,04cm
- 5_montante ligneo orizzontale: 12x10cm
- 6_isolamento termico in lana di roccia: 12cm
- 7_rivestimento ligneo: 1,2cm
- 8_rialzo ligneo a fibre orizzontali: 10cm
- TOT: 44,44cm

P.V.I.1



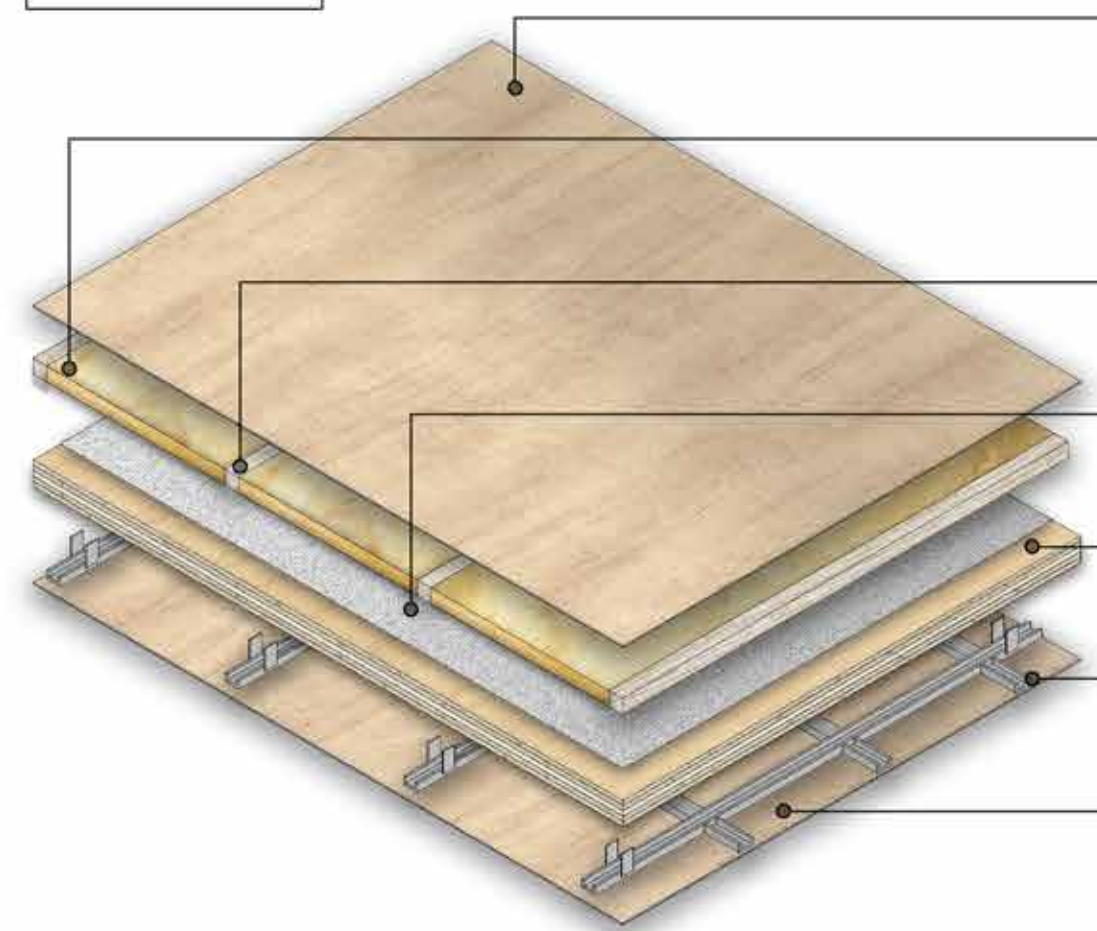
- 1_rivestimento ligneo: 1,2cm
- 2_X-LAM 3 strati: 6cm
- 3_impermeabilizzazione: 0,04cm
- 4_montante ligneo orizzontale: 6x6cm
- 5_isolamento termico in lana di roccia: 6cm
- 6_rivestimento ligneo: 1,2cm
- 8_rialzo ligneo a fibre orizzontali: 10cm
- TOT: 14,44cm

P.V.I.2

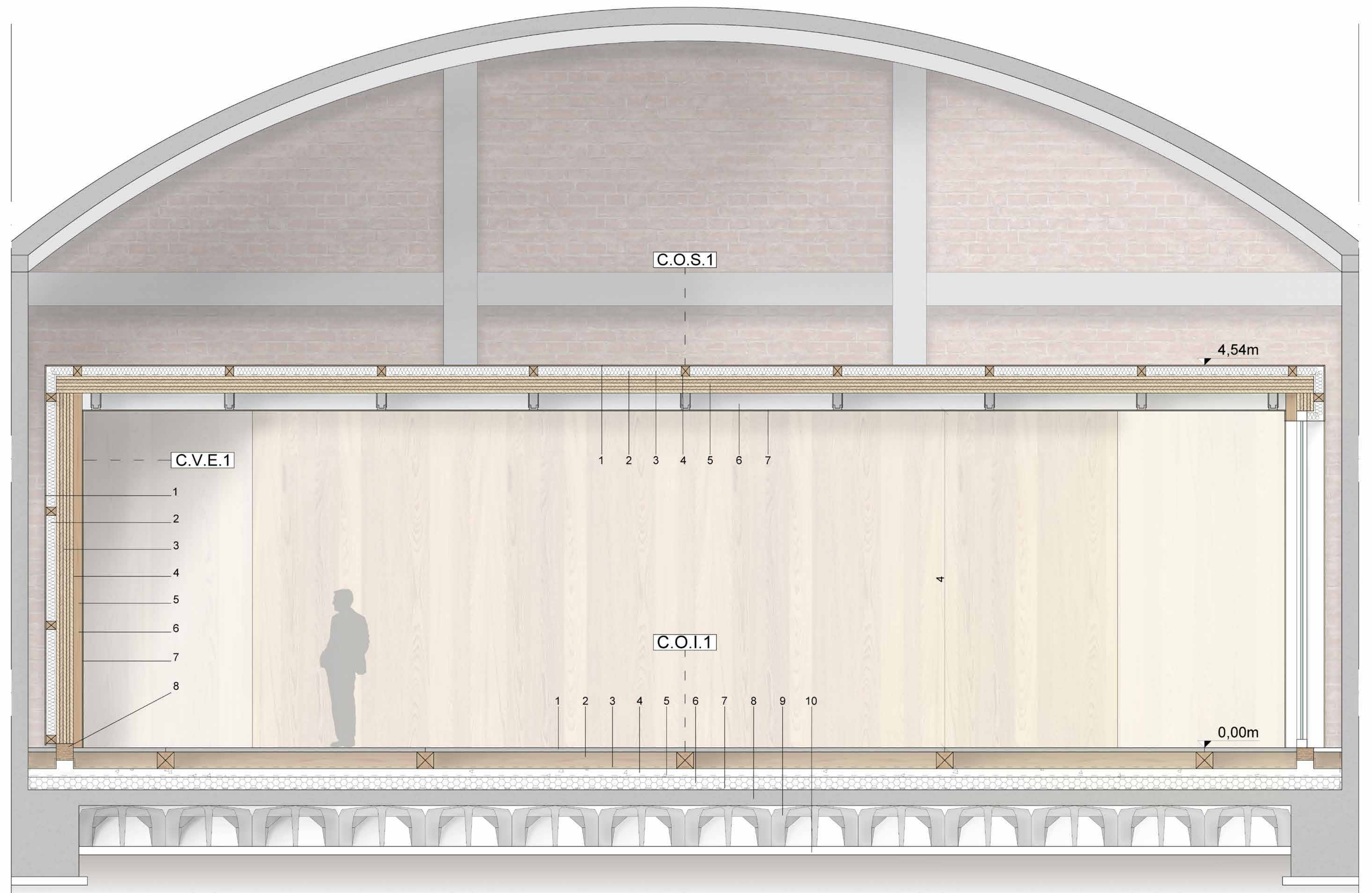


- 1_rivestimento ligneo: 1,2cm
- 2_X-LAM 5 strati: 20cm
- 3_impermeabilizzazione: 0,04cm
- 4_rivestimento ligneo: 1,2cm
- 8_rialzo ligneo a fibre orizzontali: 10cm
- TOT: 14,44cm

C.O.S.1

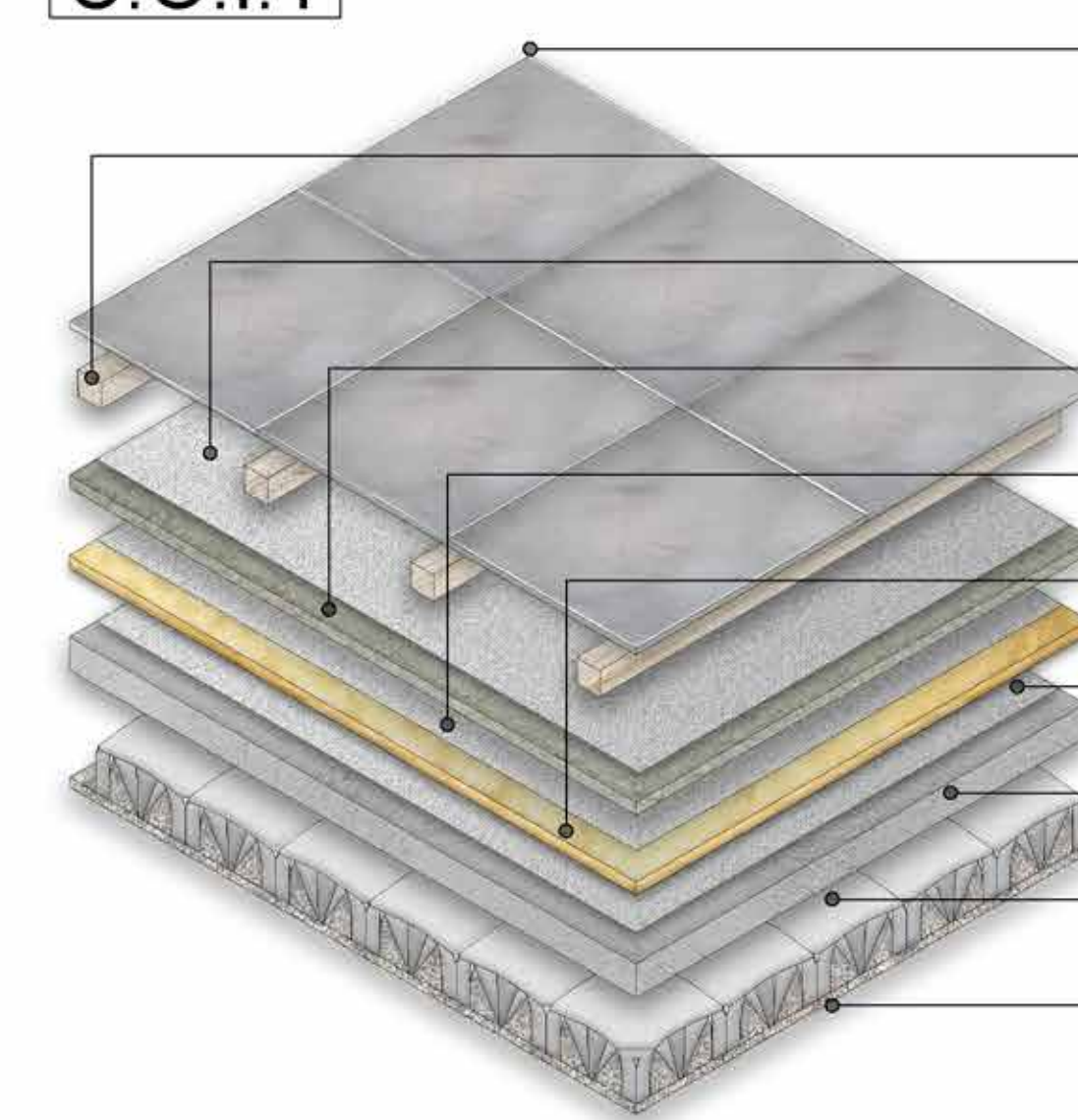


- 1_rivestimento ligneo: 1,2cm
- 2_isolamento termico: 12cm
- 3_montante ligneo: 12x10cm
- 4_impermeabilizzazione: 0,04cm
- 5_X-LAM 5 strati: 20cm
- 6_telaio controsoffitto: 20cm
- 7_rivestimento ligneo: 1,2cm
- TOT: 54,44cm

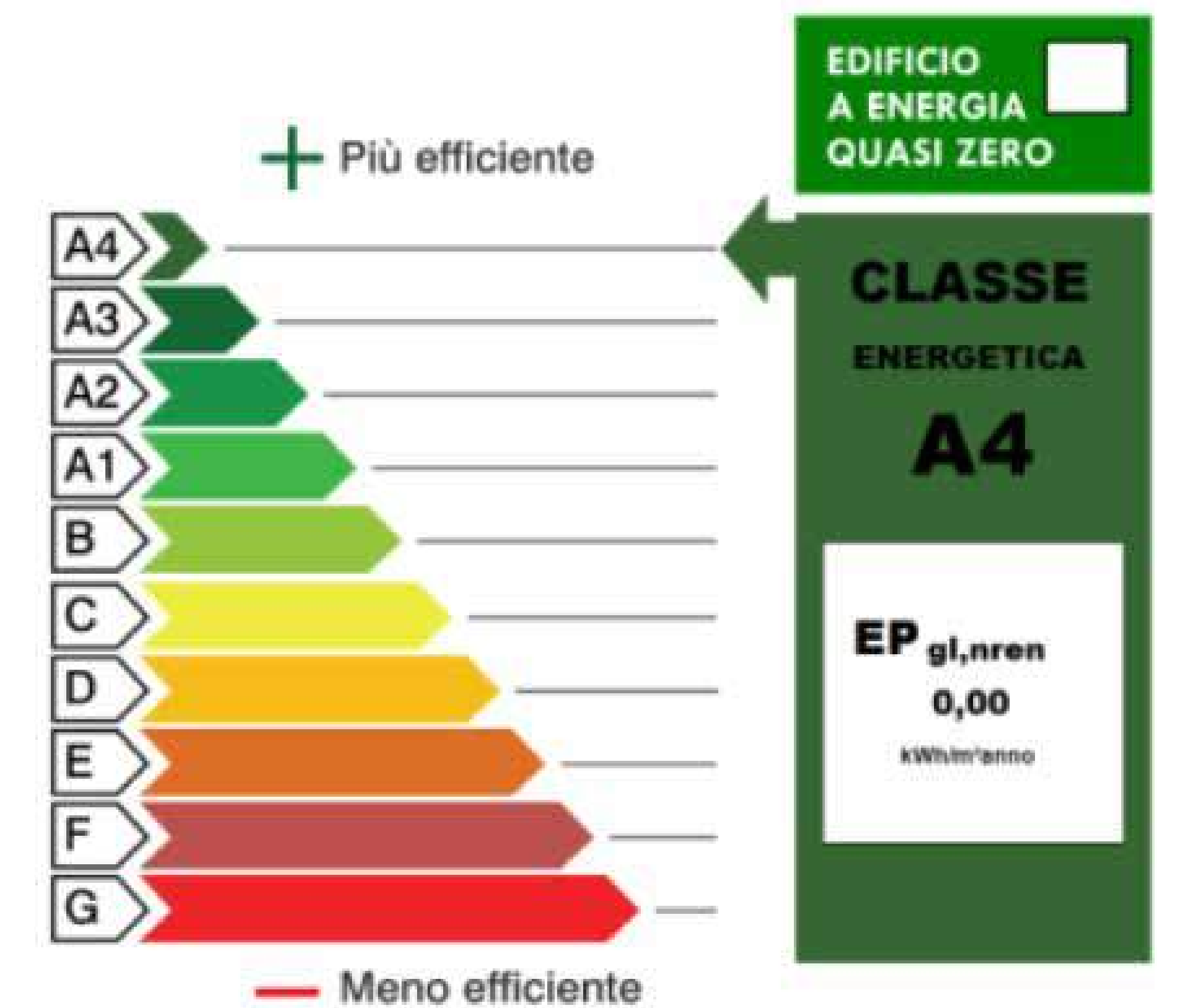


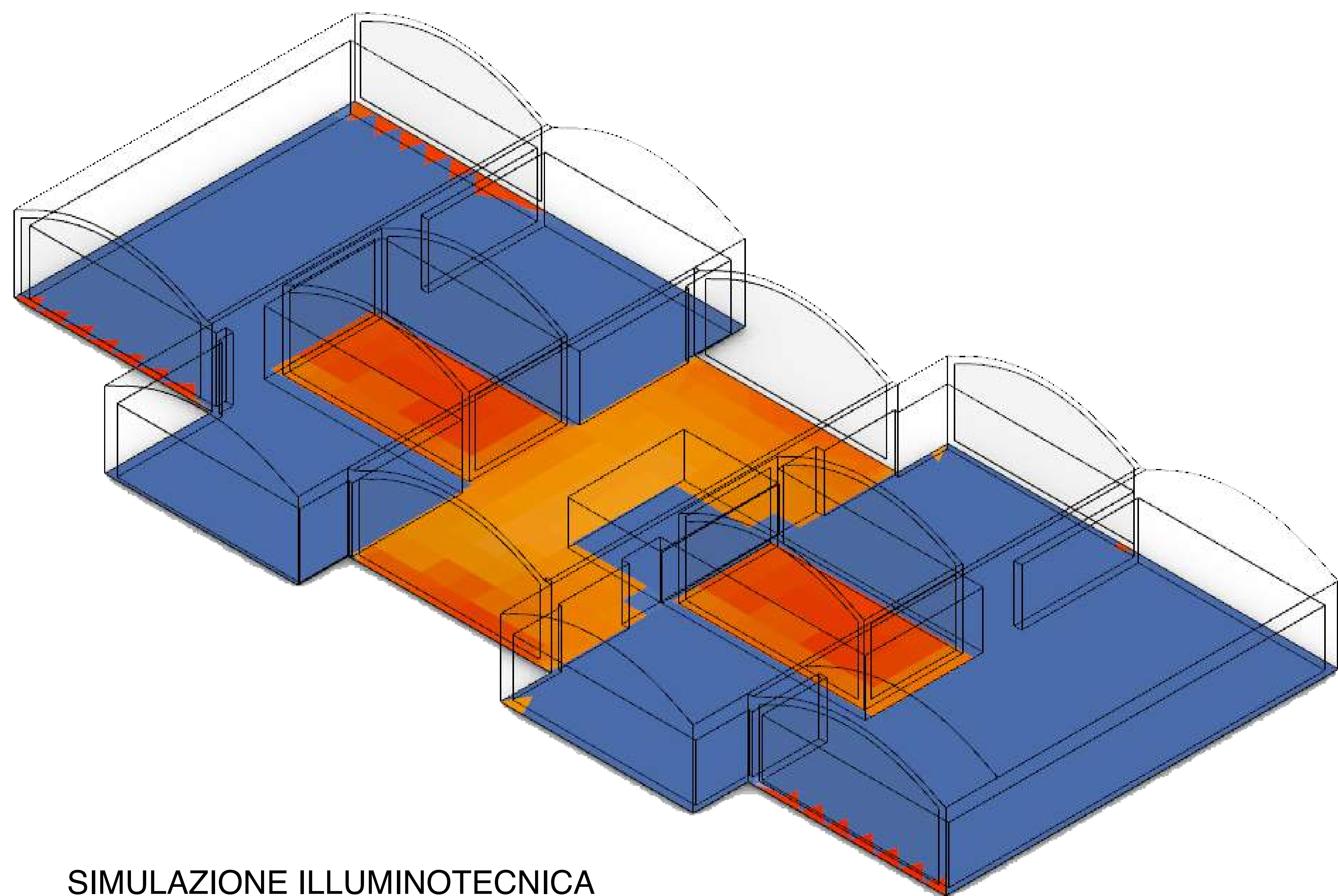
SEZIONE CAMPATA TIPO
Scala 1:20

C.O.I.1

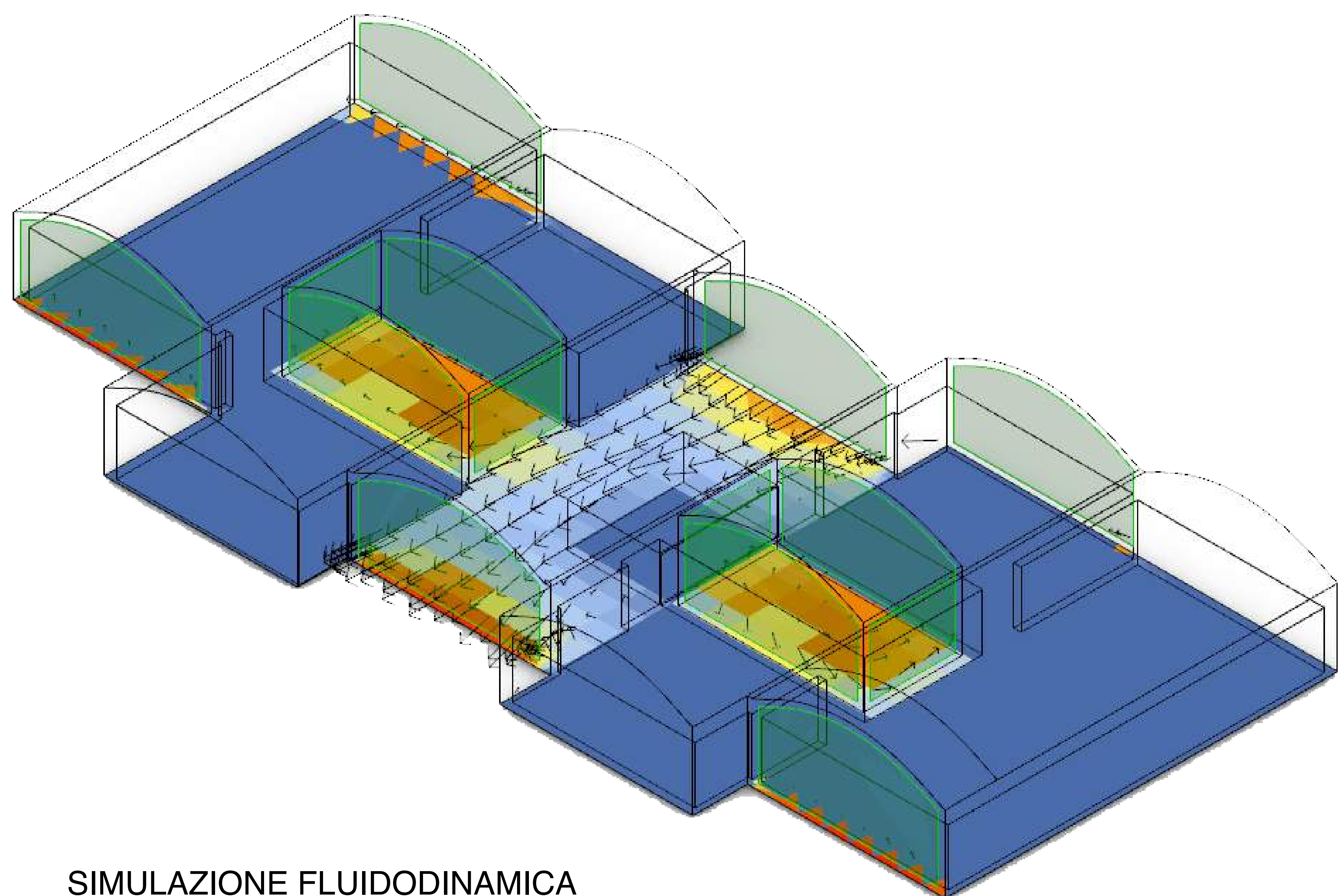
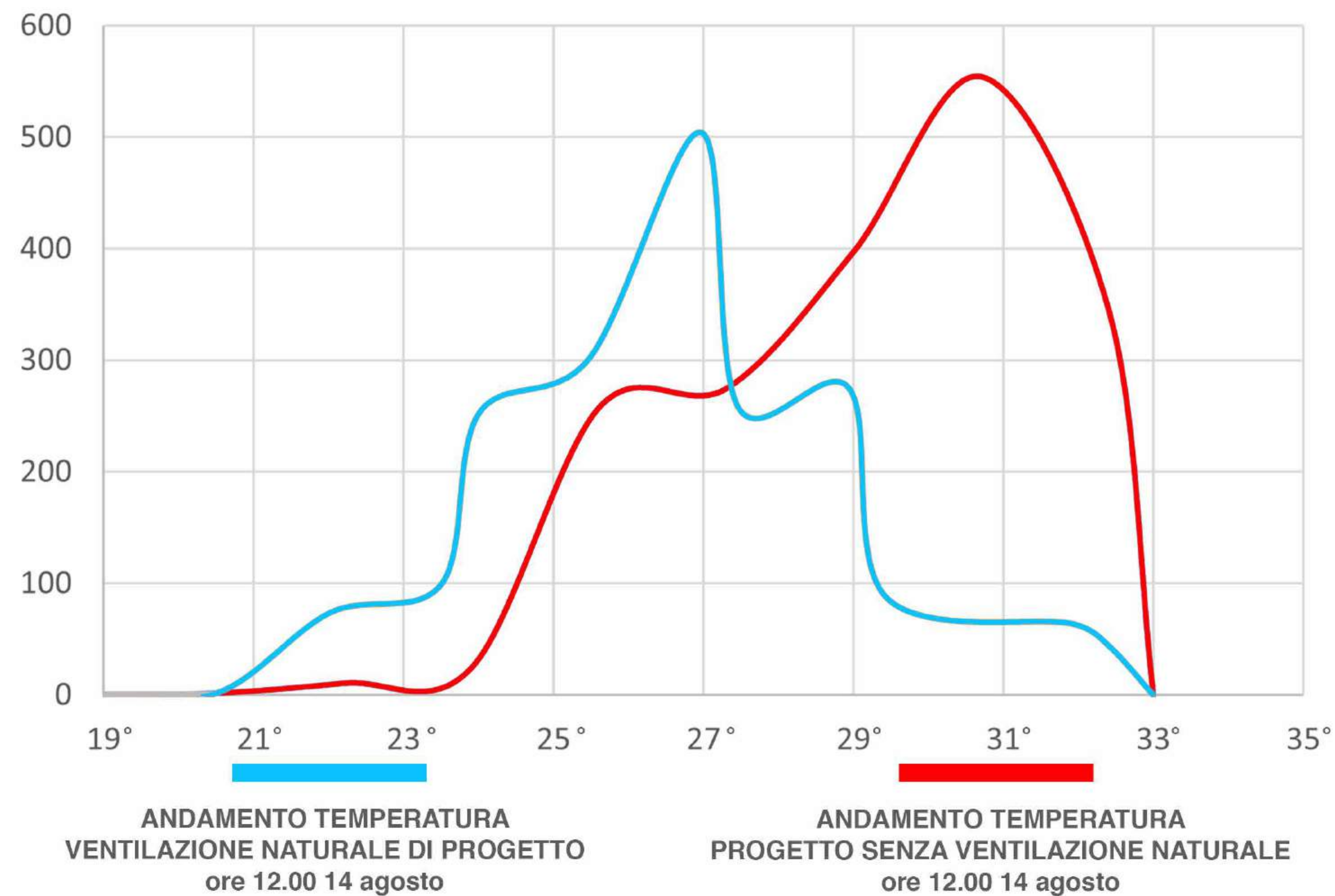
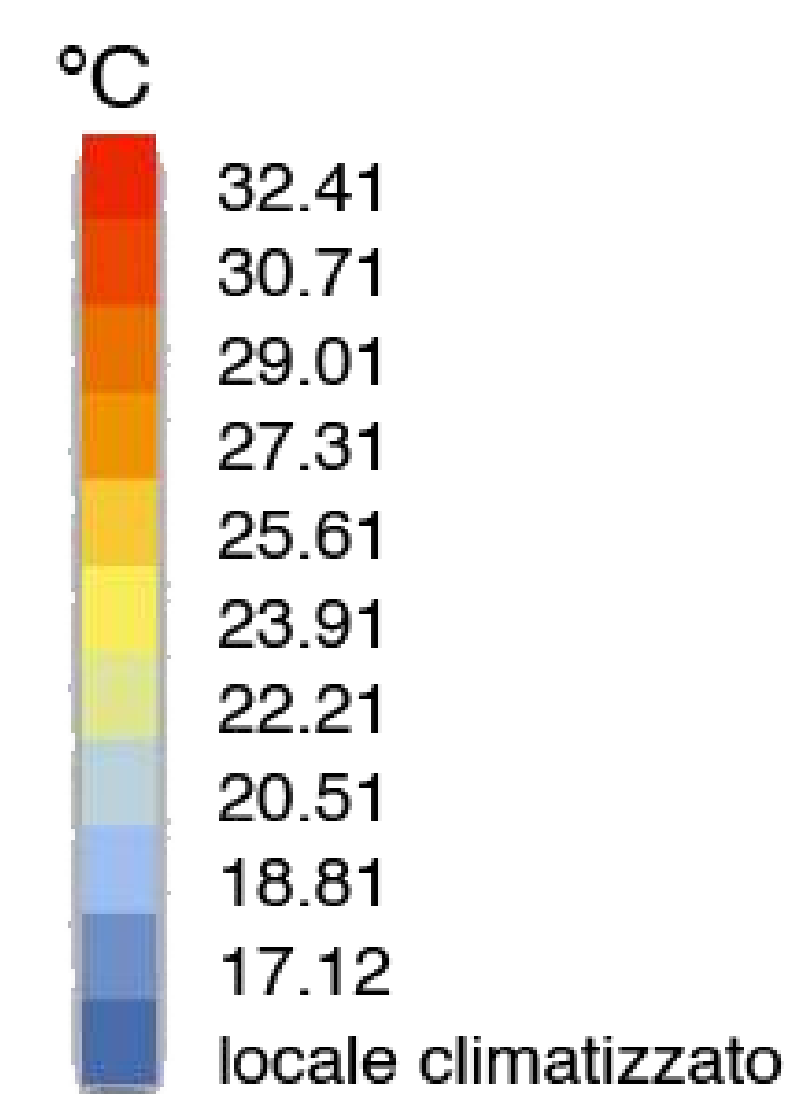


- 1_pavimentazione in lastre di microcemento: 5cm
- 2_montante ligneo orizzontale: 20x20cm
- 3_impermeabilizzazione: 0,04cm
- 4_massetto alleggerito: 10cm
- 5_impermeabilizzazione: 0,04cm
- 6_isolamento termico in lana di vetro: 10cm
- 7_impermeabilizzazione: 0,04cm
- 8_calcestruzzo: 20cm
- 9_ventilazione: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

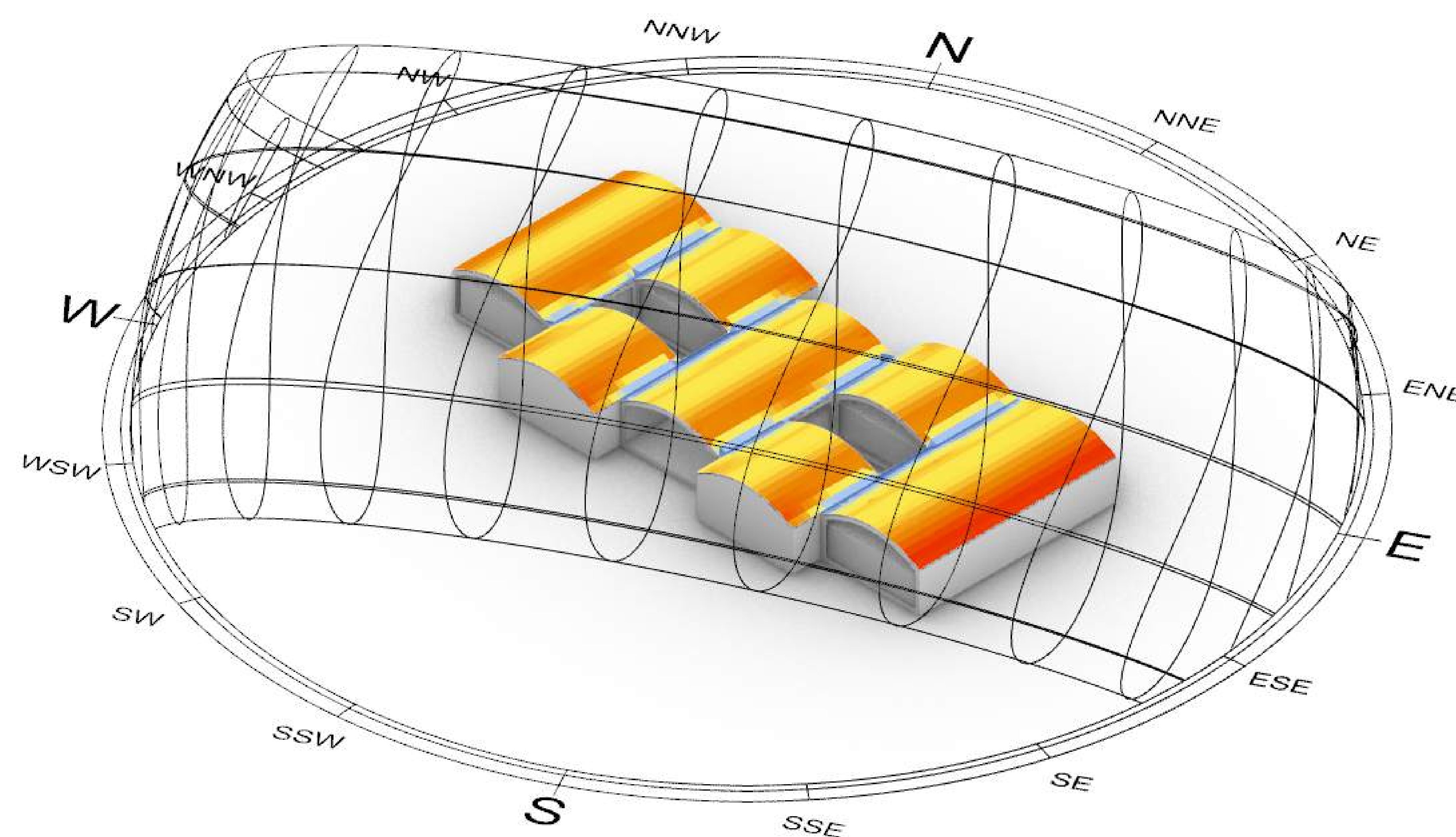
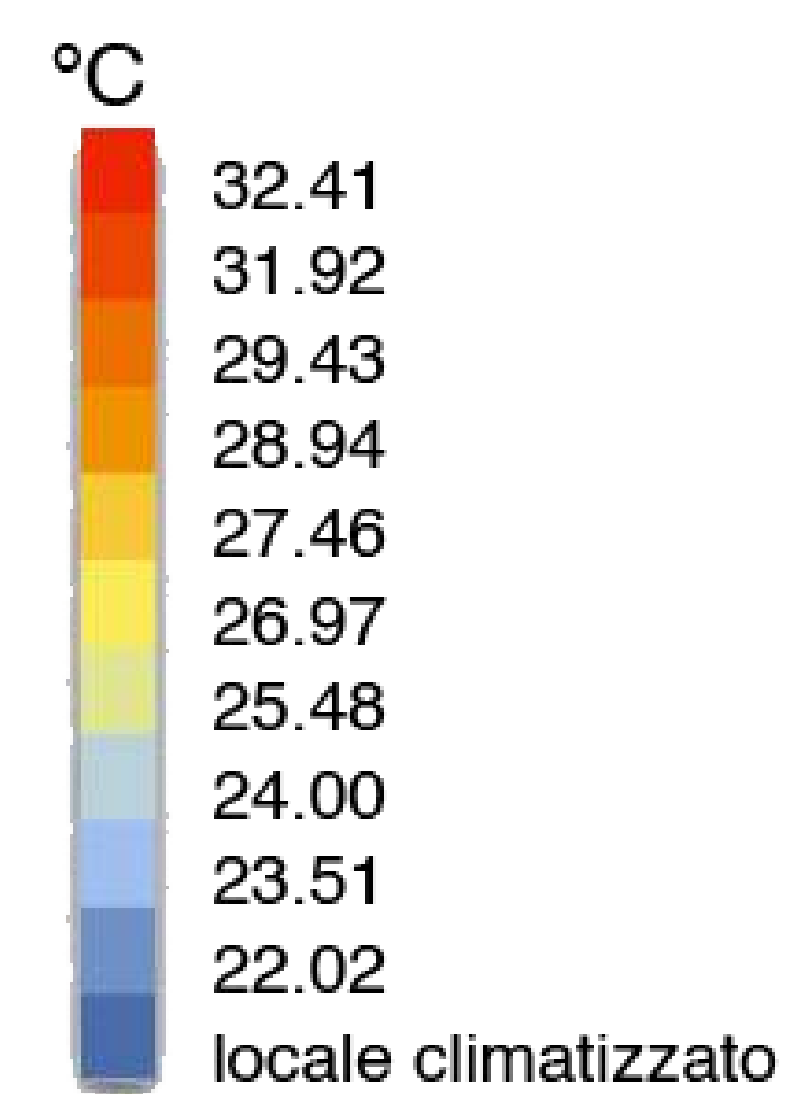




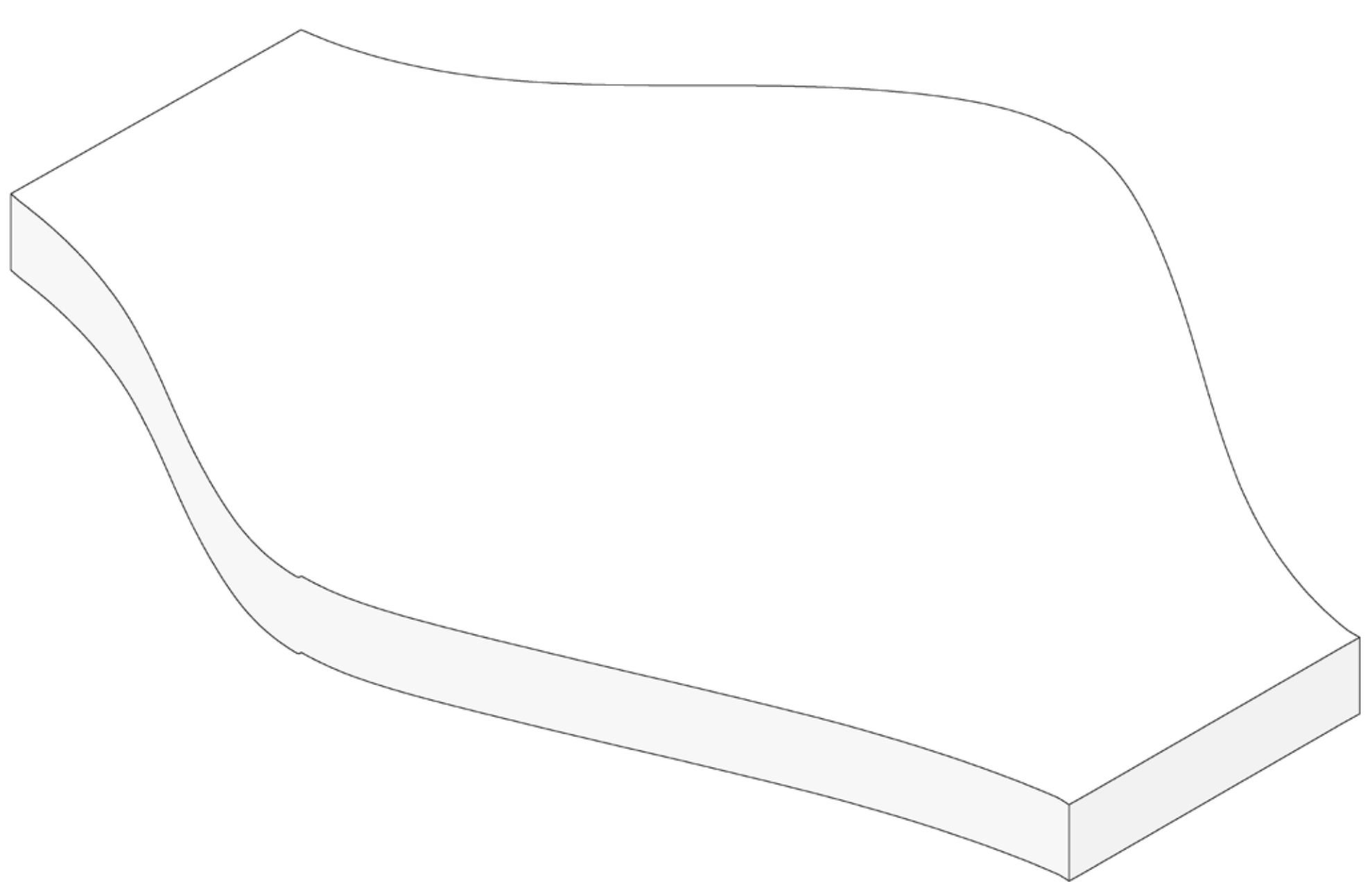
SIMULAZIONE ILLUMINOTECNICA

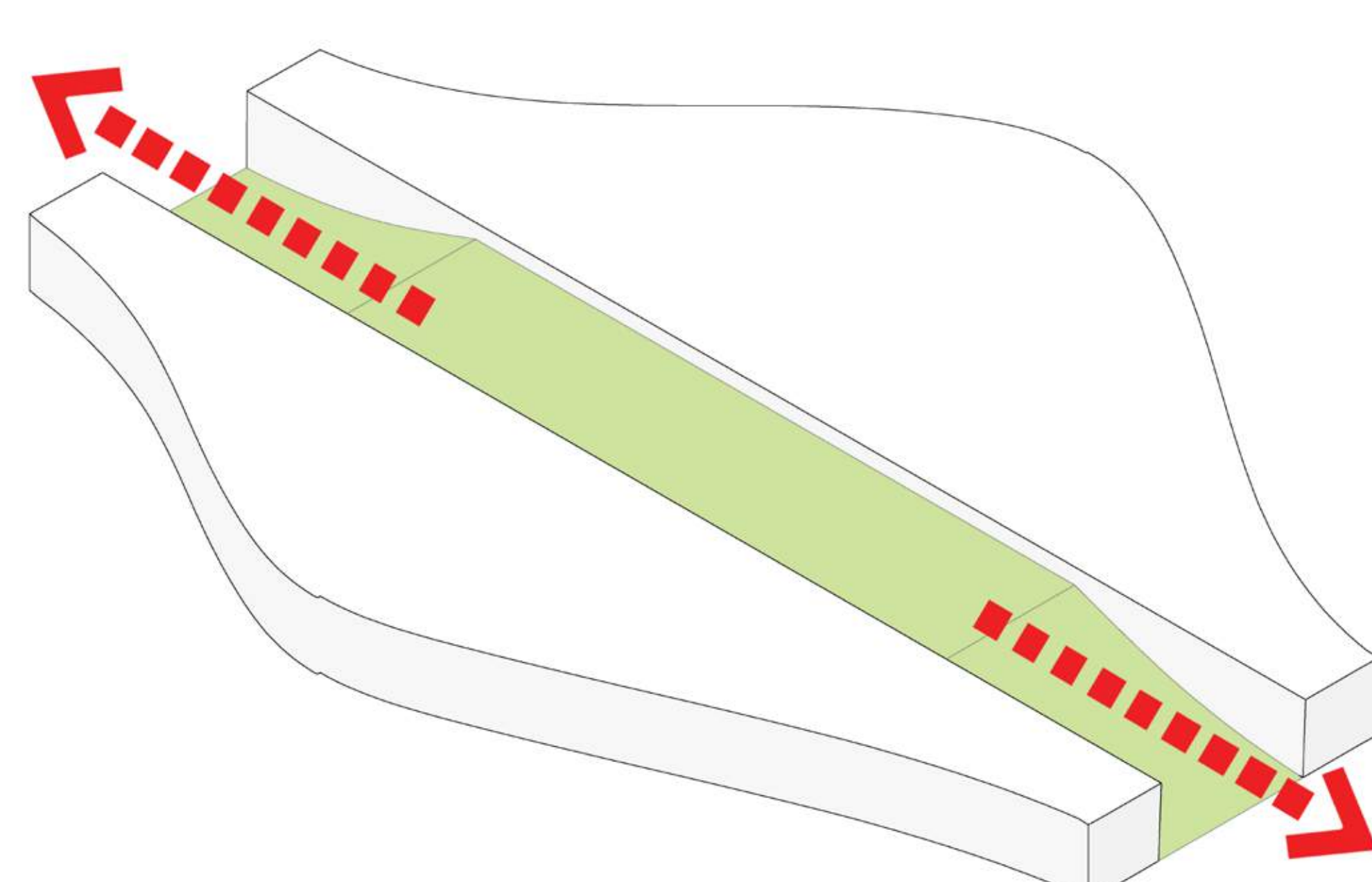
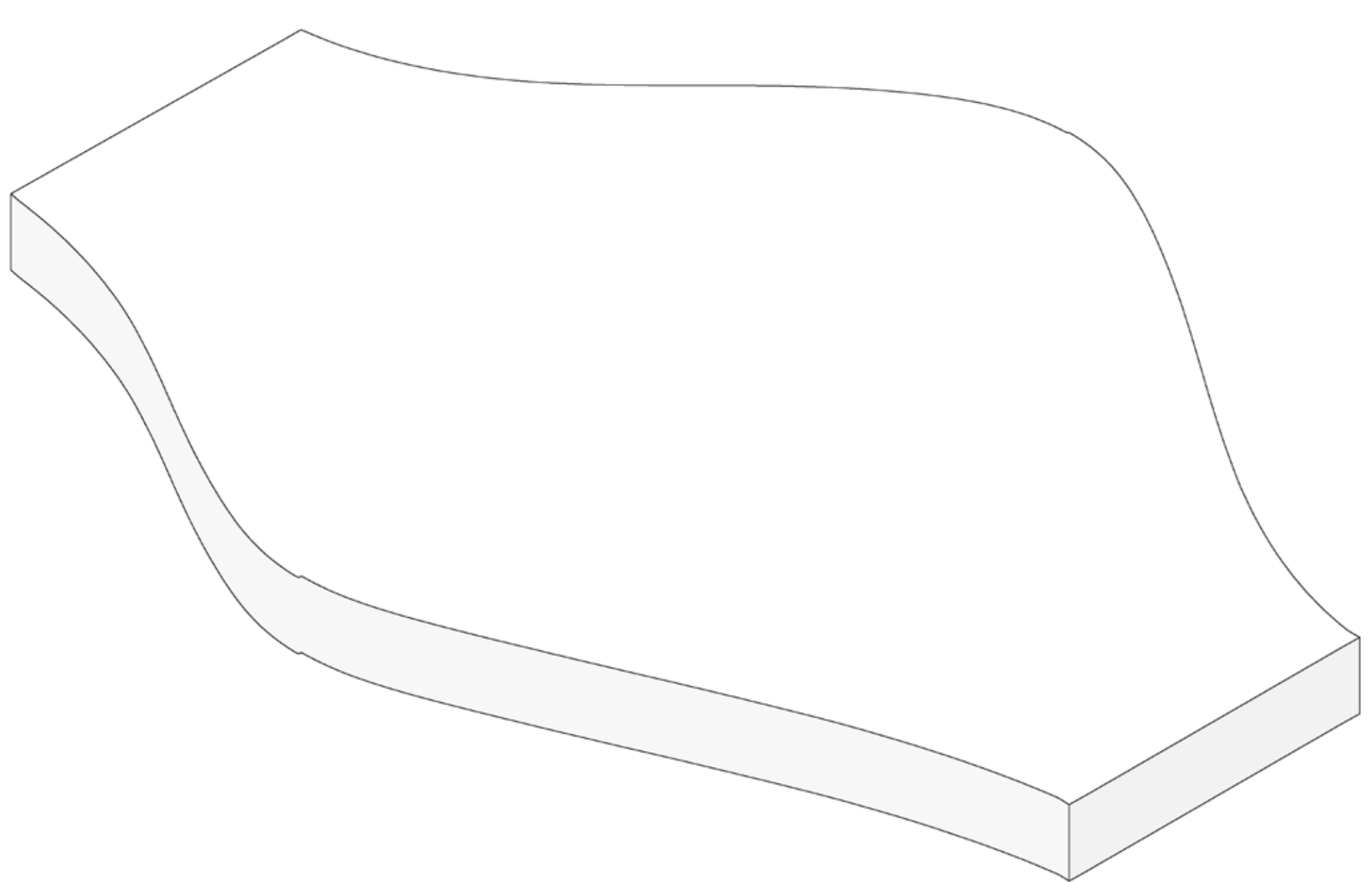


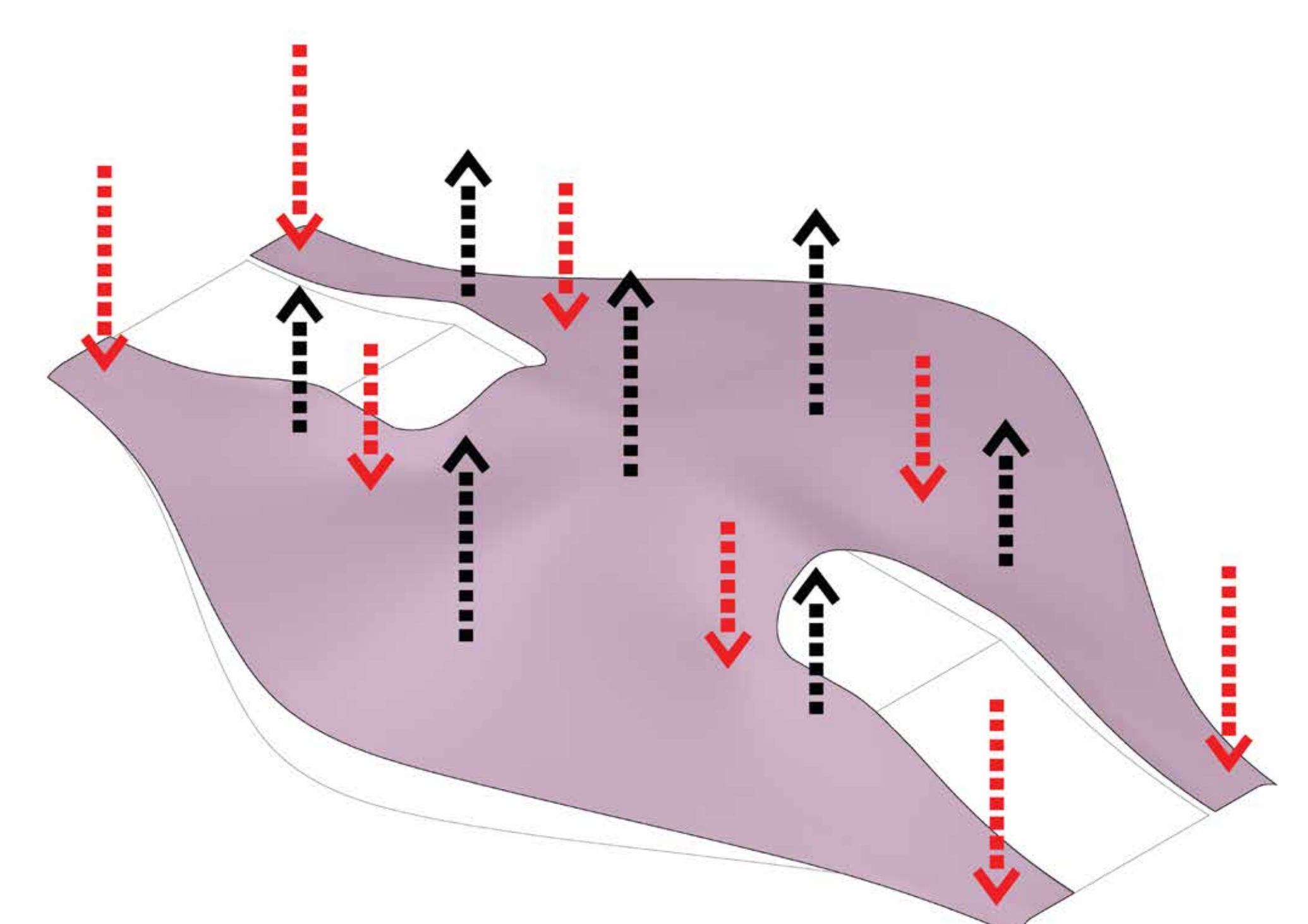
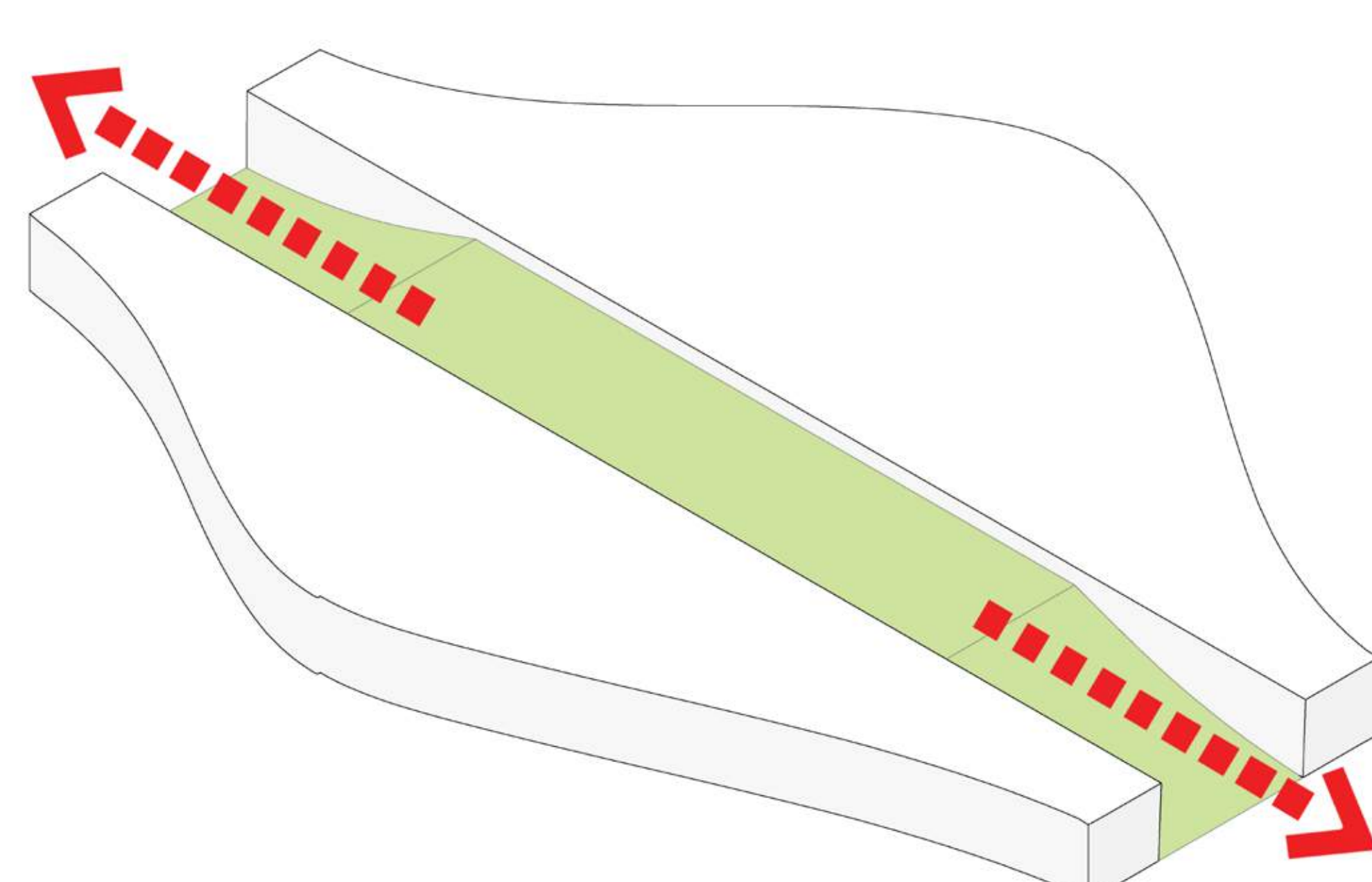
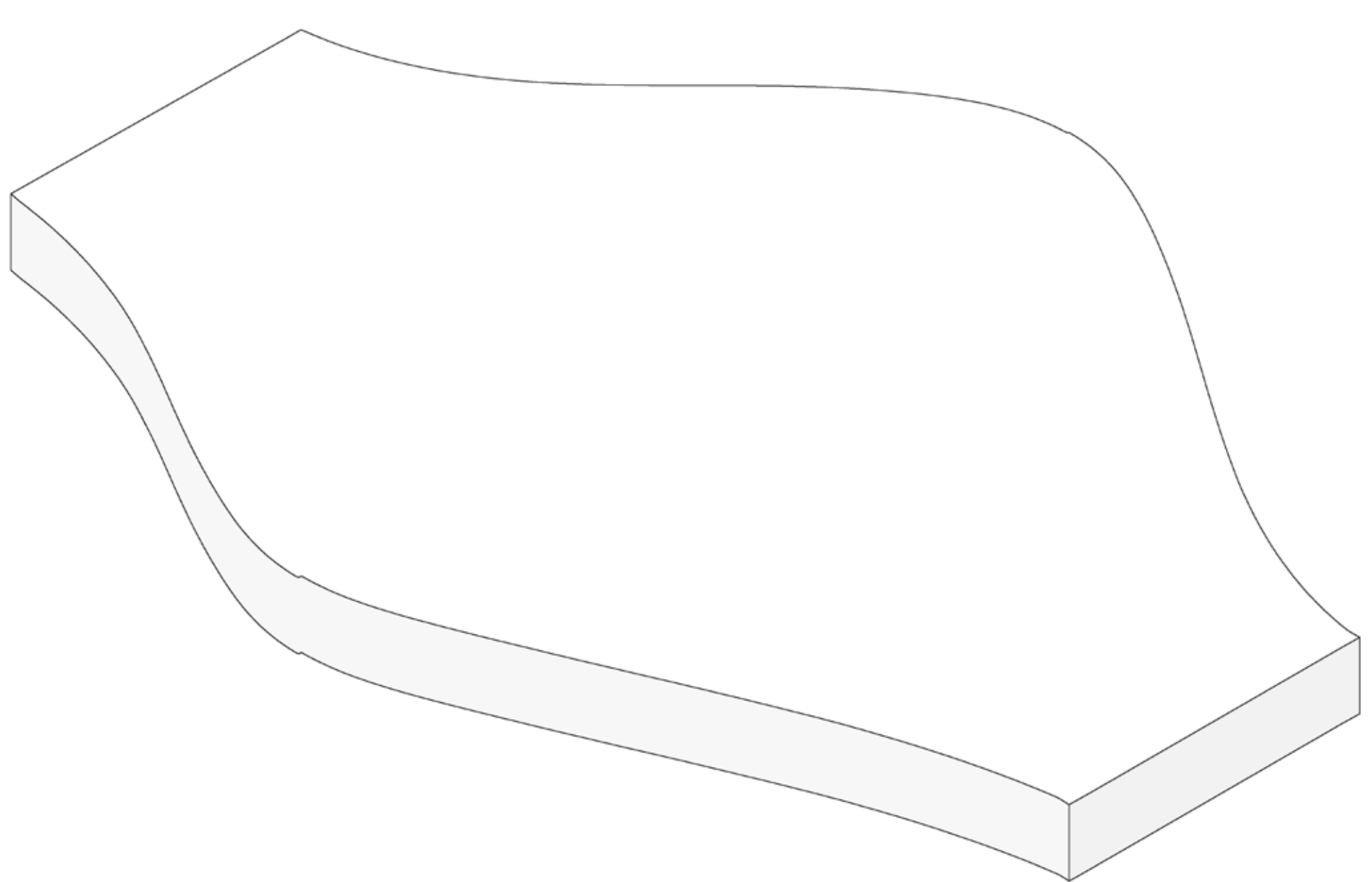
SIMULAZIONE FLUIDODINAMICA

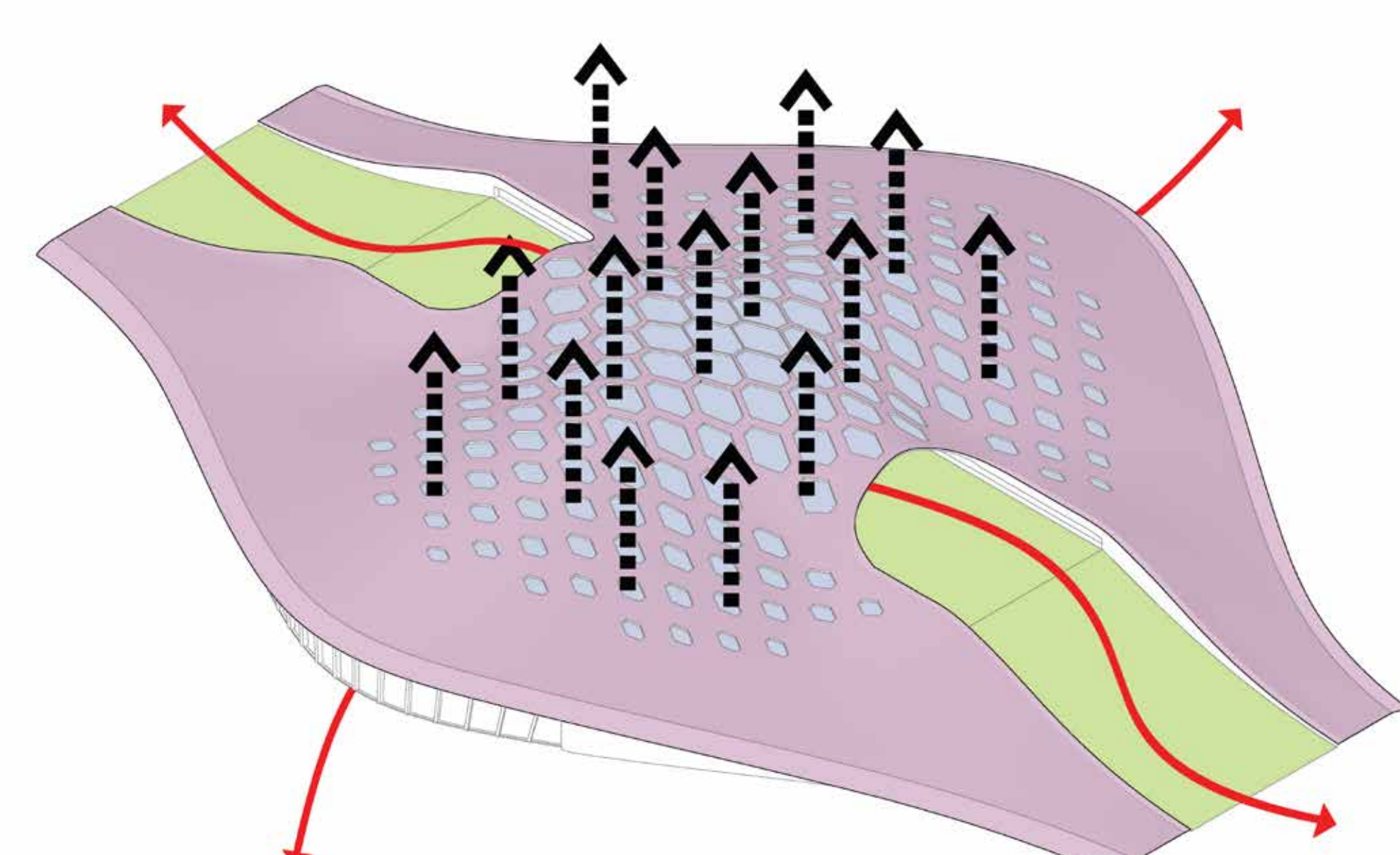
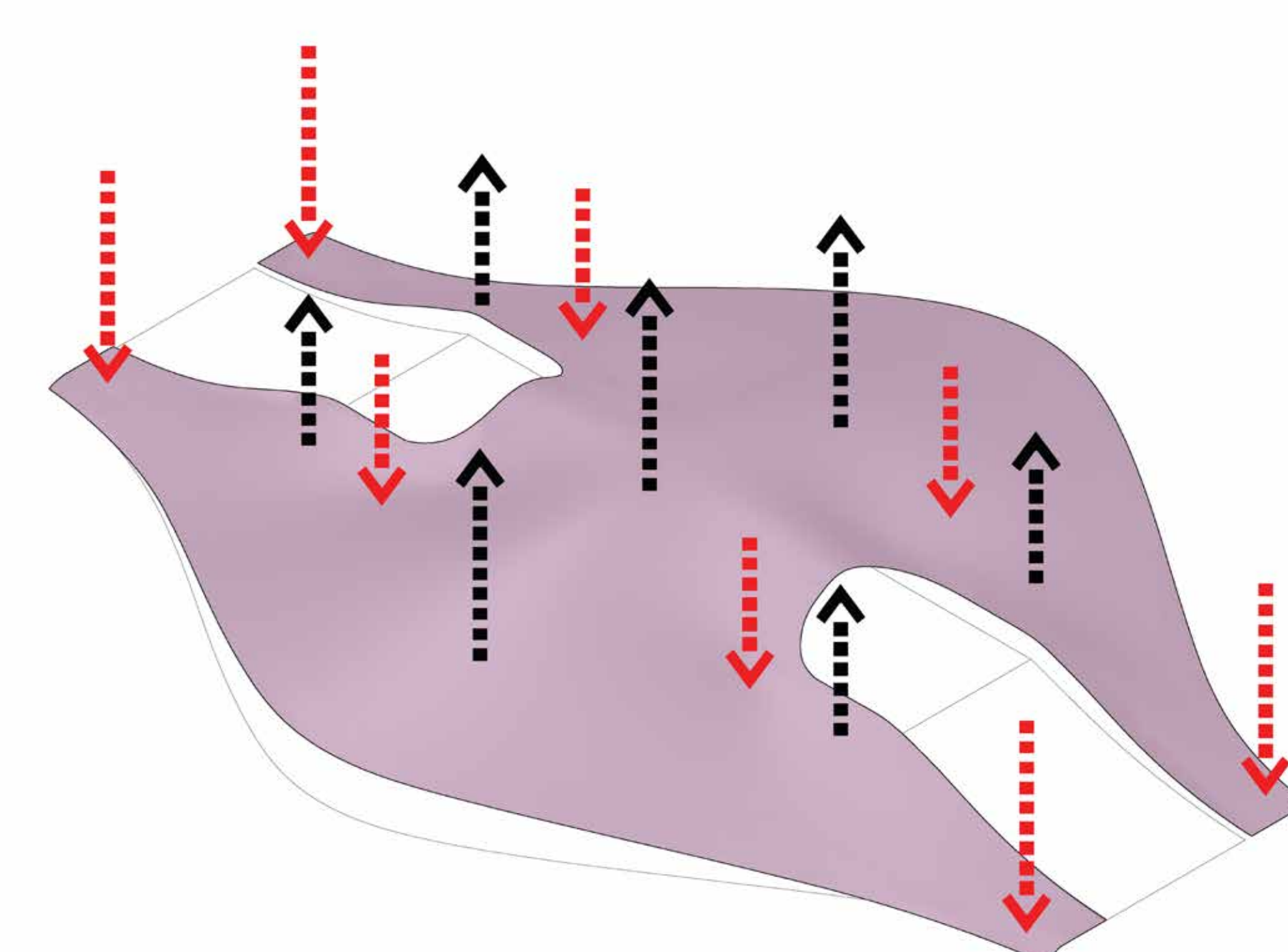
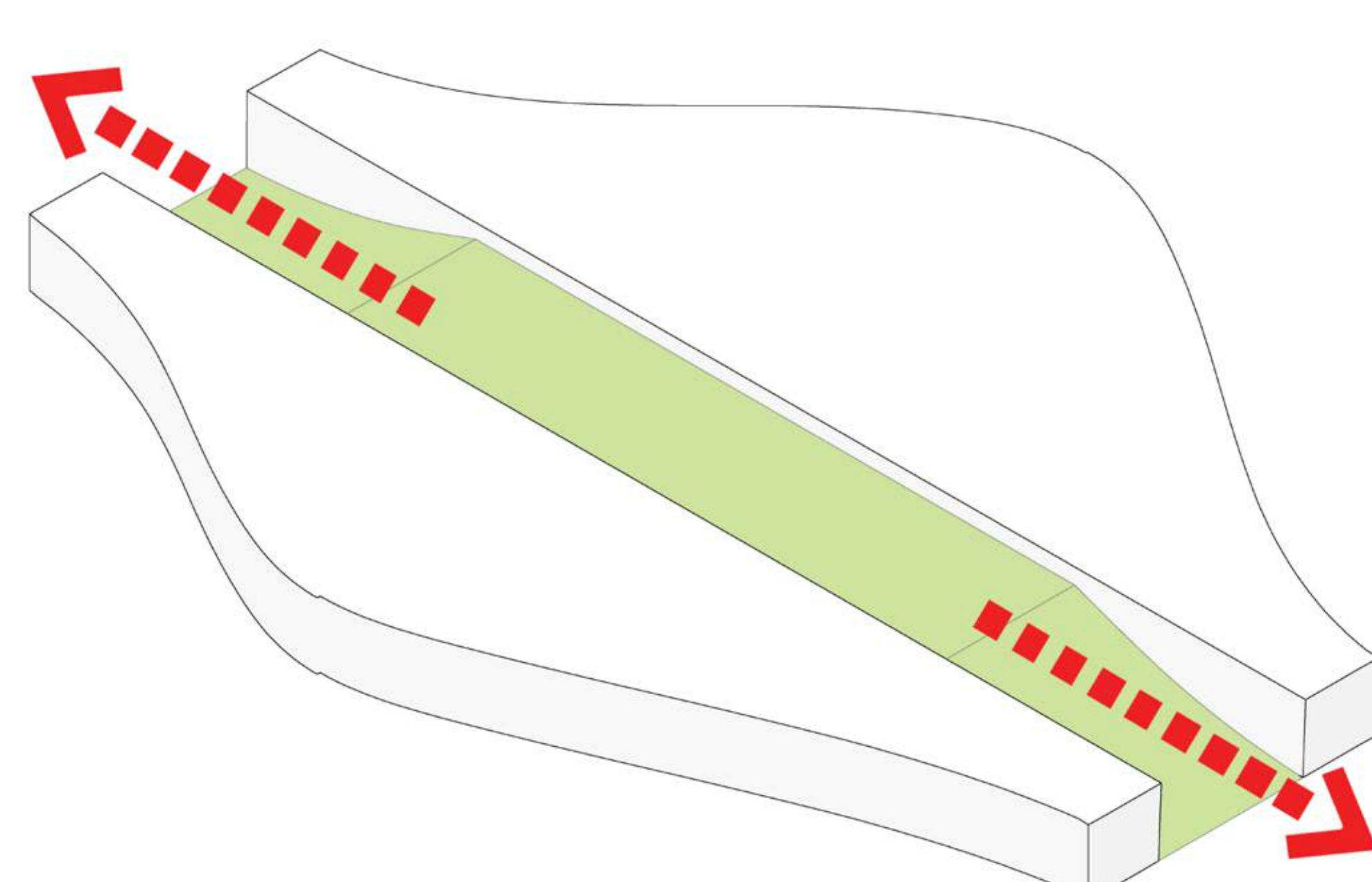
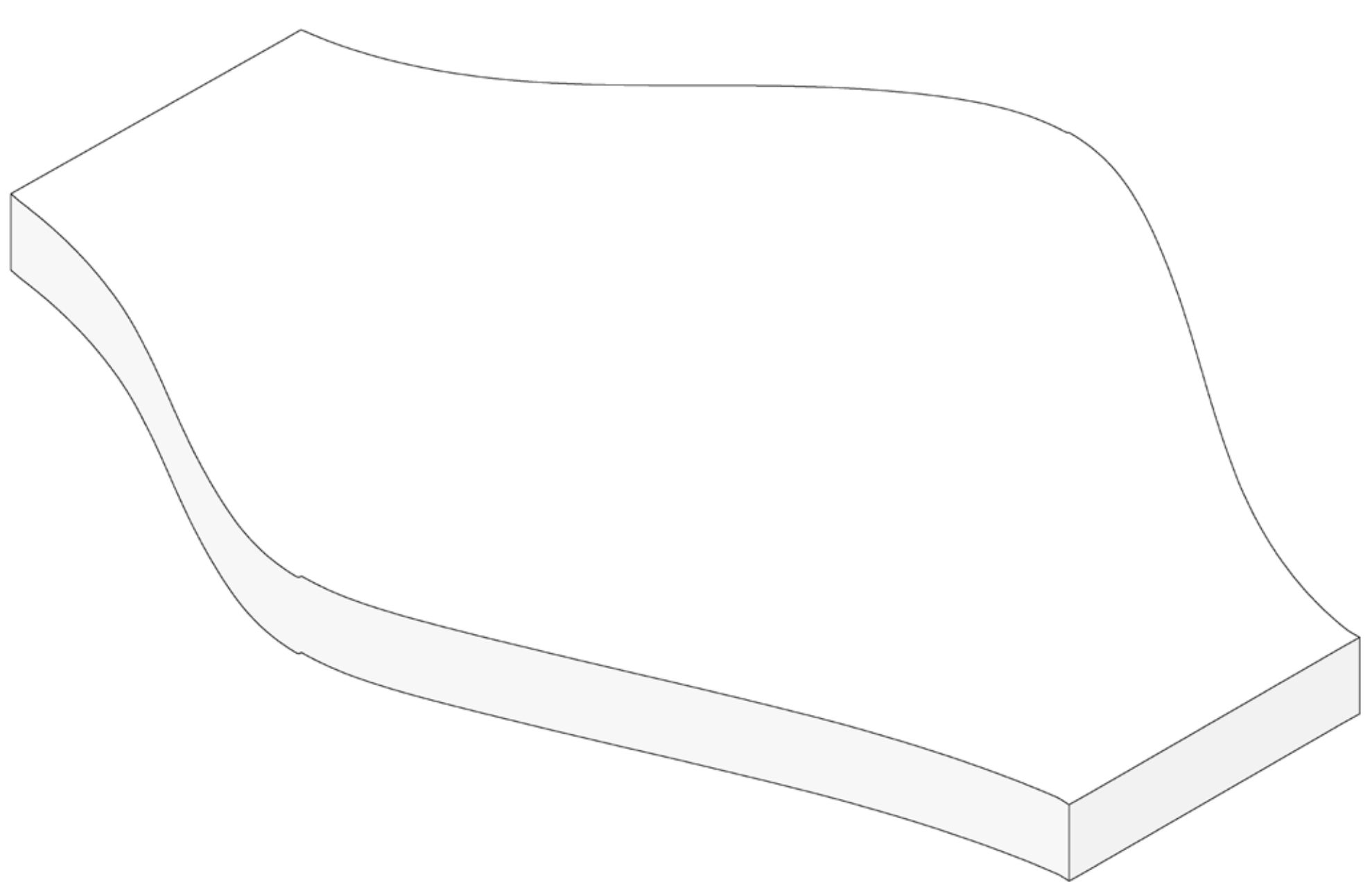


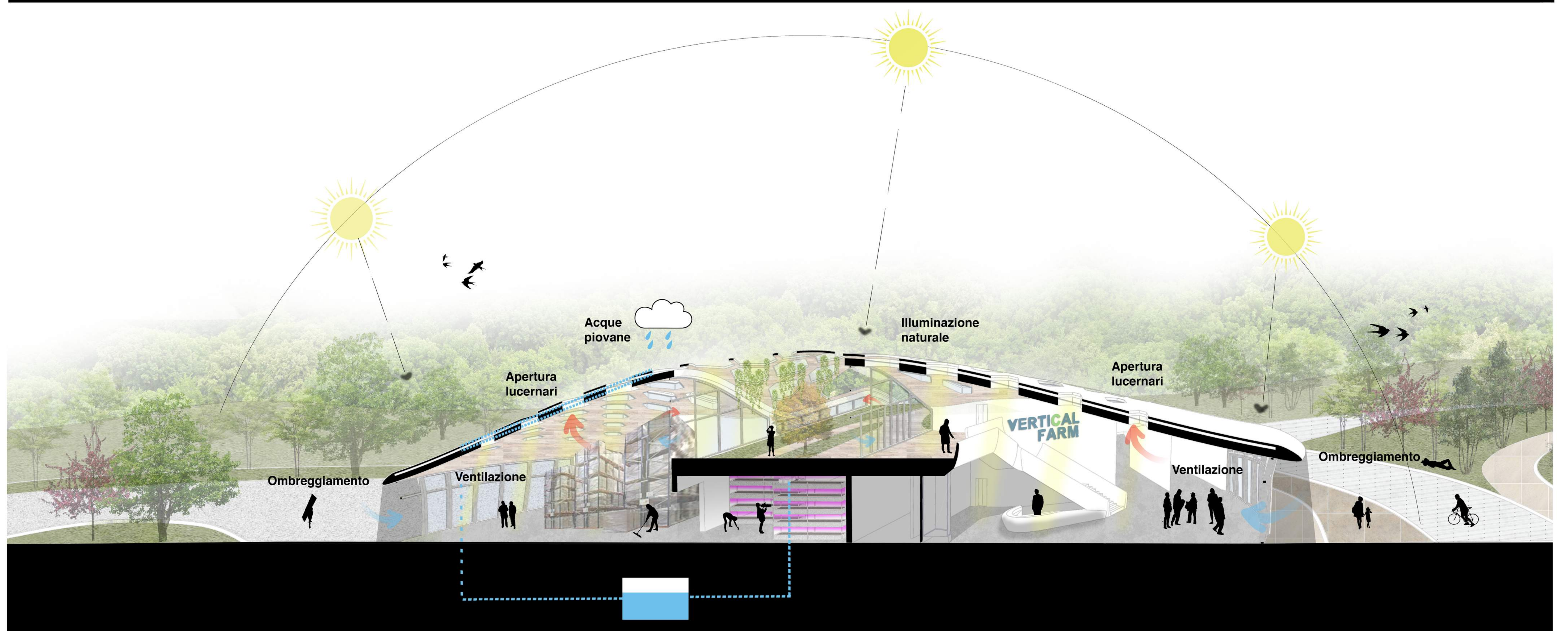
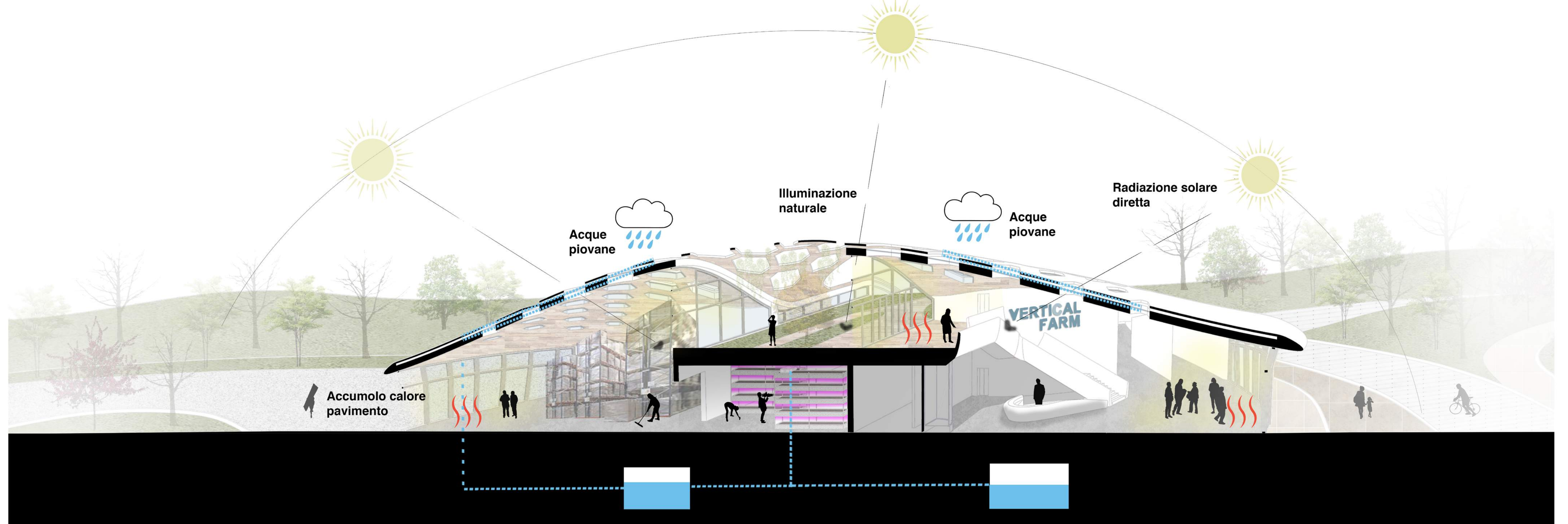
RADIAZIONE SOLARE INCIDENTE SULLA COPERTURA

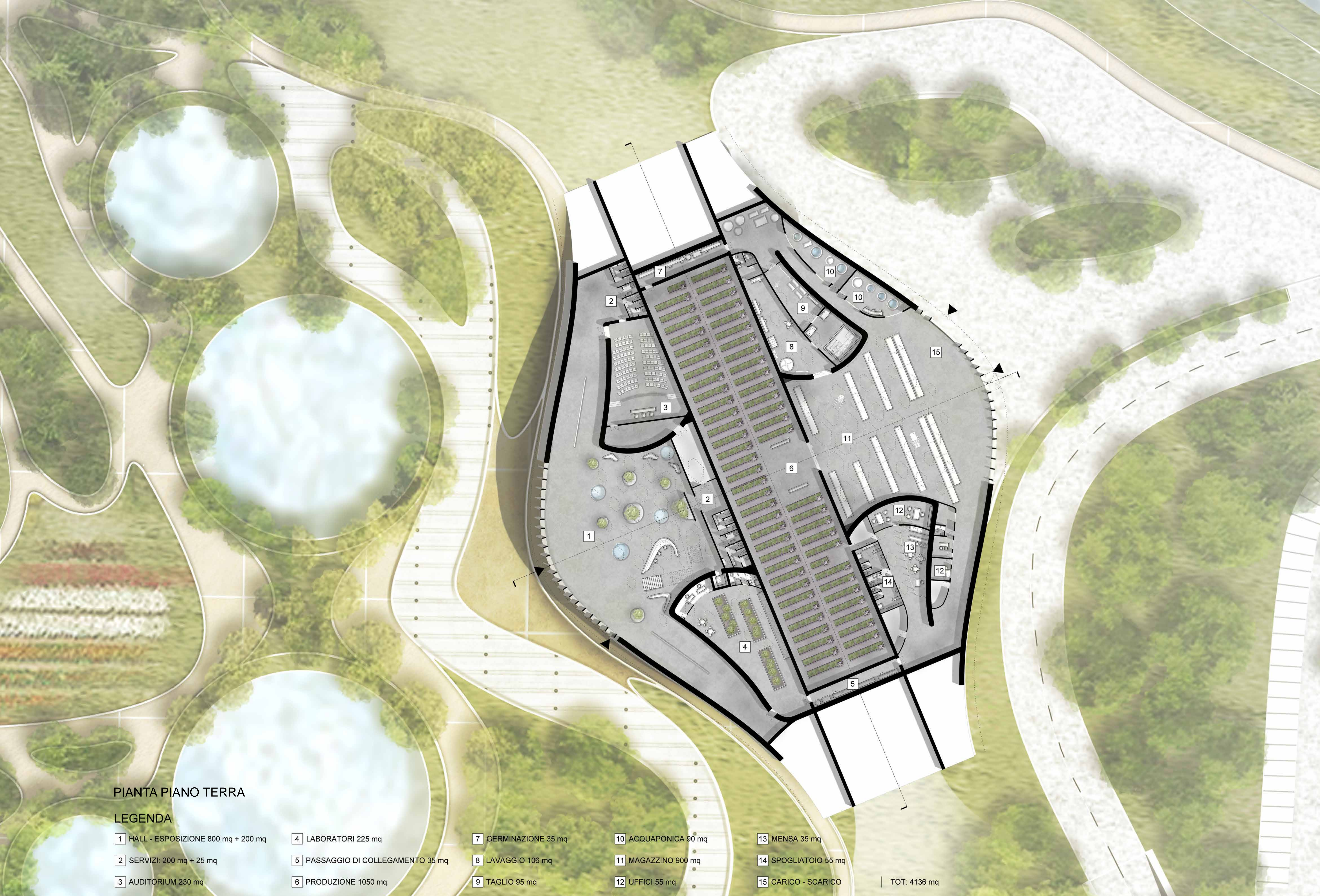








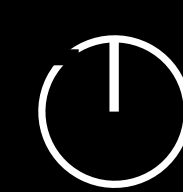
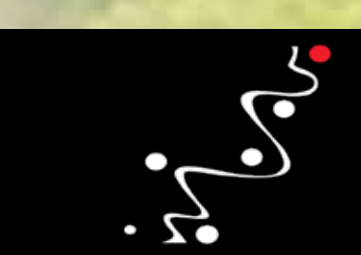


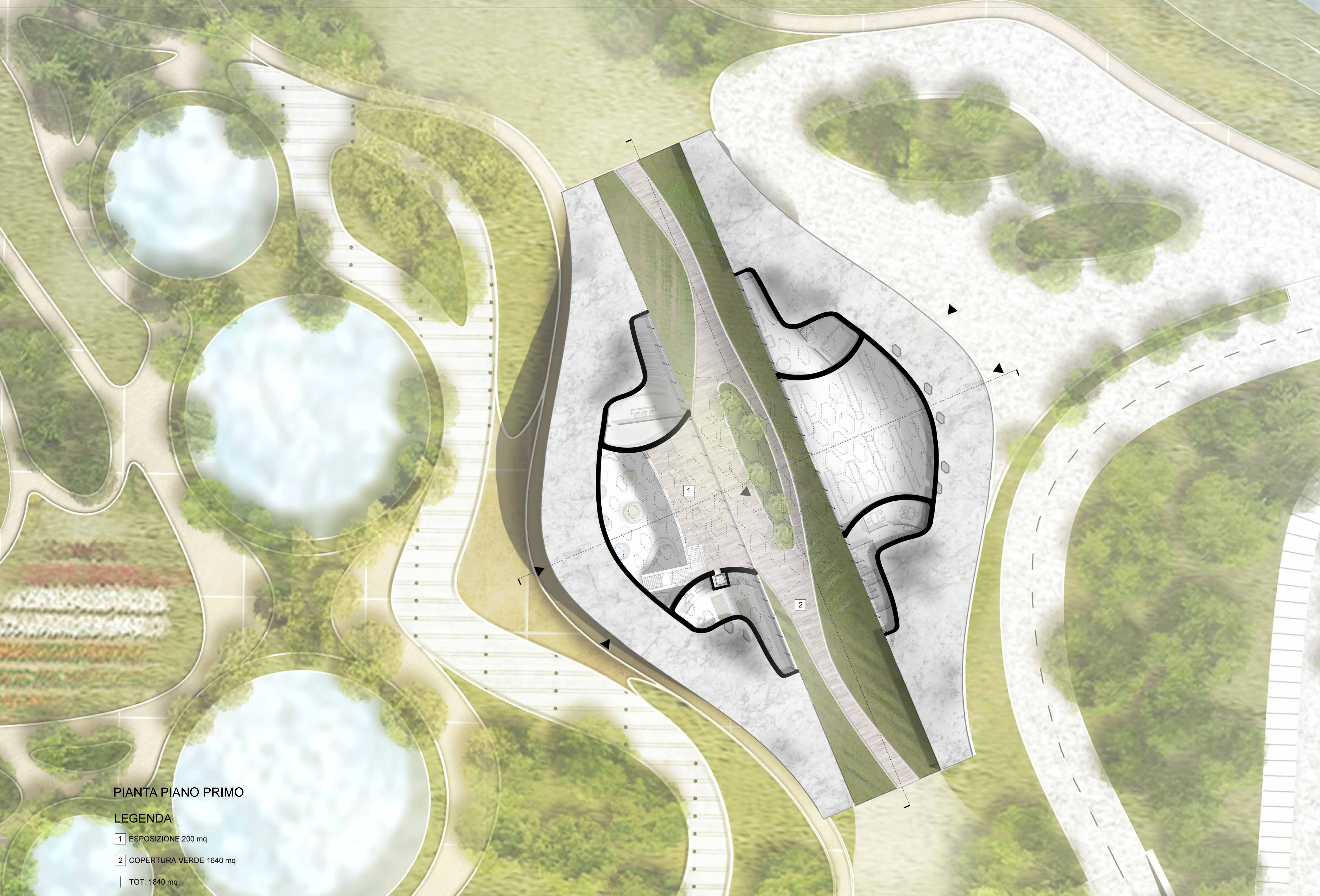


PIANTA PIANO TERRA

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

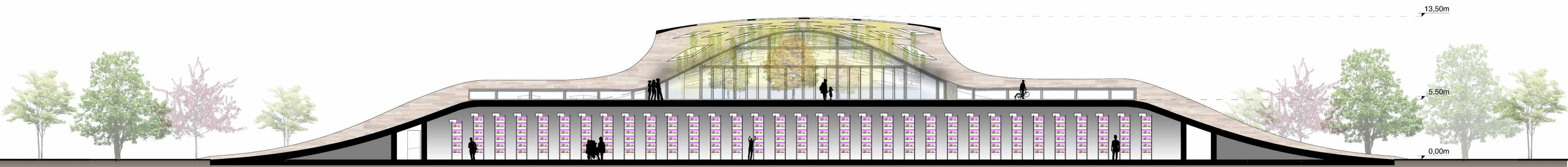
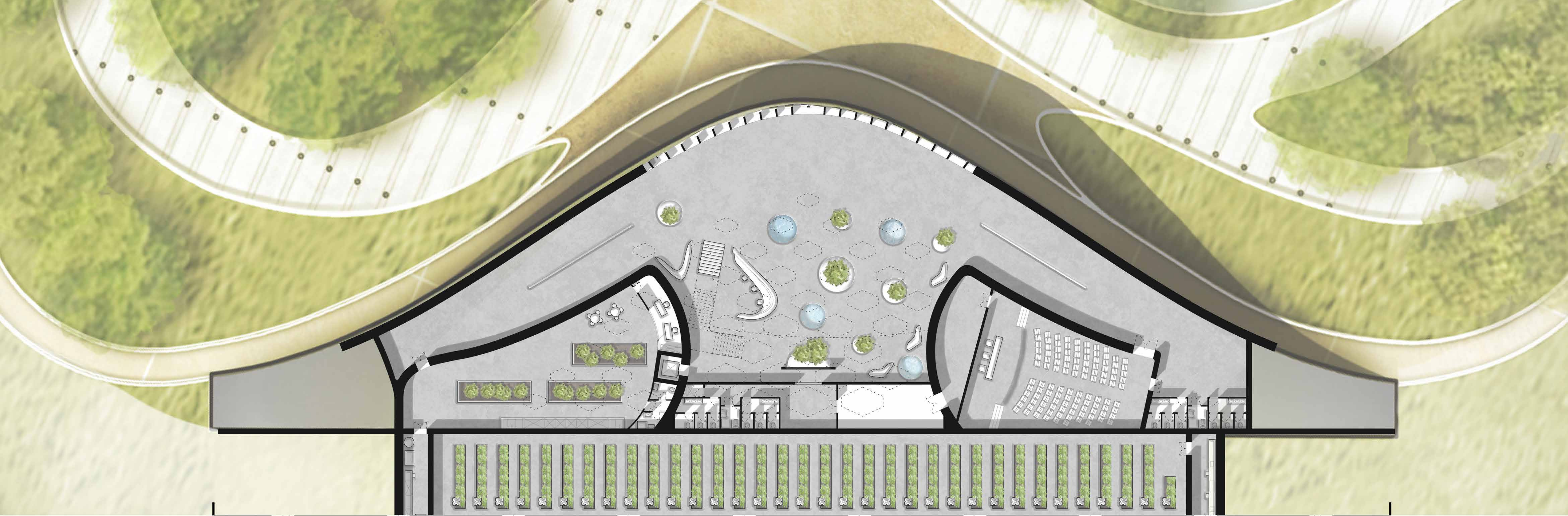




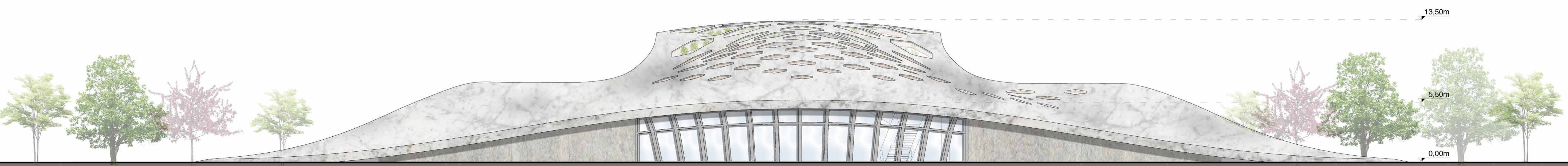
PIANTA PIANO PRIMO

LEGENDA

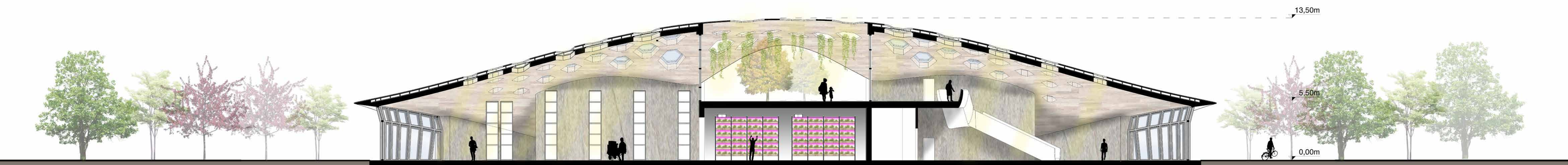
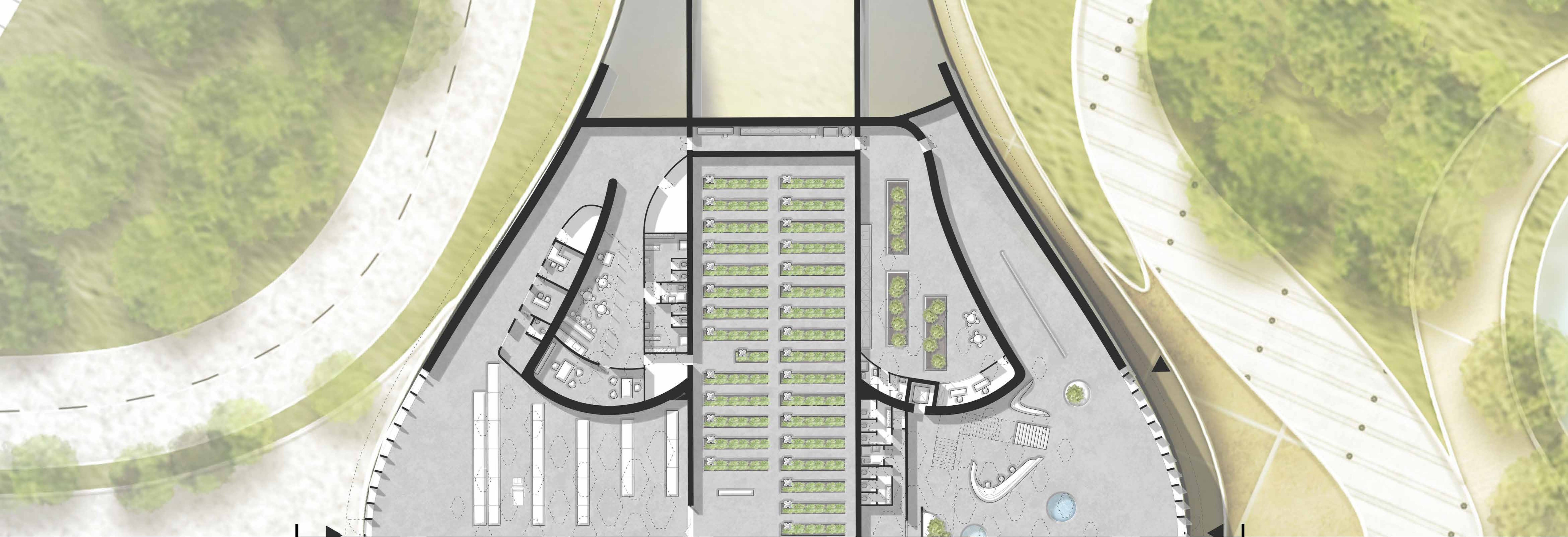
- 1 ESPOSIZIONE 200 mq
- 2 COPERTURA VERDE 1640 mq
- TOT: 1840 mq



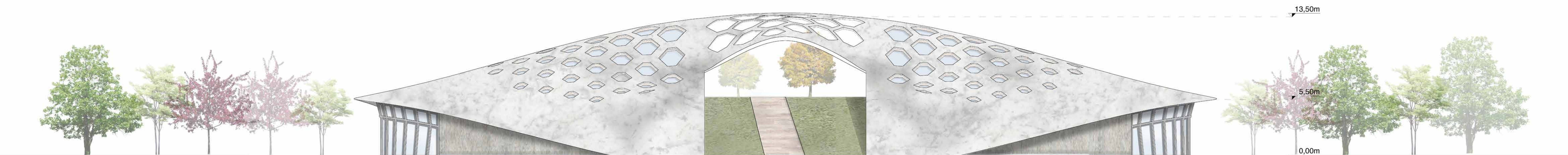
SEZIONE LONGITUDINALE



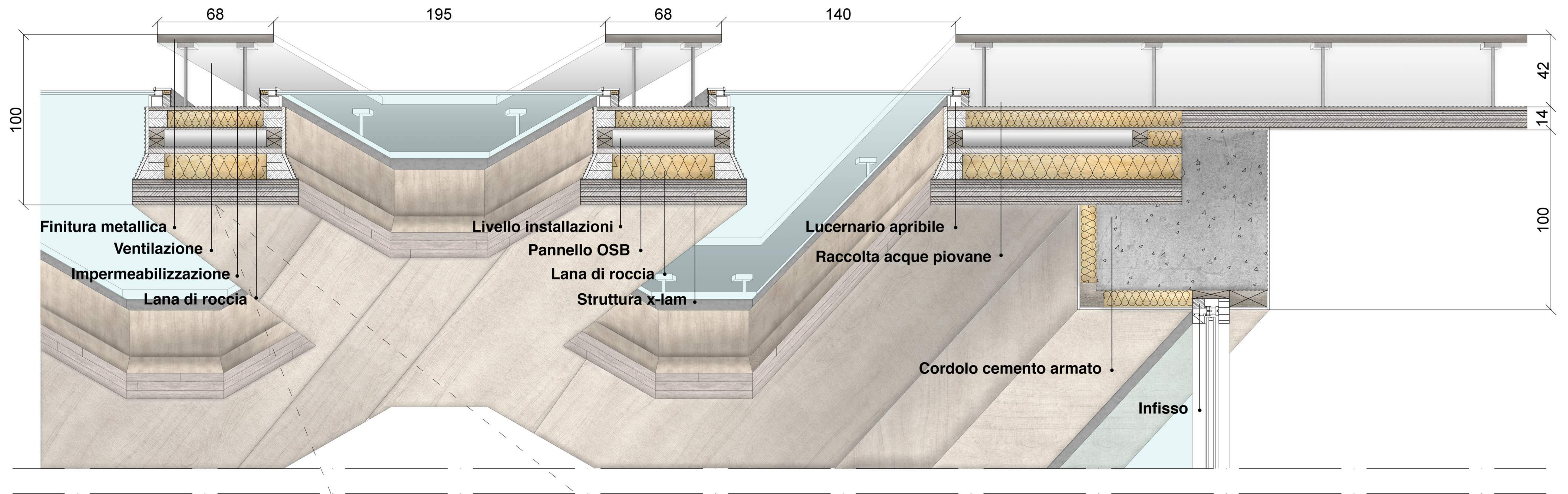
PROSPETTO SUD



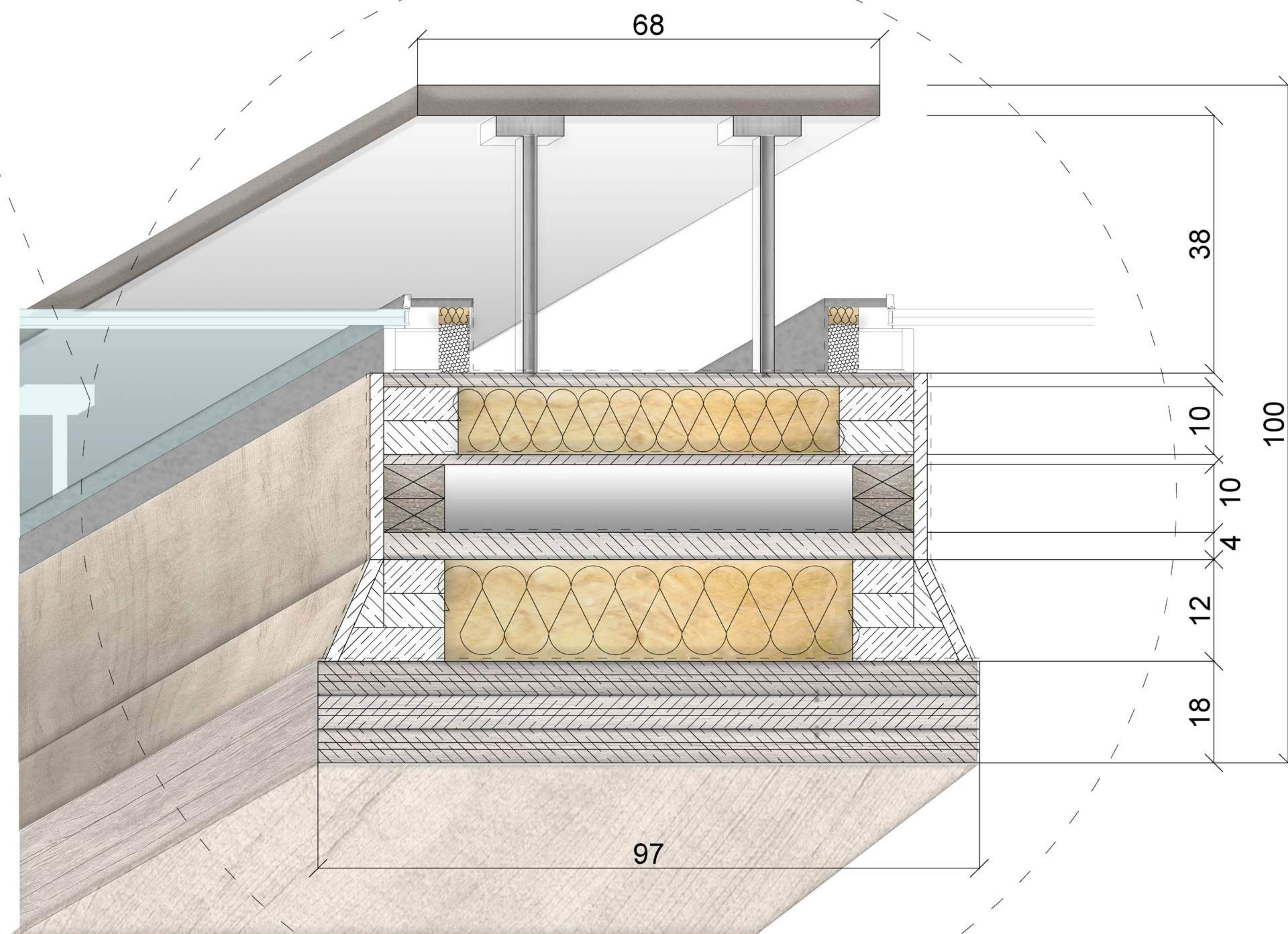
PIANTA PIANO PRIMO



PROSPETTO SUD



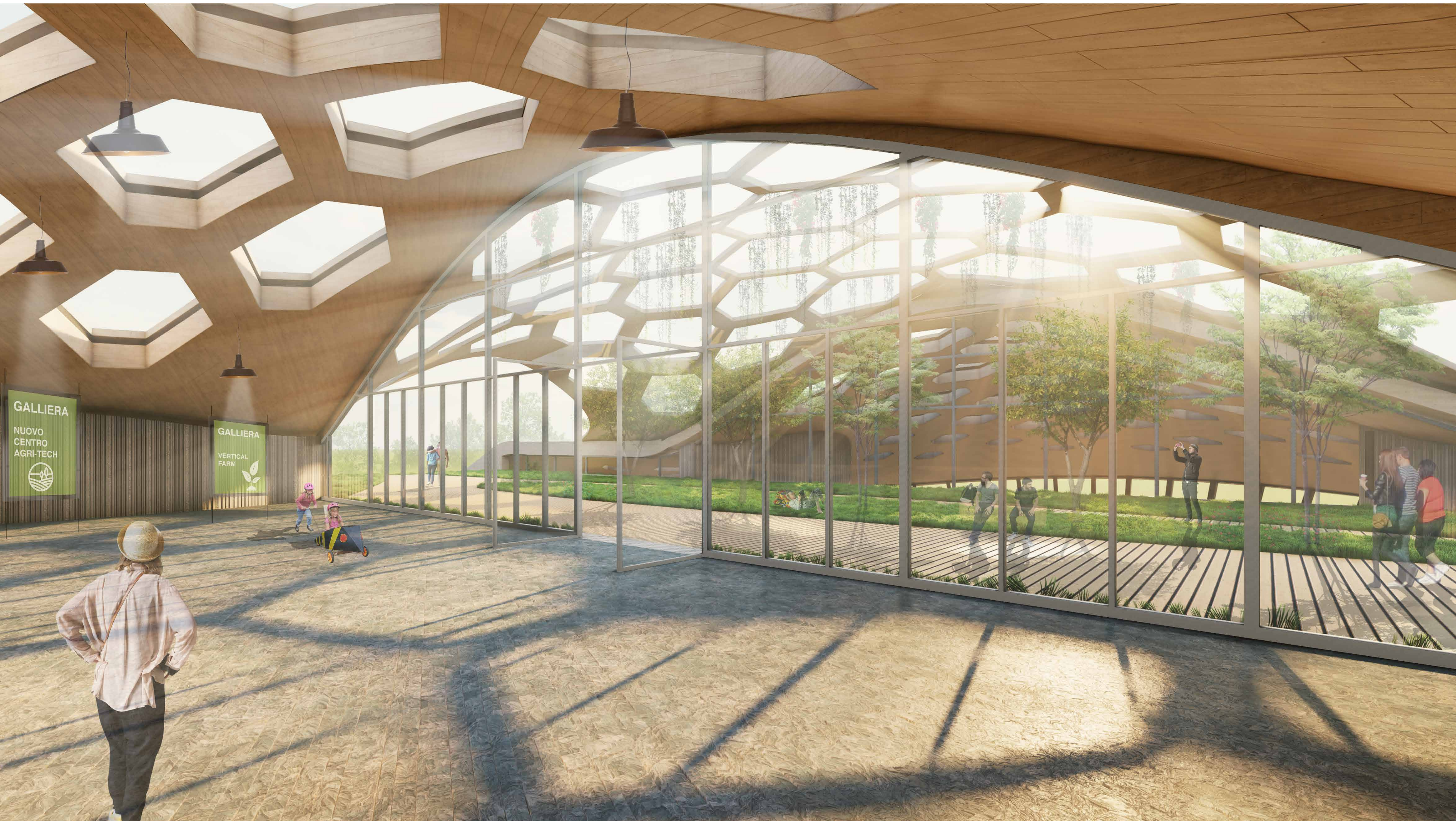
SEZIONE COPERTURA 1:10



DETTAGLIO 1:4



VISTA ESTERNA TECNOPOLO





GALLIERA



VISTA GENERALE AREA DI PROGETTO

