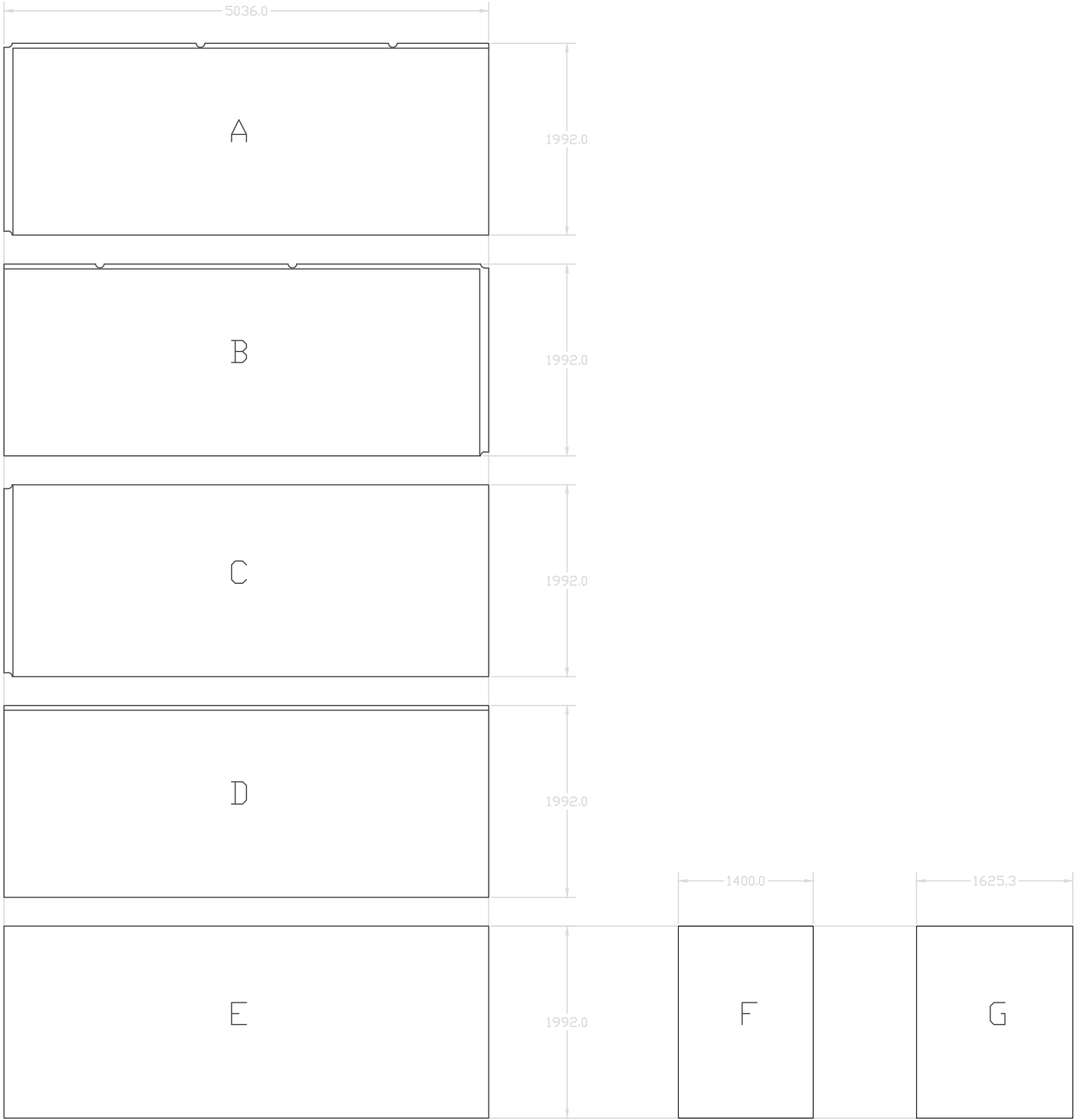


Description  
Ground floor

Drawing number  
AR-021

SCALE 1:50



**A**  
2 peces  
Panell amb tub: sí  
UHPC negre + decapat PC27 + hidrofugant

**B**  
2 peces  
Panell amb tub: sí  
UHPC negre + decapat PC27 + hidrofugant

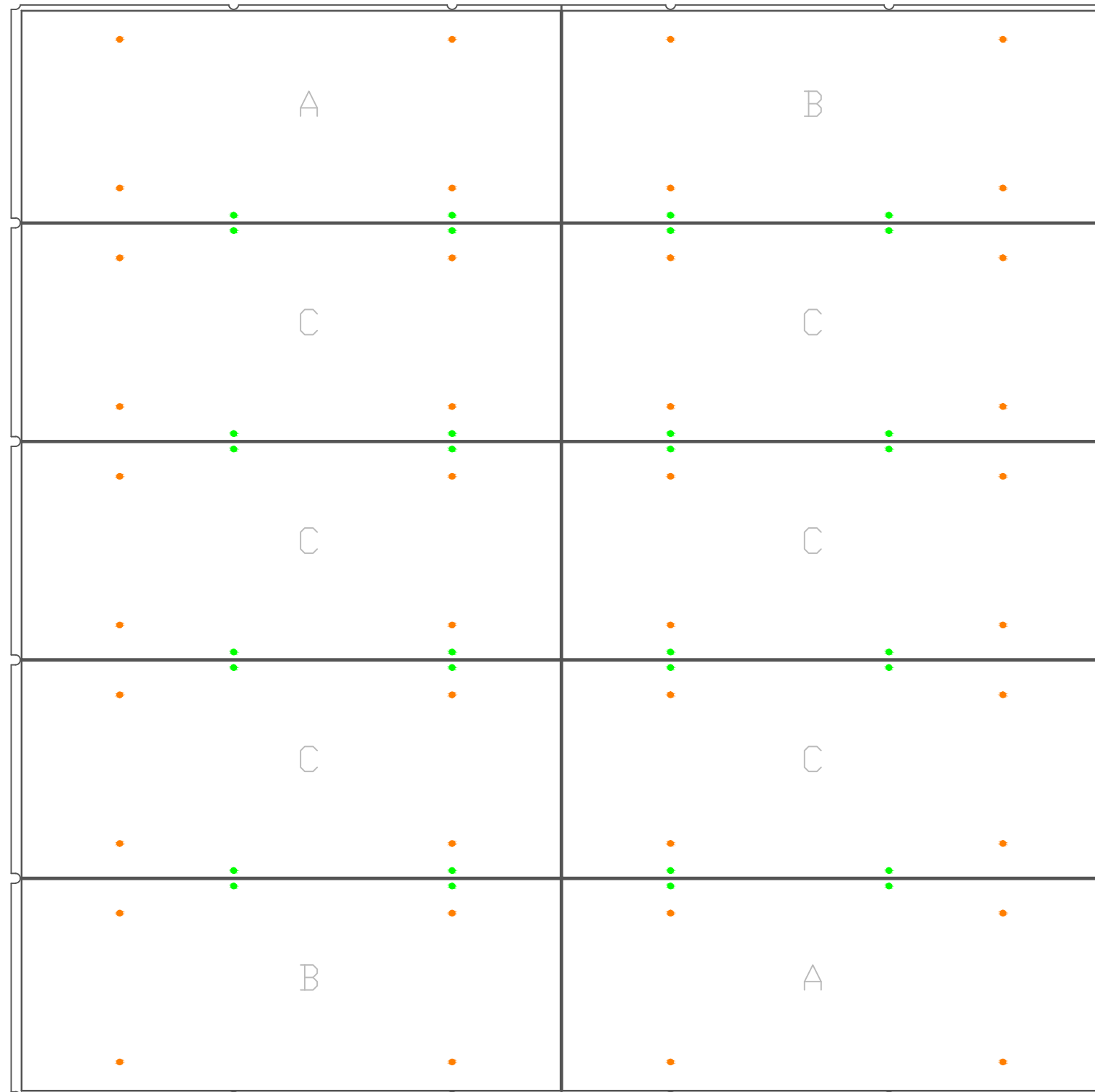
**C**  
6 peces  
Panell amb tub: sí  
UHPC negre + decapat PC27 + hidrofugant

**D**  
3 peces  
Panell amb tub: no  
UHPC gris + decapat PC35

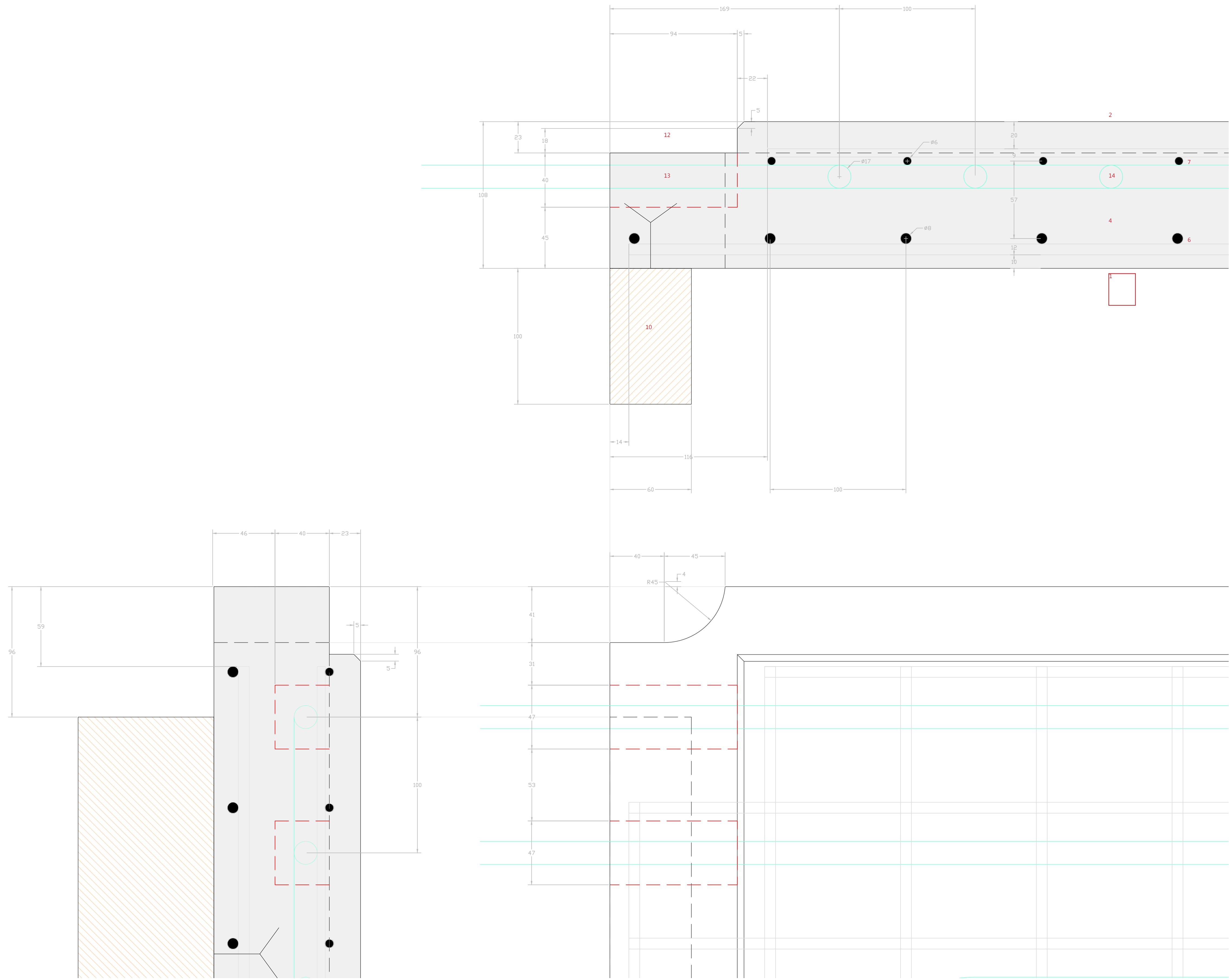
**E**  
5 peces  
Panell amb tub: no  
UHPC gris + decapat PC35

**F**  
2 peces  
Panell amb tub: no  
UHPC gris + decapat PC35

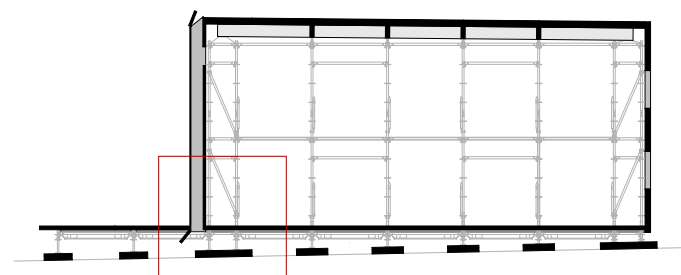
**G**  
1 peça  
Panell amb tub: no  
UHPC gris + decapat PC35



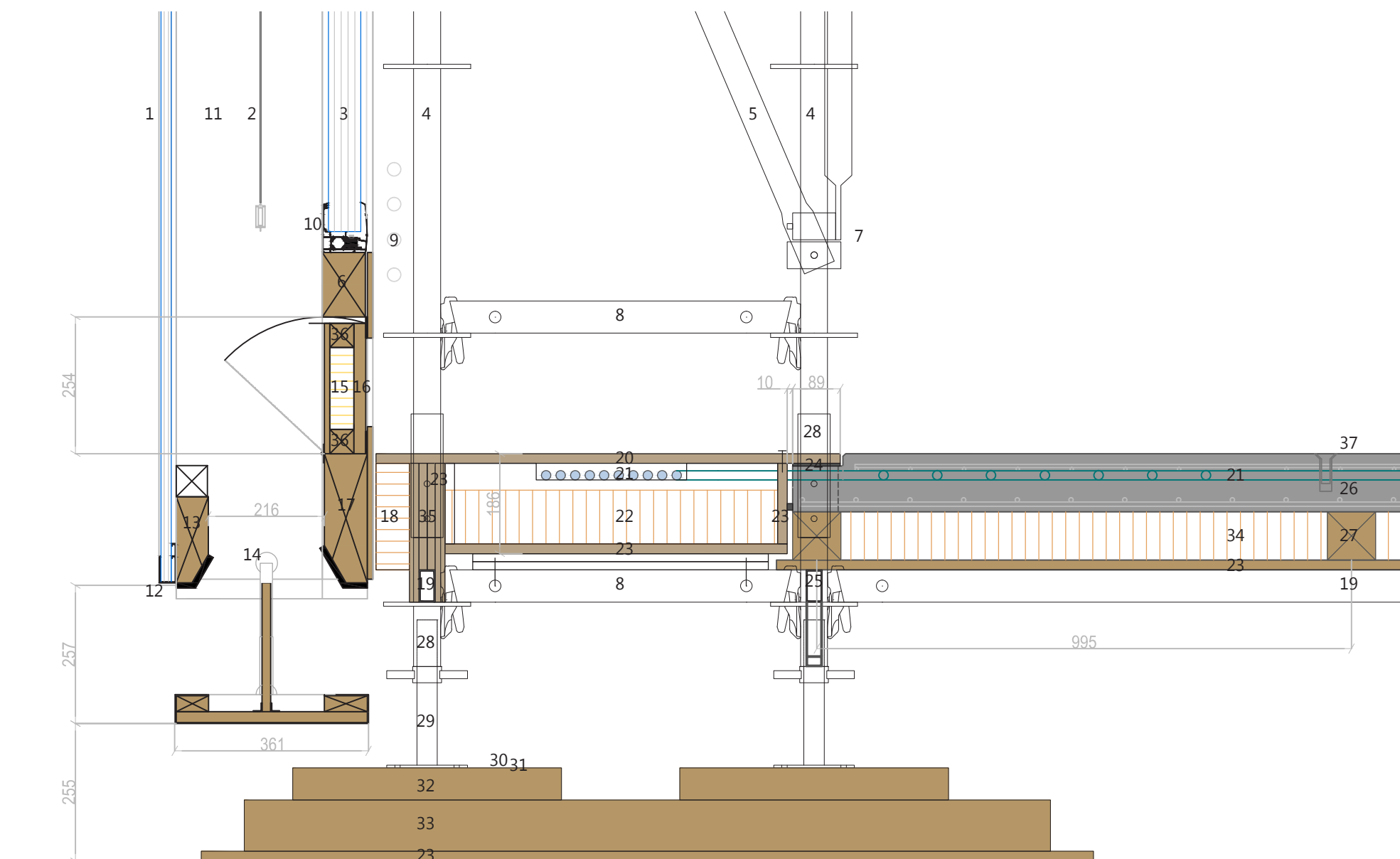




- 1. Cara dolenta
- 2. Cara bona: Acabat del formigó decapat i amb una capa de pintura hidrofugant. (Reliscabilitat PC27)
- 4. UHPC Negre
- 6. Mallazo d'acer inoxidable Ø8. 10x10
- 7. Mallazo d'acer inoxidable Ø6. 10x10
- 10. Llistó de fusta de 60x100x1800mm embegut al panell. Tractat autoclave, amb sals de coure o similar
- 12. Reserva: 94x23mm
- 13. Reserva pels tubs de poliestiré expandit: 94x40x47mm. Proveïdor: Resso
- 14. Tub multicapa de 17mm col·locat cada 100mm. Proveïdor: ALB



- |   |               |
|---|---------------|
| 1. Cellular polycarbonate 324             | 20mm          |
| 2. Sunscreen fabric                       | 1mm           |
| 3. Cellular polycarbonate 5613            | 60mm          |
| 4. UVR 300                                | 50Ømm         |
| 5. Diagonal brace UBC 72-104/200          | 50Ømm         |
| 6. Timber batten                          | 120x80mm      |
| 7. Steel coupler                          |               |
| 8. Ledger UH 72                           | 30x60mm       |
| 9. Polybutylene water pipes               | 22 and 26 Ømm |
| 10. 5613 Polycarbonate frame of aluminium | 88x83mm       |
| 11. Rib of glued and nailed plywood       | 3x18mm = 54mm |
| 12. 324 Polycarbonate frame of aluminium  | 50x32mm       |
| 13. Timber batten                         | 60x160mm      |
| 14. Pneumatic piston                      |               |
| 15. Cotton insulation                     | 50mm          |
| 16. Plywood                               | 22mm          |
| 17. Timber batten                         | 240x80mm      |
| 18. Junction                              |               |
| 19. Ledger UH 200                         | 30x60mm       |
| 20. Plywood bodywork truck                | 18mm          |
| 21. Undergrpound heater water pipe        | 17mm          |
| 22. Cotton insulation                     | 100mm         |
| 23. Plywood                               | 18mm          |
| 24. Neoprene                              | 5mm           |
| 25. Reinforced Ledger UHV 200             | 180x30mm      |
| 26. UHP black Concrete                    | 108mm         |
| 27. Timber batten                         | 90 x 90mm     |
| 28. Pillar UVB 24                         | 50Ømm         |
| 29. Adjustable base UJB 17-28/50          | 38Ømm         |
| 30. PVC waterproof layer                  | 2mm           |
| 31. Drainage layer                        | 1mm           |
| 32. CLT 500x500                           | 60mm          |
| 33. CLT 1500x1000                         | 95mm          |
| 34. Cotton insulation                     | 90mm          |
| 35. Plywood                               | 15mm          |
| 36. Timber batten                         | 45x45mm       |
| 37. Descale and water repellent treatment |               |



Description  
Wall Sections and  
Construction details

Drawing number  
AR-341b

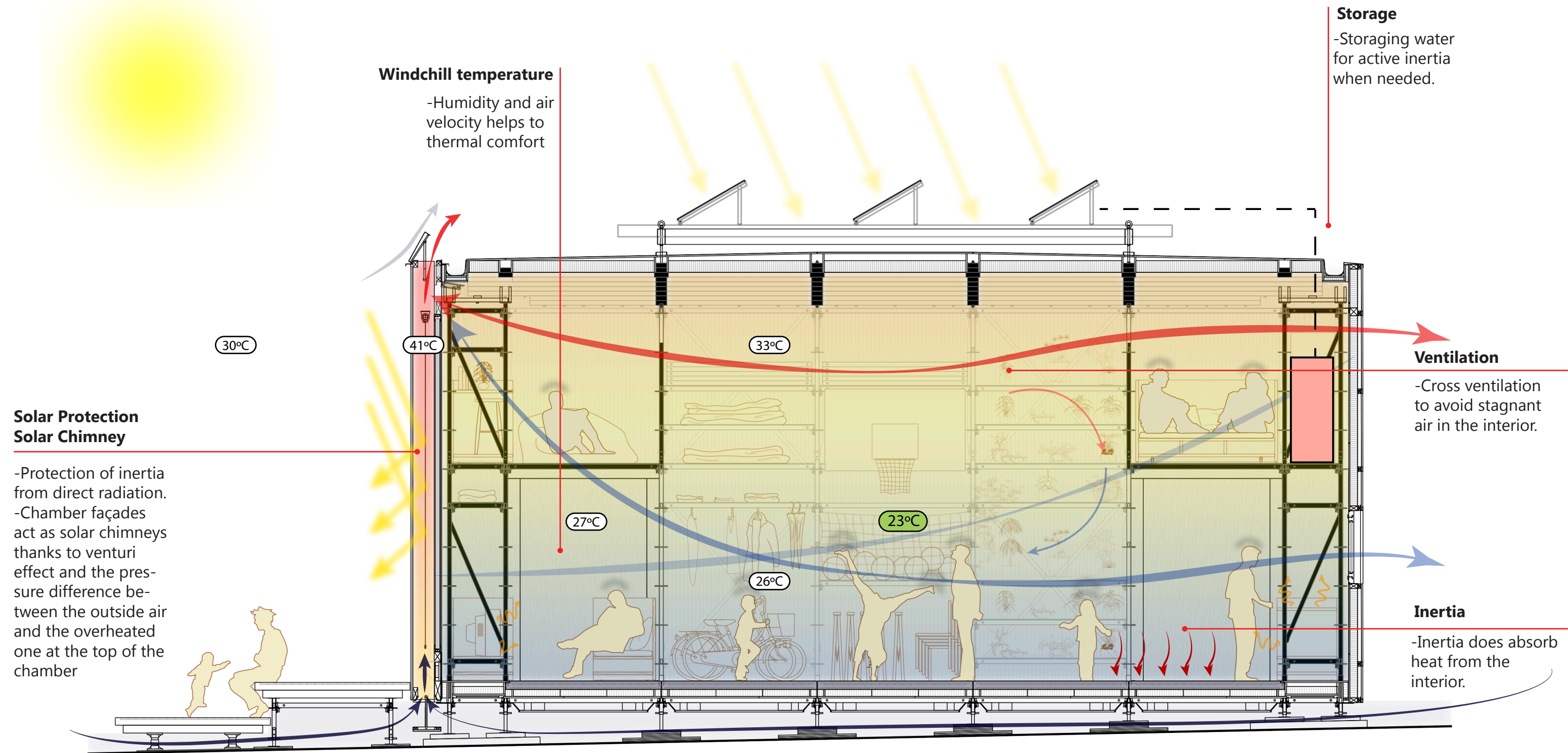
SCALE 1:5

**reosò**  
www.reso.upc.edu

**Solar**  
Decathlon  
Europe

Page  
22





**Case A**  
Day with radiation > 0.4 KW/m2  
Summer day



# reosò

l'intérêt collectif

## ORGANIZERS



UNIVERSITAT POLITÈCNICA  
DE CATALUNYA  
BARCELONATECH

## COLLABORATORS

Ajuntament  de Rubí

## PLATINUM SPONSORS



## GOLD SPONSORS



## SILVER SPONSORS



## BRONZE SPONSORS



## COMPETITION



## COMPETITION ORGANIZERS

