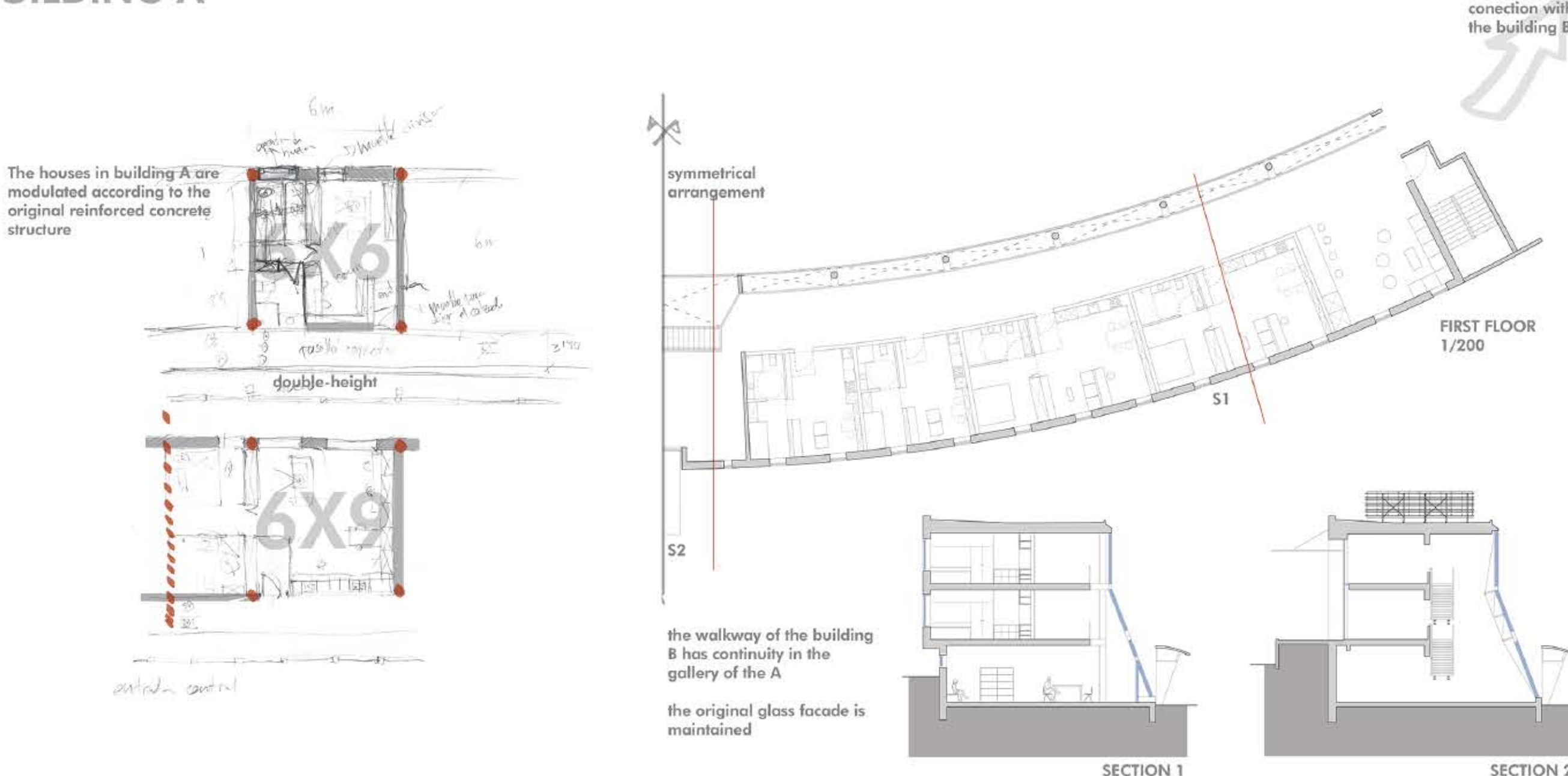


## BUILDING B

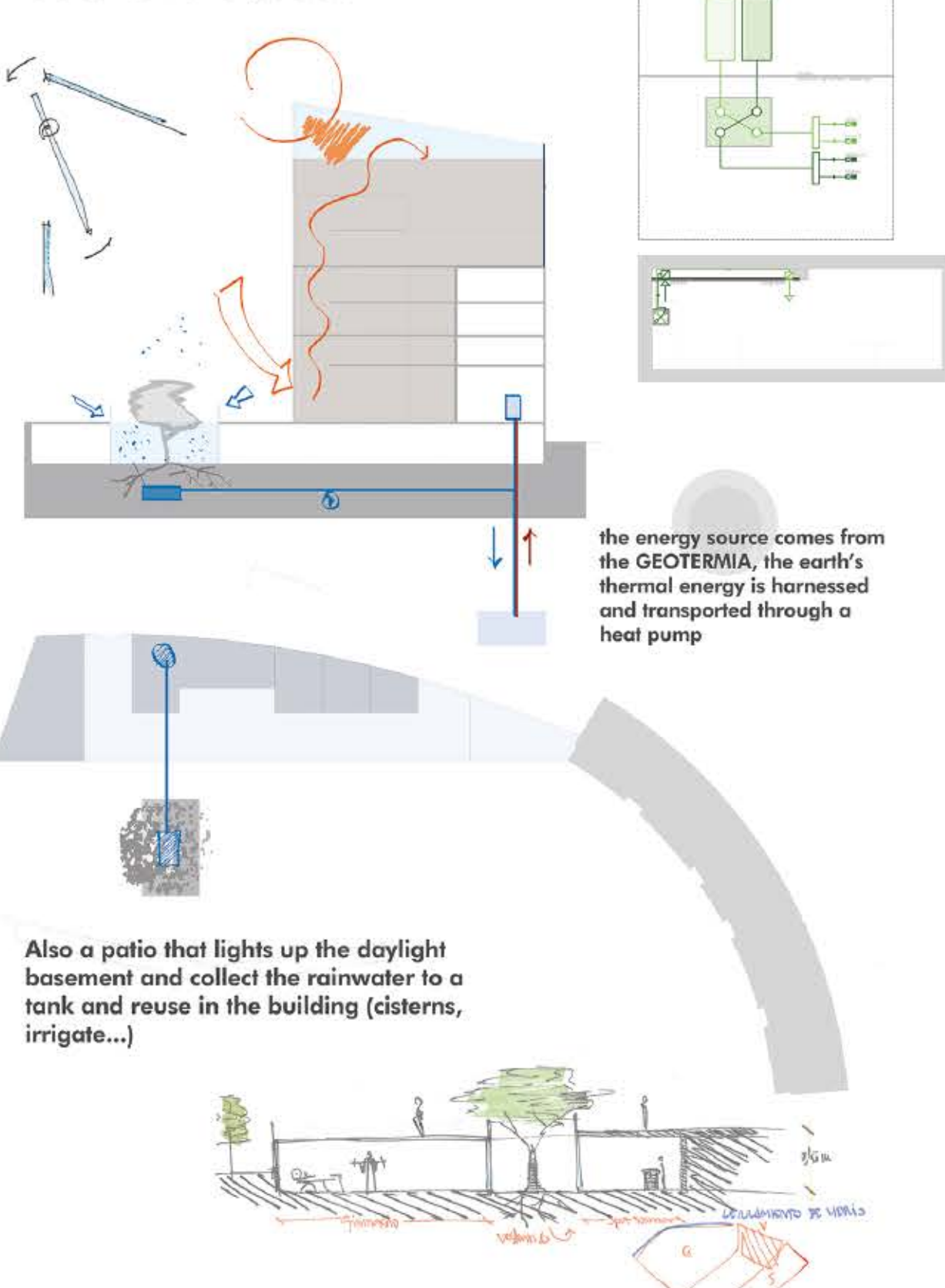


## BUILDING A

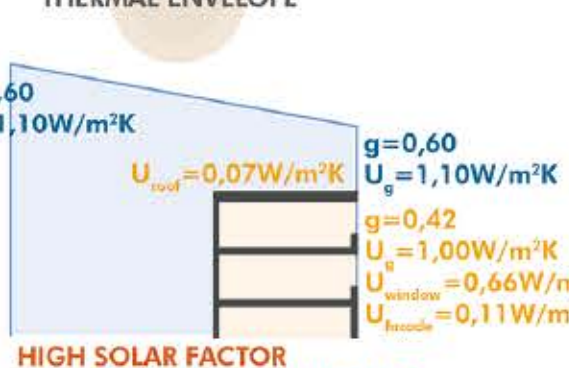


### PASSIVE MEASURES FOR THE CONEORT

- 1 The south-facing greenhouse conditioning living spaces and creates a microclimate. With the possibility of ventilating with a mechanical opening when detecting high levels of CO<sub>2</sub> or temperature.
- 2 Heat recovery ventilation by the technical ceiling in wet areas and minimize losses.



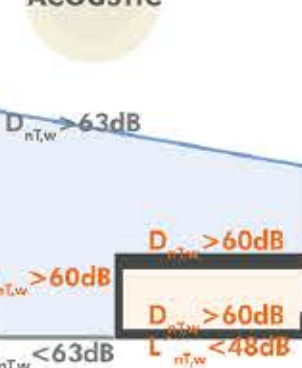
## THERMAL ENVELOPE



## FIRE PROTECTION

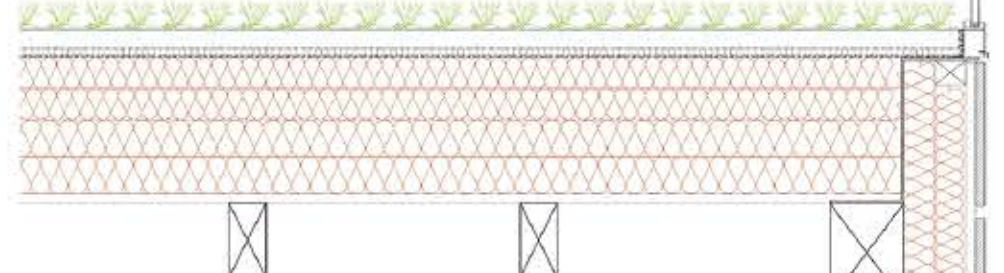


## ACQUSTIC



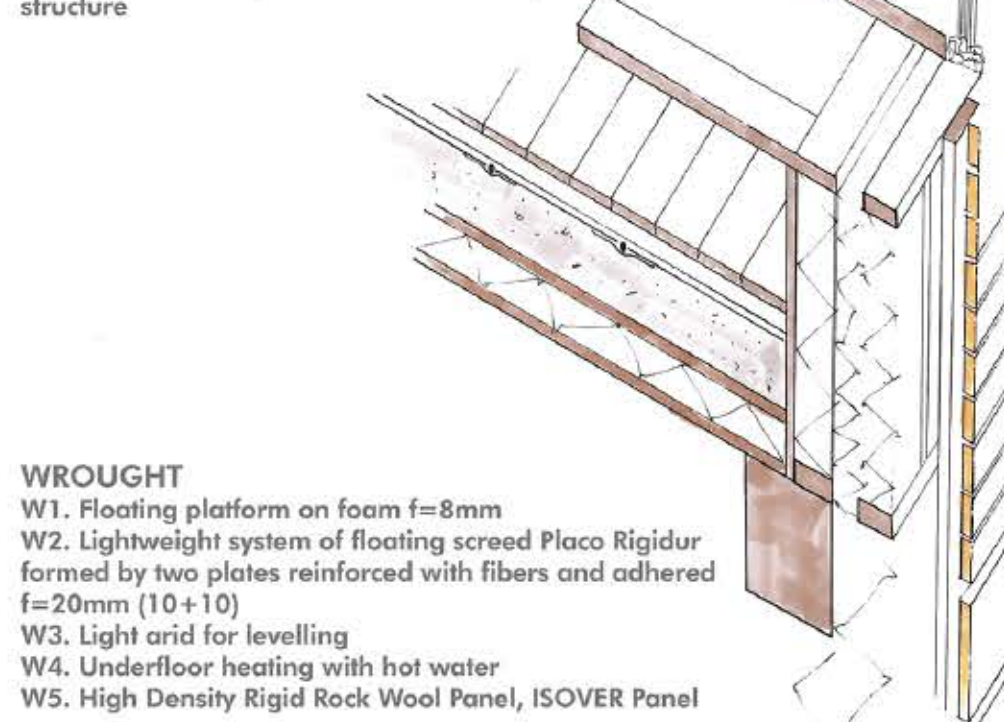
## ROOF

- R1. Sedum vegetation
- R2. Plant substrate, thickness 60mm with drip irrigation system
- R3. Rootbarrier
- R4. Draining sheet for plant cover
- R5. Geotextile felt
- R6. Waterproof sheet for earring 0
- R7. Geotextile felt
- R8. Thermal insulation rigid panel of rock wool ISOVER  $t=400\text{mm}$  (100/100/120/120)
- R9. Vapor barrier
- R10. Finis Superpan H Tech P5 E-Z plywood structural



## FACAI

- F1. Wood joint:  $F = 69\text{ mm}$ ,  $U = 1,20\text{ W/m}^2\text{K}$  with double type SAINT-GOBAIN Glass Planitherm XN  $g = 0,65$   
 $U = 1,10\text{ W/m}^2\text{K}$   
 F2.  $30x20x1200\text{ mm}$  autoclaved pine wood table  
 F3.  $30x30\text{ mm}$  autoclaved pine wood tracer  
 F4.  $40\text{ mm}$  ventilated air chamber  
 F5. Thermal insulation of rock wool ISOVER Ecovent  $U = 180\text{ mm}$  (80/100) fastened between crawlers  
 F6. Traceability of autoclaved pine wood  
 F7. Thermoacoustic insulation of mineral wool ISOVER Ecovent D037,  $U = 100\text{ mm}$  fastened between tracers  
 F8. Lightweight autoclaved pine wood frame for facade fastening  
 F9. Workmen carpentry  $U_{\text{carpentry}} = 0,64\text{ W/m}^2\text{K}$  with triple glaze SAINT-GOBAIN Glass Planitherm 4  $g = 0,42$   
 $U = 1,00\text{ W/m}^2\text{K}$   
 F10. Laminated wood board for wet environment  $F = 200\text{ mm}$   
 F11. Furniture integrated in facade with light wood



## LIFE-CYCLE ANALYSIS

Consumption of non-renewable



### Carbon emissions



WROUGHT

- W1. Floating platform on foam  $f=8\text{mm}$
- W2. Lightweight system of floating screed Placo Rigidur formed by two plates reinforced with fibers and adhered  $f=20\text{mm}$  (10+10)
- W3. Light grid for levelling
- W4. Underfloor heating with hot water
- W5. High Density Rigid Rock Wool Panel, ISOVER Panel