

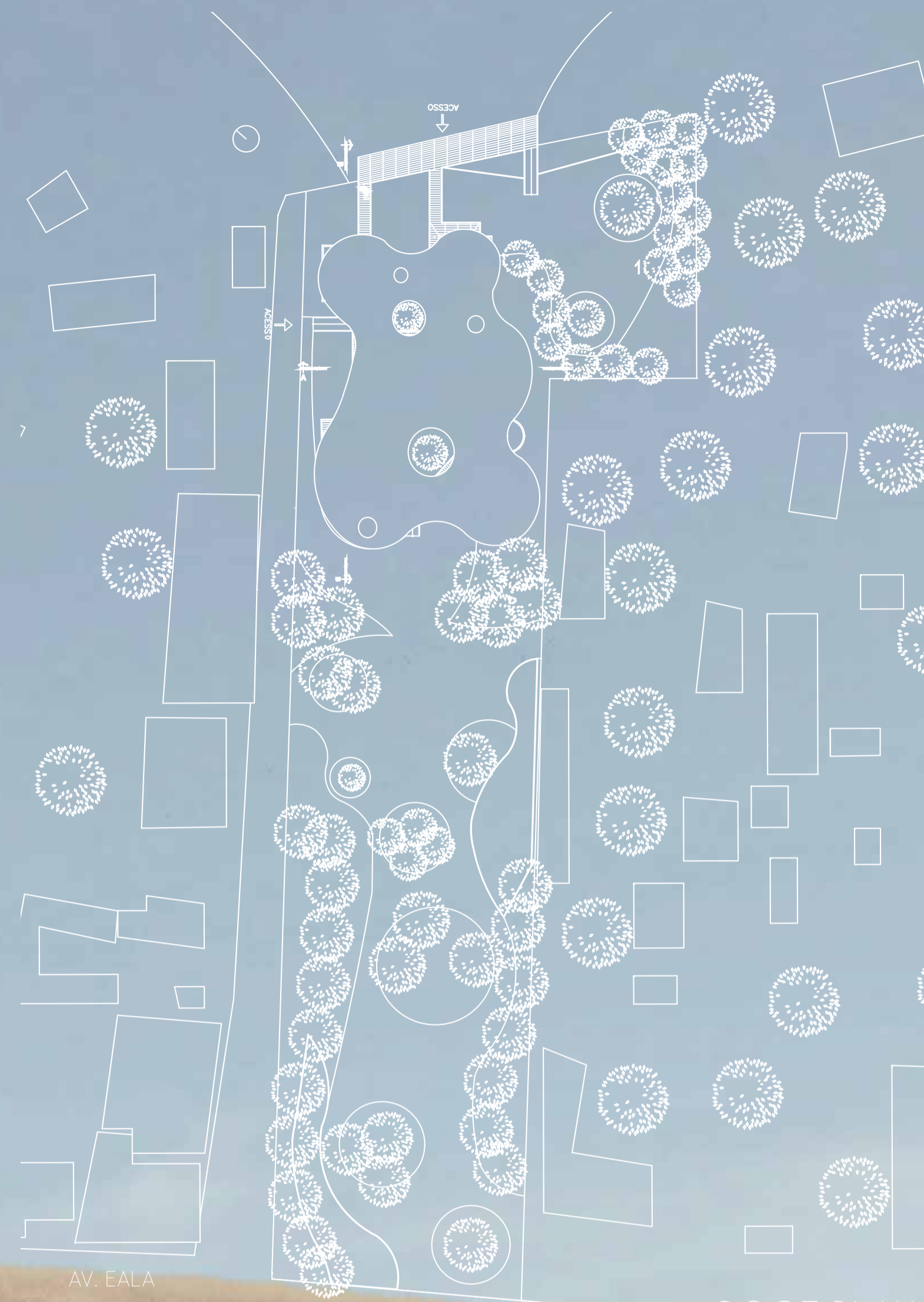
# TROU DE LUMIÈRE

The African continent faces severe consequences of the precariousness of resources and socioeconomic problems related to combating and treating the population in the face of epidemics and natural disasters. The city of Mbandaka, in the Democratic Republic of the Congo, the most biologically diverse country in Africa, exemplifies this scenario, where, in order to mitigate these issues, we propose to establish an Emergency Operations Center (EOC) to accommodate and treat the local population, as well as refugees coming from various locations in North Africa.

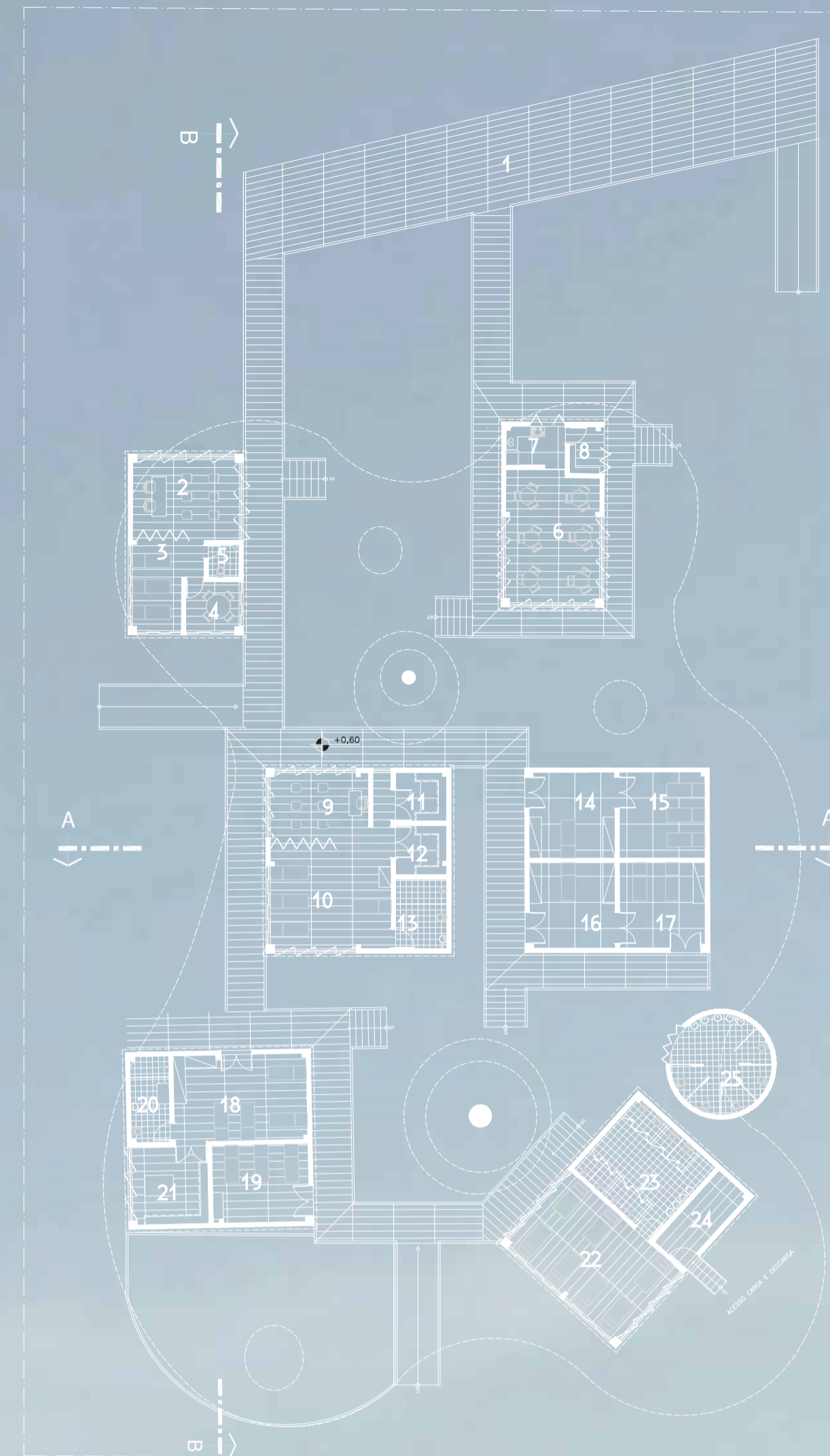
Based on the biomorphic form-generating process known as 'caves and erosion' (Agkathidis, 2017), alluding to the expression 'opening of light' in the french dialect, the Emergency Operations Center is named Trou de Lumière, resulting from the idea of bringing natural light and ventilation into the building, similar to what an opening in a cave would do.

The program is fragmented into modulated components that would allow for access both from the neighboring Congo River and the adjacent Eala Avenue. Comprising of 435 m<sup>2</sup> total, it would include three main zones: (i) Medical - beds, sterile material center, ICU, laundry, operating rooms; blood bank, isolation and hemodialysis (243 m<sup>2</sup>); (ii) Administrative - reception; meeting room, toilets, screening (72 m<sup>2</sup>), and (iii) Service - bedrooms; locker rooms, storage, refectory, kitchen and pantry (120m<sup>2</sup>).

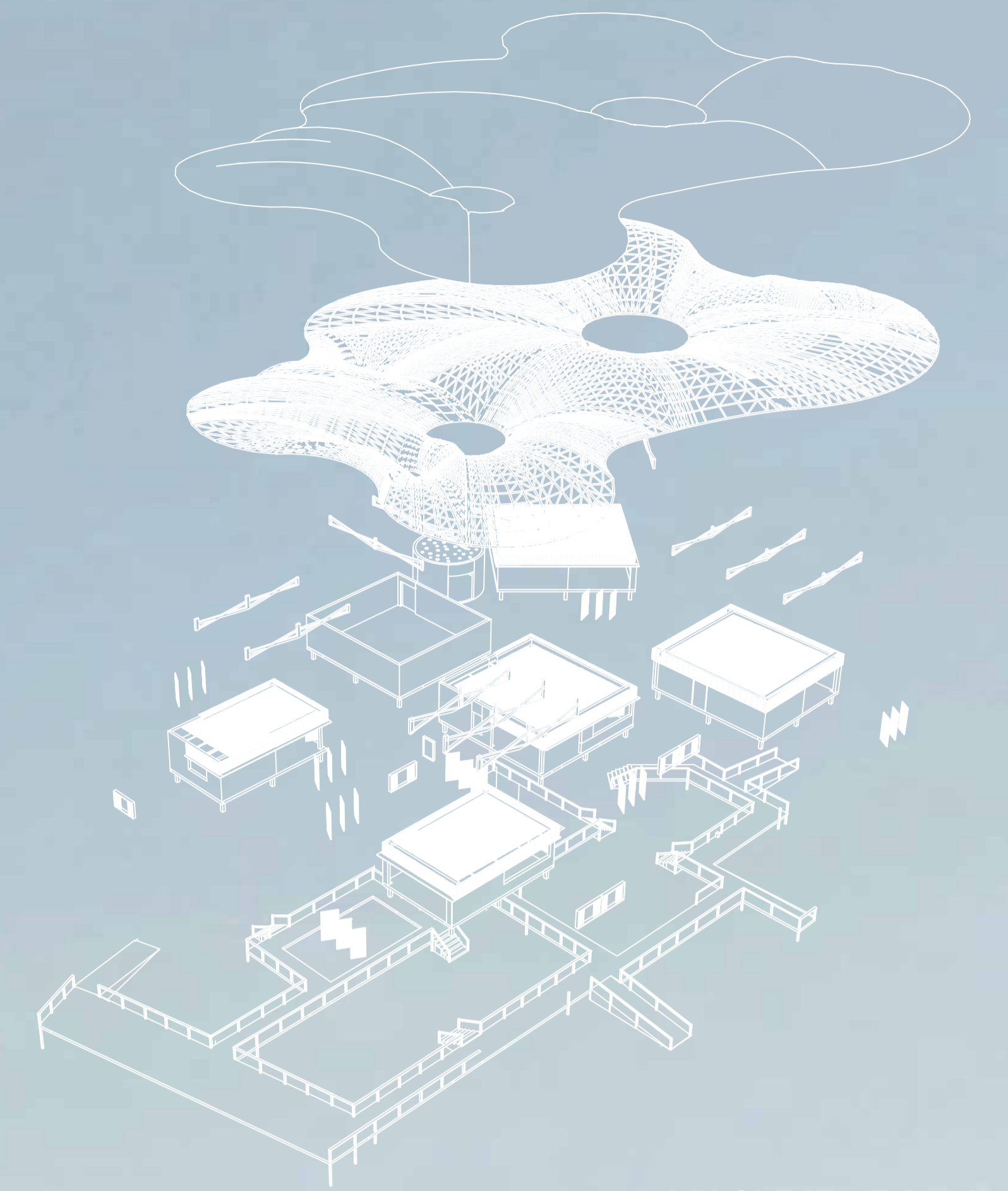
This strategy would also facilitate the construction in phases as needed, as well as, assure cross-ventilation and natural light throughout the complex during the whole year. Besides, morphologically it would establish a better relationship with the smaller scale, fragmented building masses in the surroundings.



ROOF PLAN  
1/1000



GROUND FLOOR PLAN  
1/250



PERSPECTIVE DIAGRAM

## LEGEND

- |                      |                    |
|----------------------|--------------------|
| 1. DECK              | 13. BWC            |
| 2. RECEPTION         | 14. OPERATING ROOM |
| 3. TRIAGE            | 15. ISOLATION ROOM |
| 4. MEETING ROOM      | 16. OPERATING ROOM |
| 5. BWC               | 17. UTI            |
| 6. CAFETERIA         | 18. BED            |
| 7. KITCHEN           | 19. HAEMODIALYSIS  |
| 8. PANTRY            | 20. BWC            |
| 9. RECEPTION         | 21. BLOOD BANK     |
| 10. BEDS             | 22. DORMITORY      |
| 11. STERILIZING ROOM | 23. CHANGING ROOM  |
| 12. MATERIALS ROOM   | 24. DEPOSIT        |
|                      | 25. BWC            |

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