

INTEGRATED BUS TERMINAL AND FREIGHT STATION

PROJECT DESCRIPTION

The Integrated Bus Terminal design is envisioned as a dynamic transportation hub that merges functionality, innovation, and aesthetic appeal. Located at Geter Menged, a key junction at the entrance of Bahir Dar City, this project aims to seamlessly integrate a city bus terminal with a terminal for lorries, catering to diverse transportation needs. The design is inspired by the concept of interconnected rings, symbolizing the flow and linkage of people, goods, and activities. The interlocked building form incorporates two primary functions: Commercial Ring: Houses retail spaces, food courts, and services to enhance user experience and economic activity. Terminal Ring: Includes a spacious waiting area on the ground floor and administrative facilities on the upper floor, ensuring smooth operations and passenger comfort.

NEIGHBOURHOOD CONTEXT



NATURAL AND MAN MADE FEATURES



contour

The land is almost flat, which simplifies construction and minimizes drainage issues, making it easier to accommodate large volumes of vehicles and pedestrians.



Vegetation

There may be limited existing vegetation due to the urban nature of the area. Any available green space should be incorporated into the terminal design for aesthetic appeal and environmental benefits.

Water Drainage

Urban runoff from surrounding areas may impact the site. Sustainable drainage systems should be integrated to manage water flow and minimize flooding risks.

LOCATION

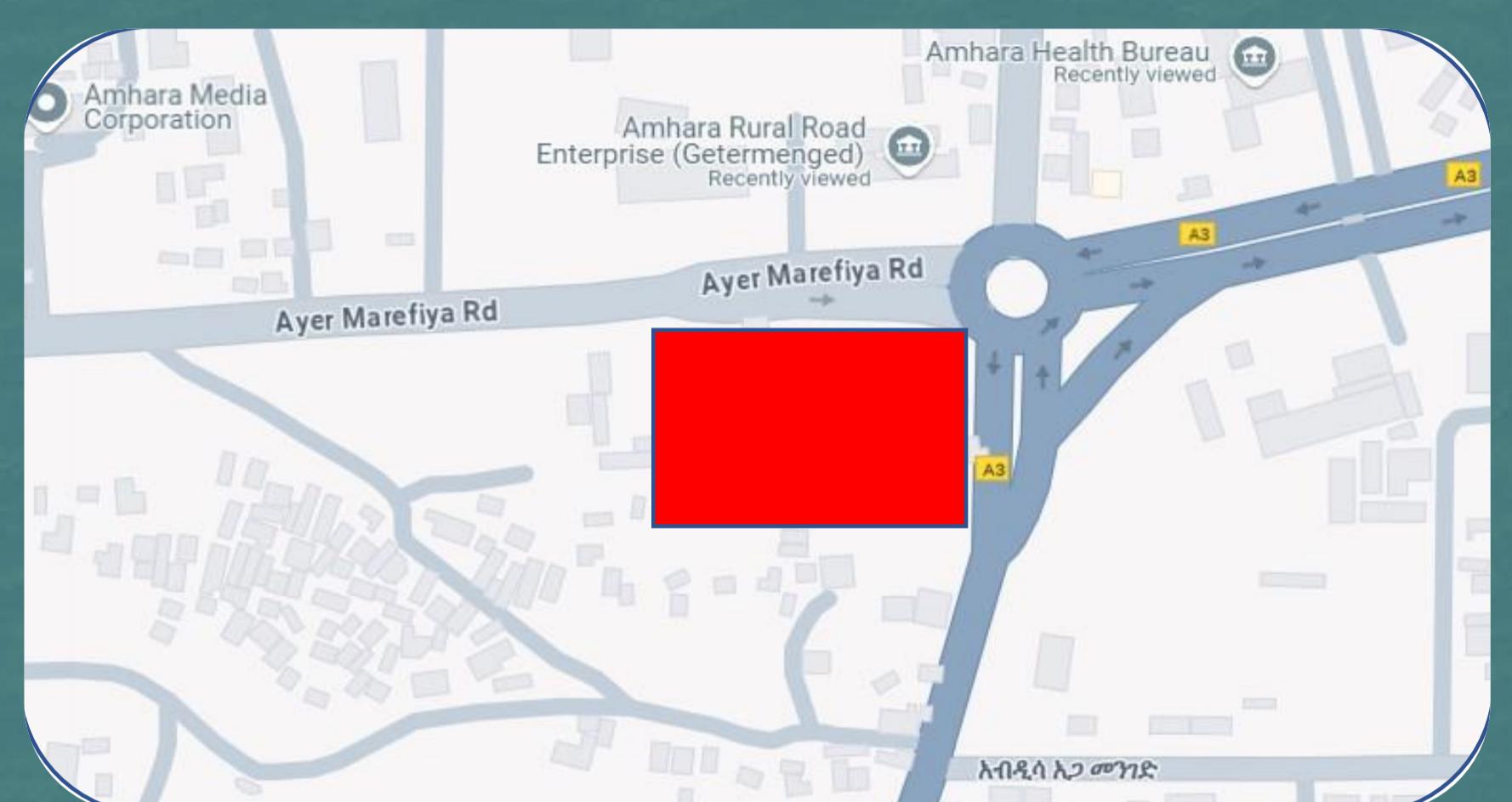
The selected site for the Integrated Bus Terminal is located at the city entrance near Geter Menged Circle, where the road from Belay Zeleke Airport and Injibara meet. This location provides a strategic point of access from the airport and major highways, making it ideal for a transport hub that can serve both local and international travelers. As a point of convergence for travelers arriving from different regions, the location is ideal for a major transport hub connecting local, regional, and international transit routes.



SITE AND ZONING

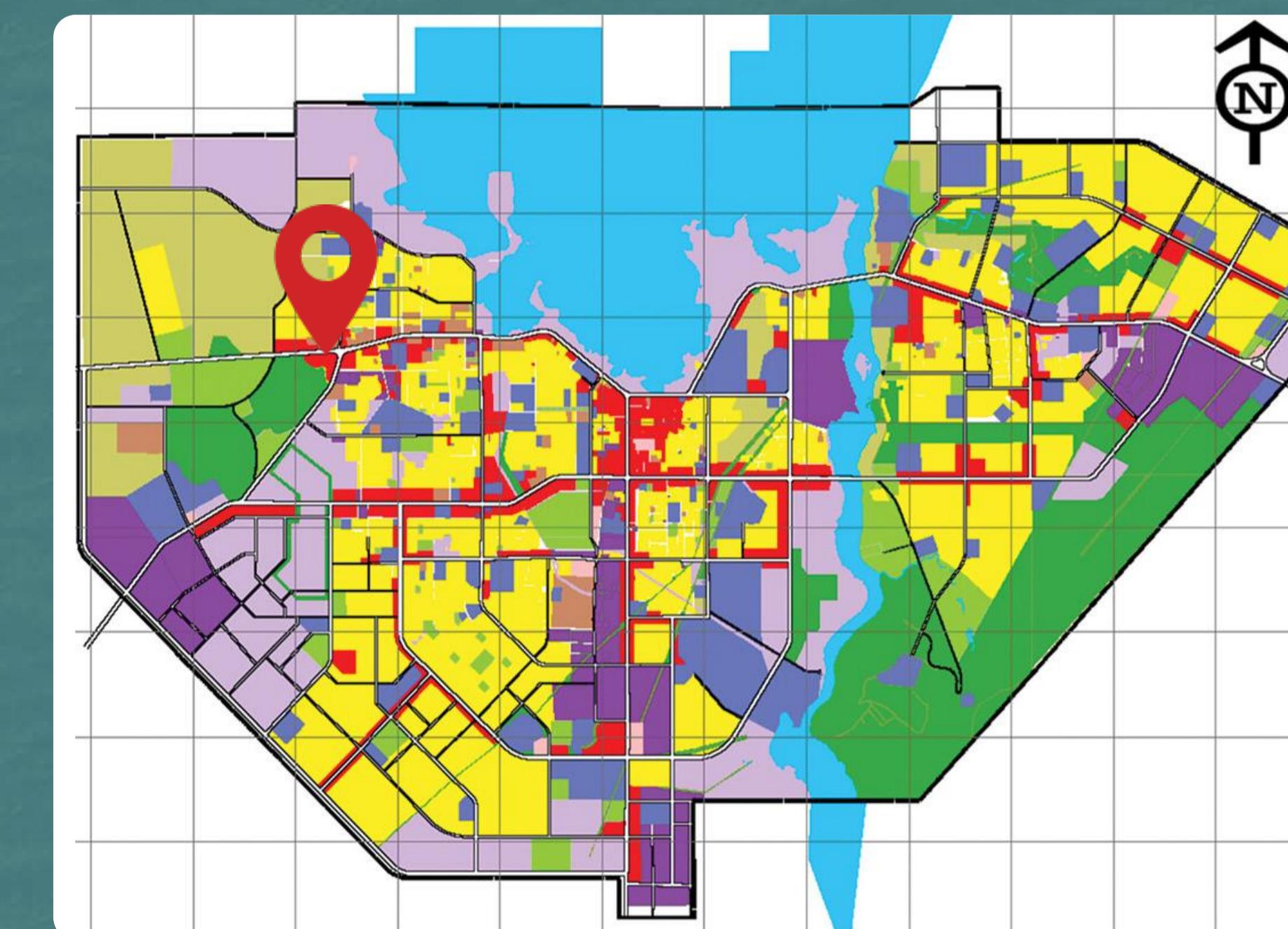
Site Size: 40,000m²

The site is large enough to incorporate multiple facilities, including bus parking bays, passenger waiting areas, retail spaces, and other essential infrastructure. It offers potential for future expansion.



ZONING

The location falls within an urban zone that allows for mixed-use development, meaning that the bus terminal can coexist with retail spaces, offices, and other commercial ventures.

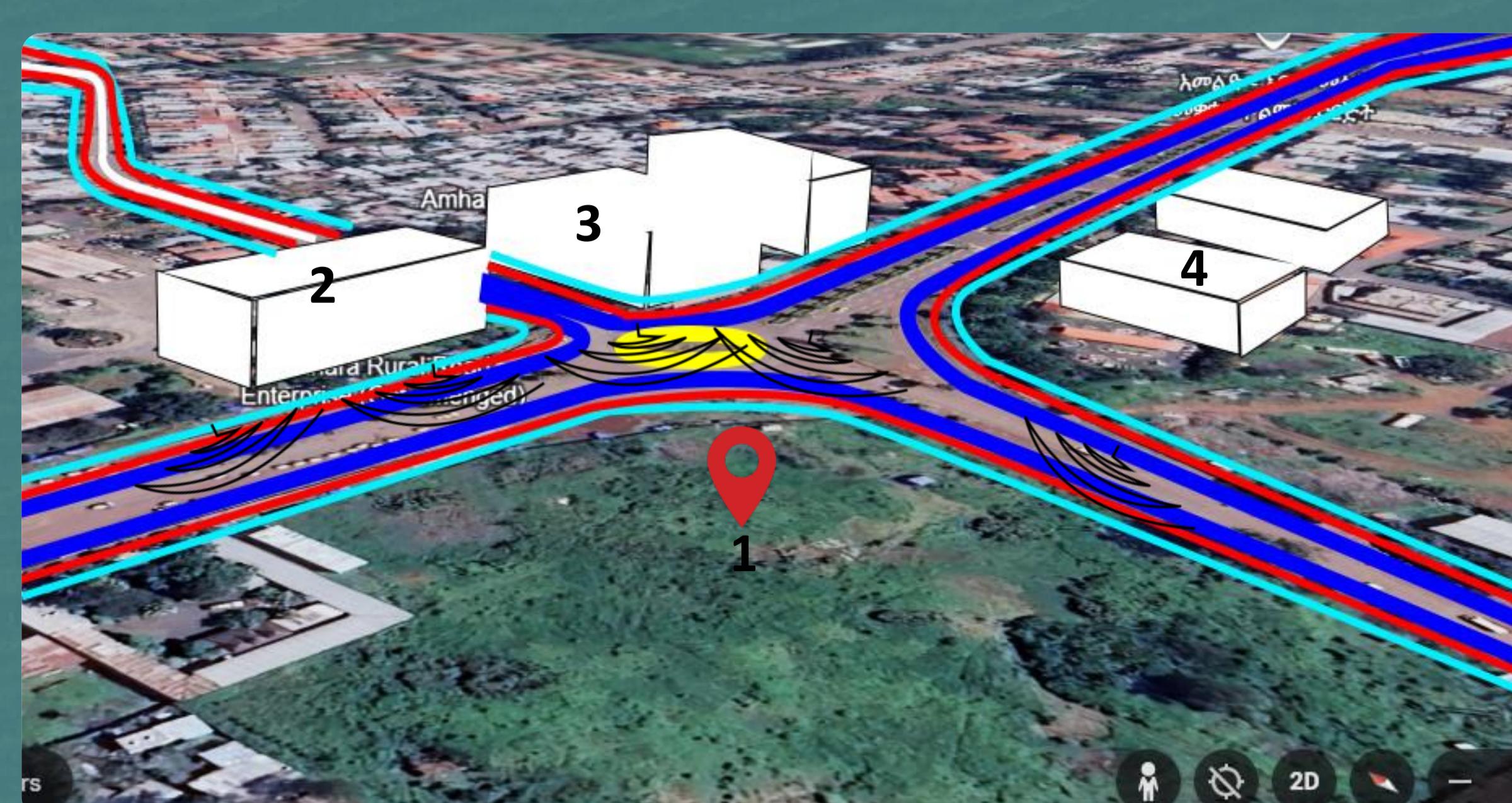


Legal description

The site is situated within the jurisdiction of the local city council, with zoning codes and regulations that apply to urban development, especially for transportation infrastructure integrating commercial. Land ownership and permits need to be verified, including potential land-use restrictions or easements.

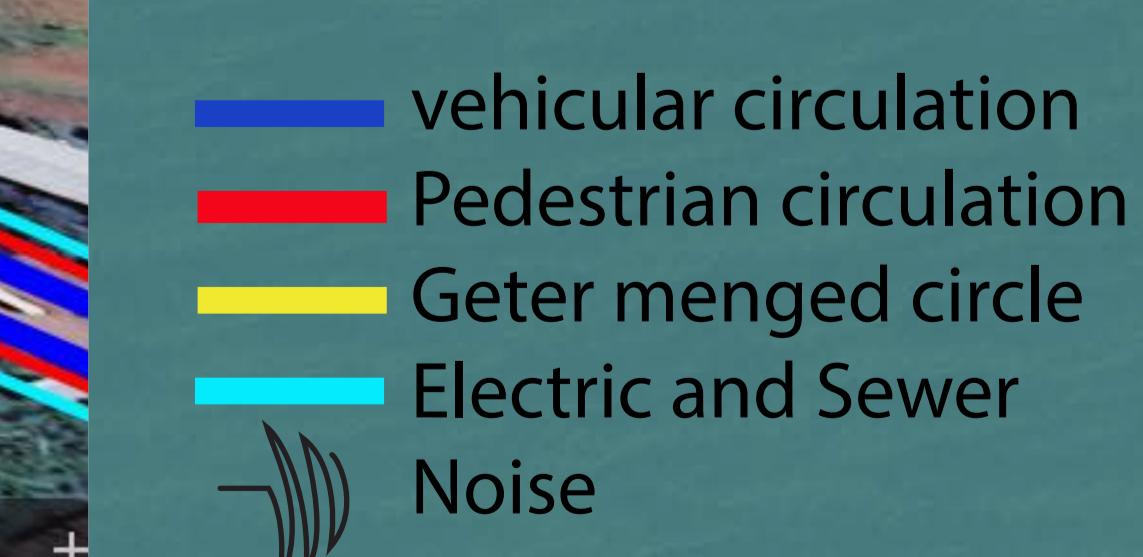
Infrastructure

- Existing roads, including Geter Menged Circle, provide crucial access points. The surrounding commercial buildings, homes, and government offices will be influenced by the development of the bus terminal.
- As the site is within an urban area, basic utilities like electricity, water, and waste management are likely available.



Circulation & utility

- the site
- Amara road enterprise
- Amara health bureau
- homeland hotel



- Prime Location: Strategic position connecting major transport routes (Belay Zeleke Airport and Injibara).
- Accessibility: Close proximity to residential and commercial areas.
- Potential for Future Growth: The site offers space for expansion as transportation demand increases.



- Traffic Congestion: The site is at a busy junction, potentially leading to bottlenecks.
- Noise: High traffic in the area could lead to significant noise pollution, affecting passenger experience.



- Economic Development: The terminal could serve as an economic hub, driving local retail and service industries.
- Cultural Integration: Opportunity to showcase local culture through design and amenities.
- Sustainability: Potential for implementing green technologies, such as solar panels, rainwater harvesting, and eco-friendly materials.



- Environmental Impact: High vehicle traffic and water runoff may negatively impact surrounding environments.
- Budget Constraints: Depending on funding, the scale and amenities of the terminal may be limited.

CONCEPT DEVELOPMENT

The Two Interconnected Rings

The two interconnected rings symbolize the core purpose of the terminal—a connection hub where people and goods converge, fostering communication, movement, and exchange.



INTERCONNECTED RINGS

DEVIDED INTO TWO PART REPRESENTING
MULTIPLE FUNCTION OF THE PROJECT

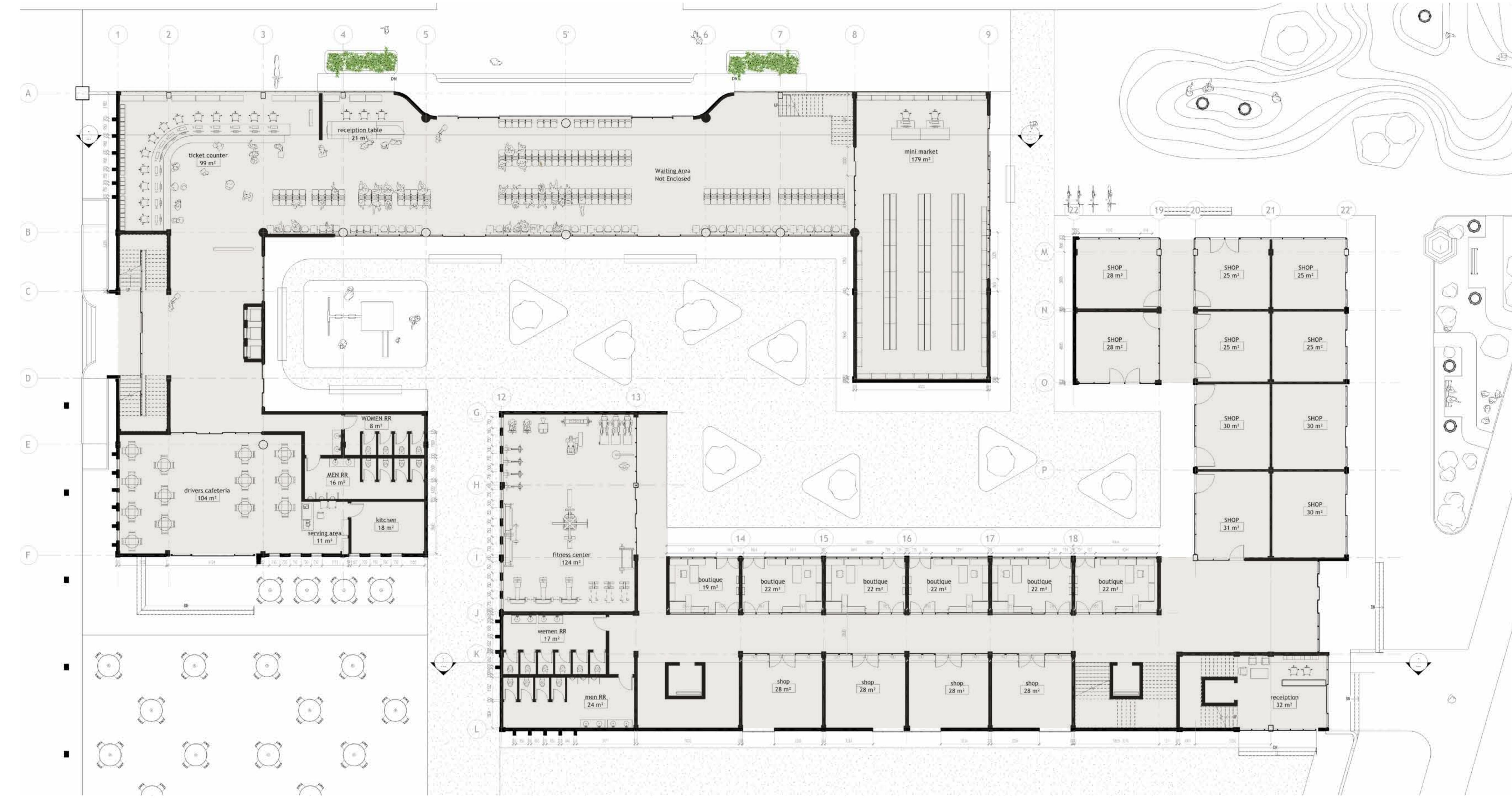
DISTORTFORM FOLLOWING THE ORIENTATION
OF THE SITE



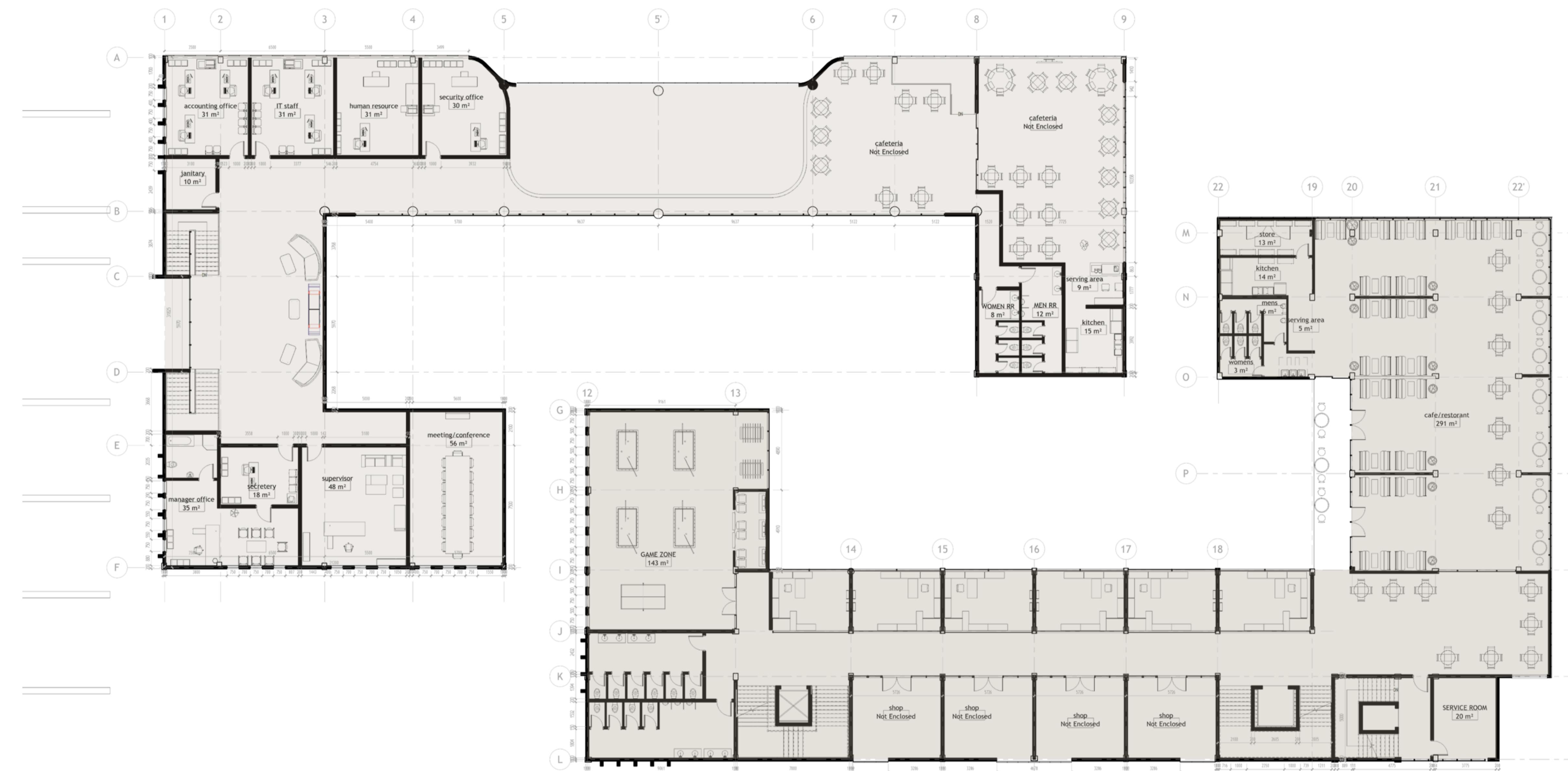
SITEPLAN

LEGENDS

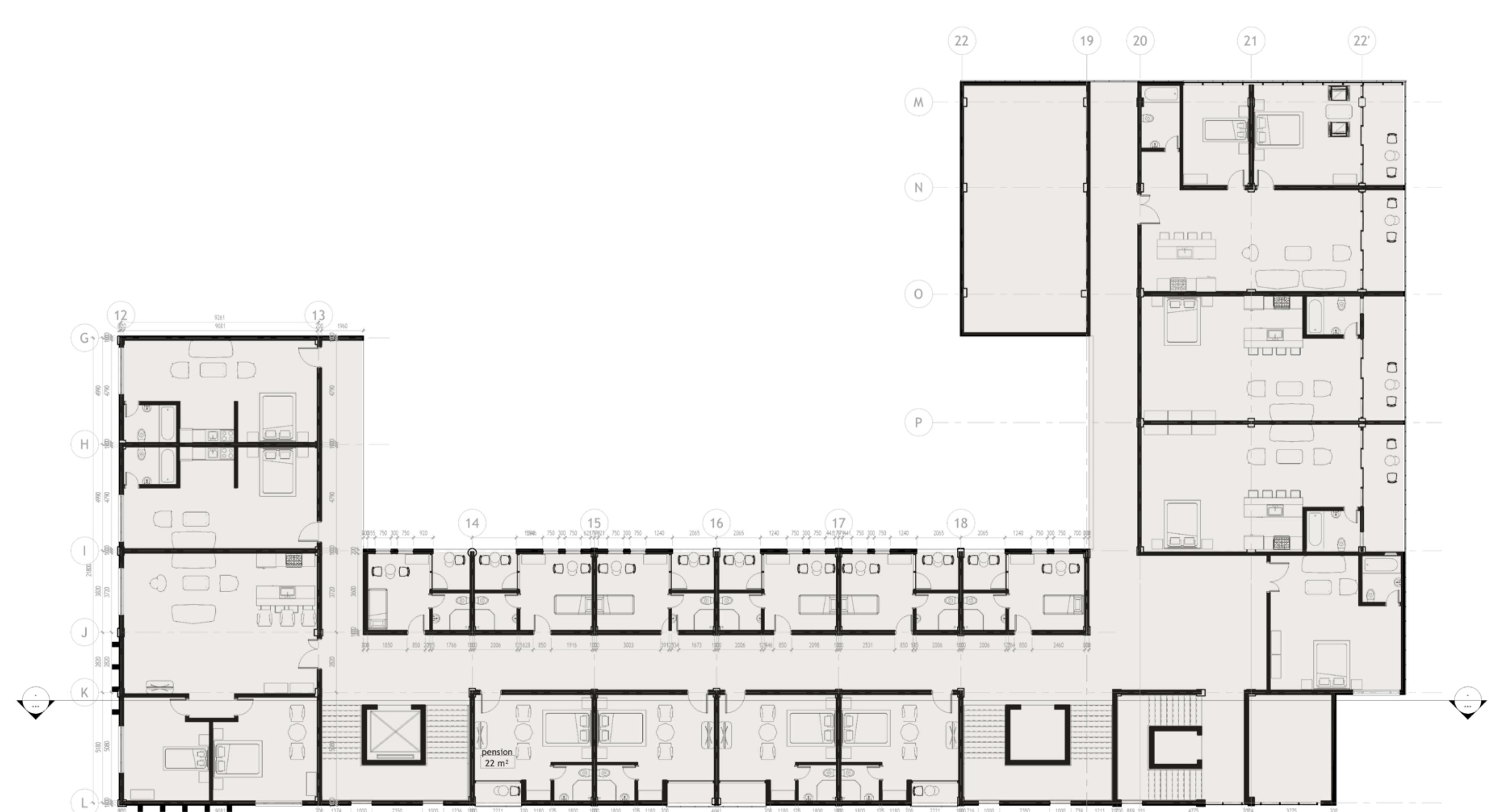
1. BUS TERMINAL
2. COMMERCIAL
3. DEPARTURE
4. ARRIVAL
5. BUSEXIT
6. BUSENTRANCE
7. LORRY EXIT
8. LORRY ENTRANCE
9. WAREHOUSE
10. LORRY PARKING
11. MAINTENANCE
12. GENERATOR ROOM
13. PLAZA



GROUND FLOOR



1ST FLOOR



2ND FLOOR

3D VIEWS

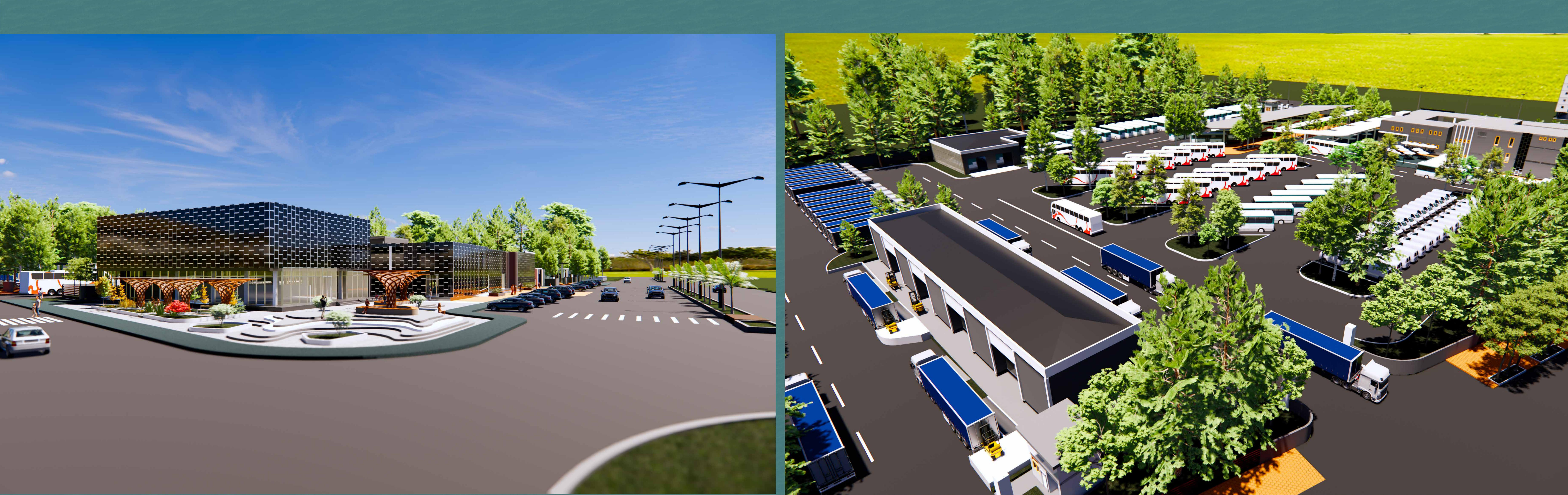


ELEVATIONS

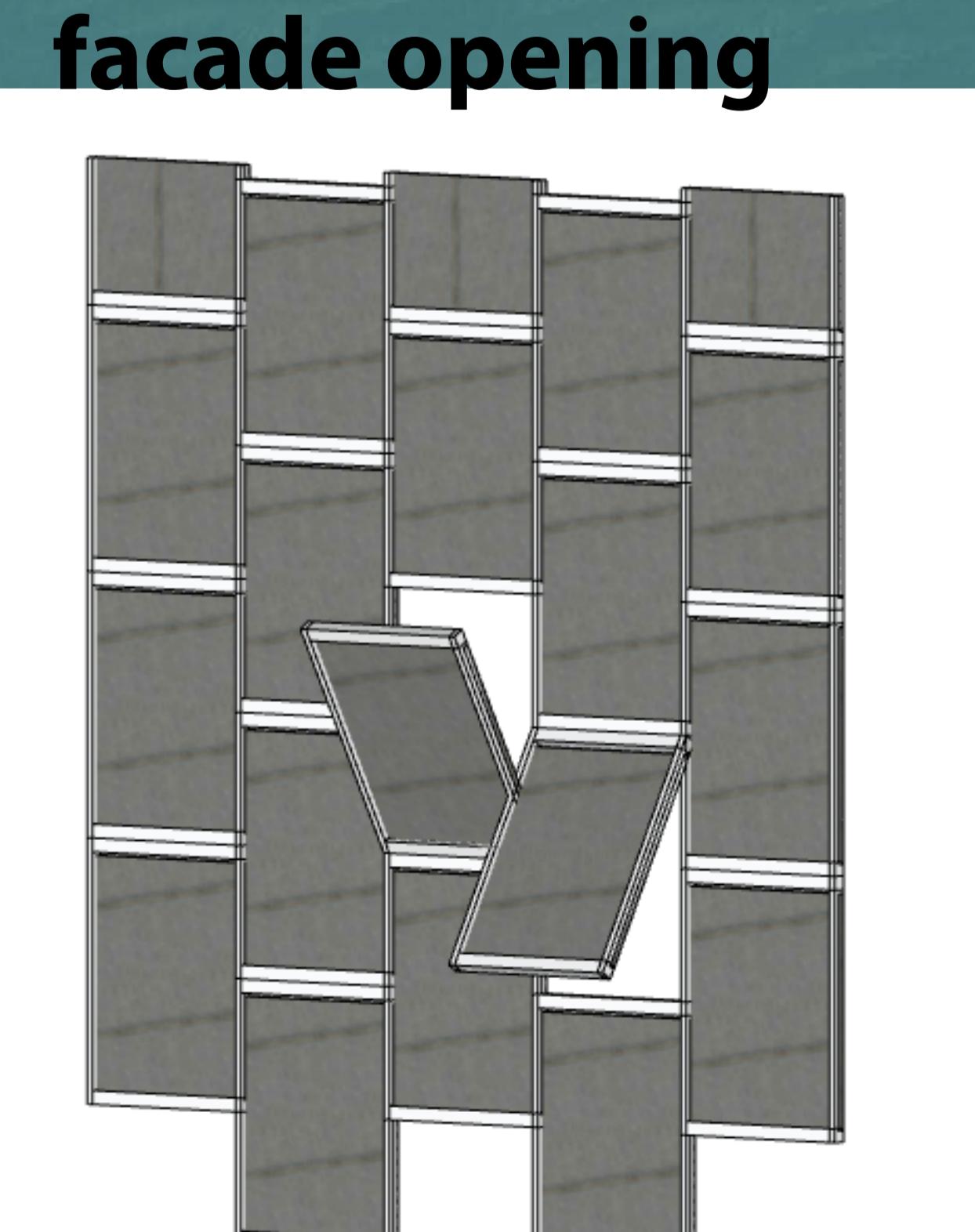
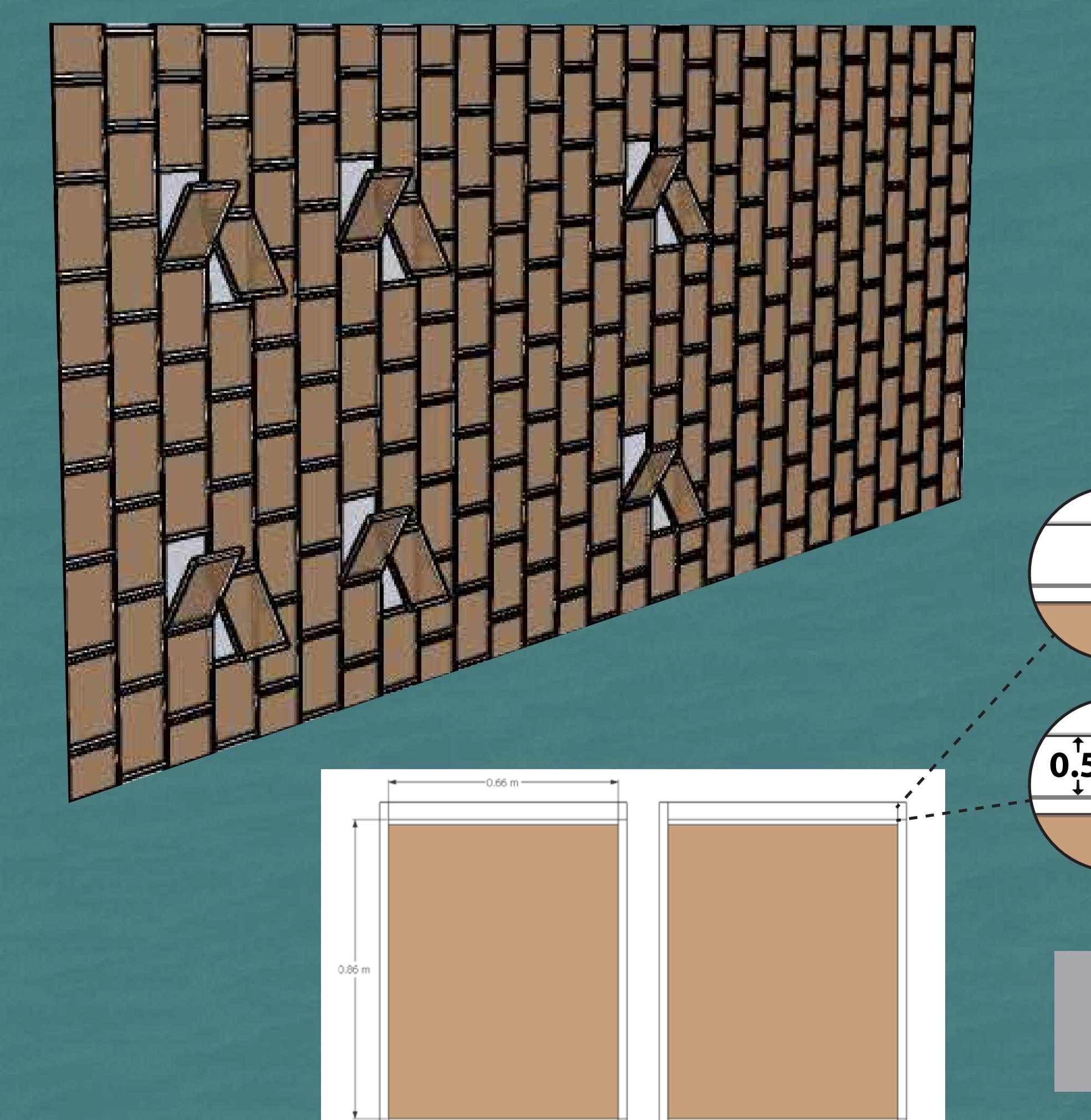


SECTIONS





facade detail



inst: mr. Smachew
mr. Sefinew

by: Yosef Teshager