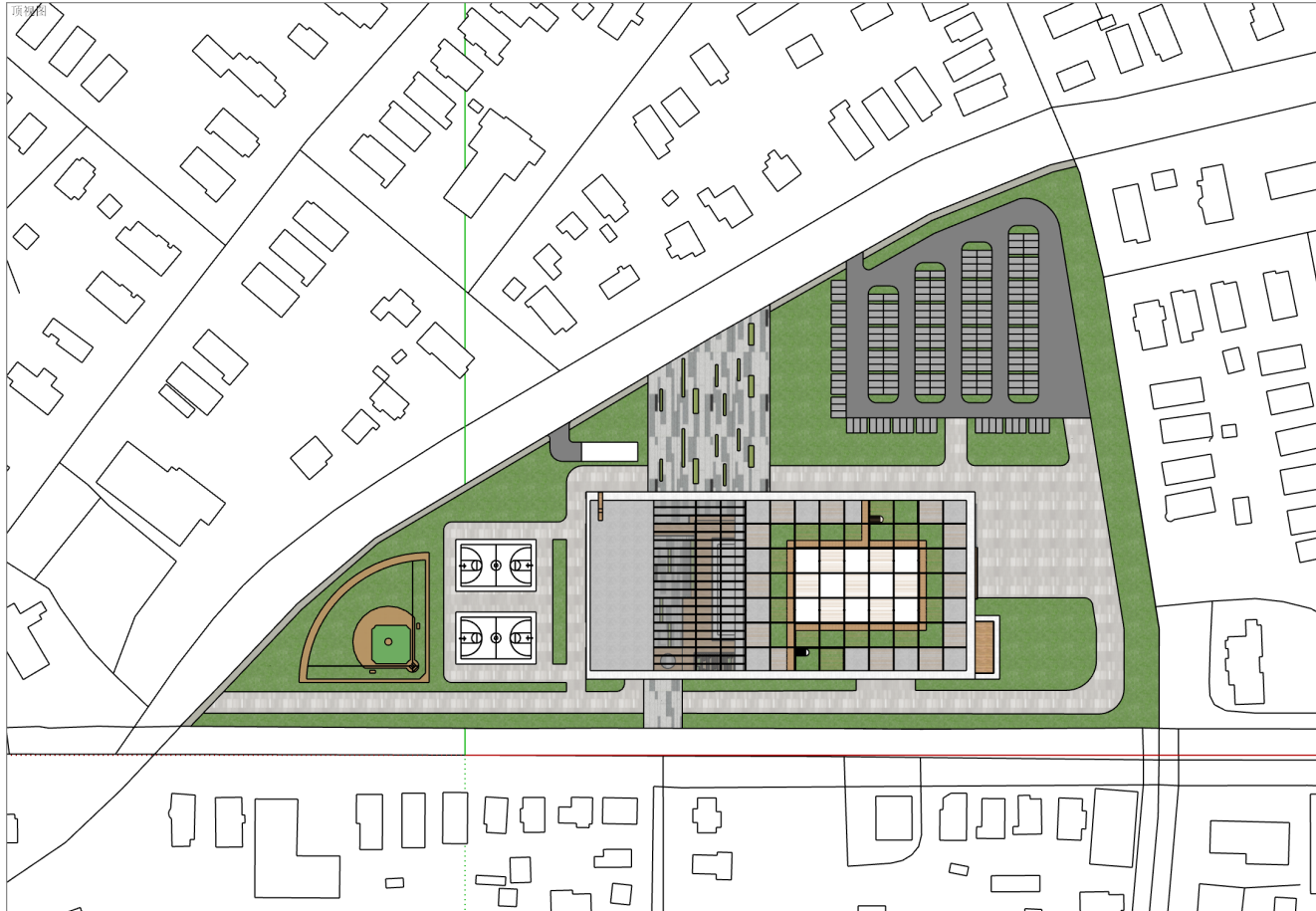


# Clark University Wellness Center

Mina Wei

GEOG252

# Gym Overview



Clark University is building a new gymnasium to meet the academic, living and athletic needs of its students.

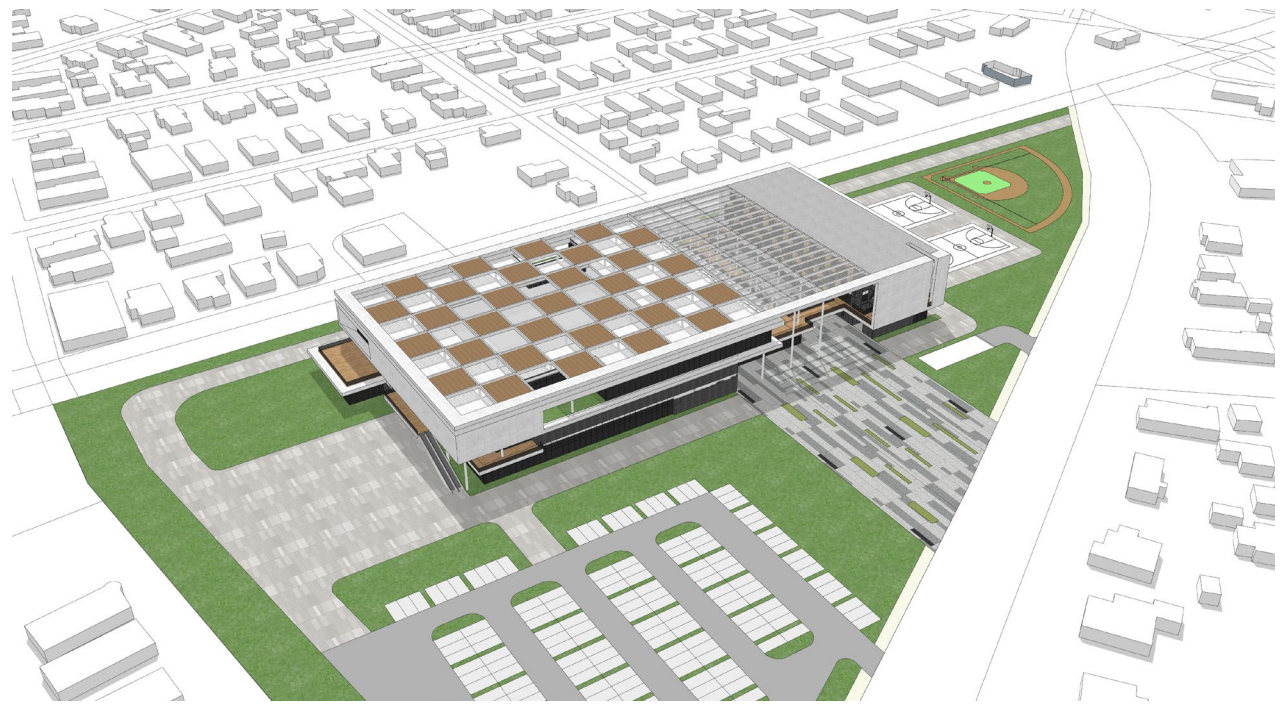
The gym includes student parking, a lawn, a plaza, and a public basketball and baseball court open to the Worcester community.

The gym focuses on the third space, allowing students to choose their needs within the movable space of the building.

# Gym 3D

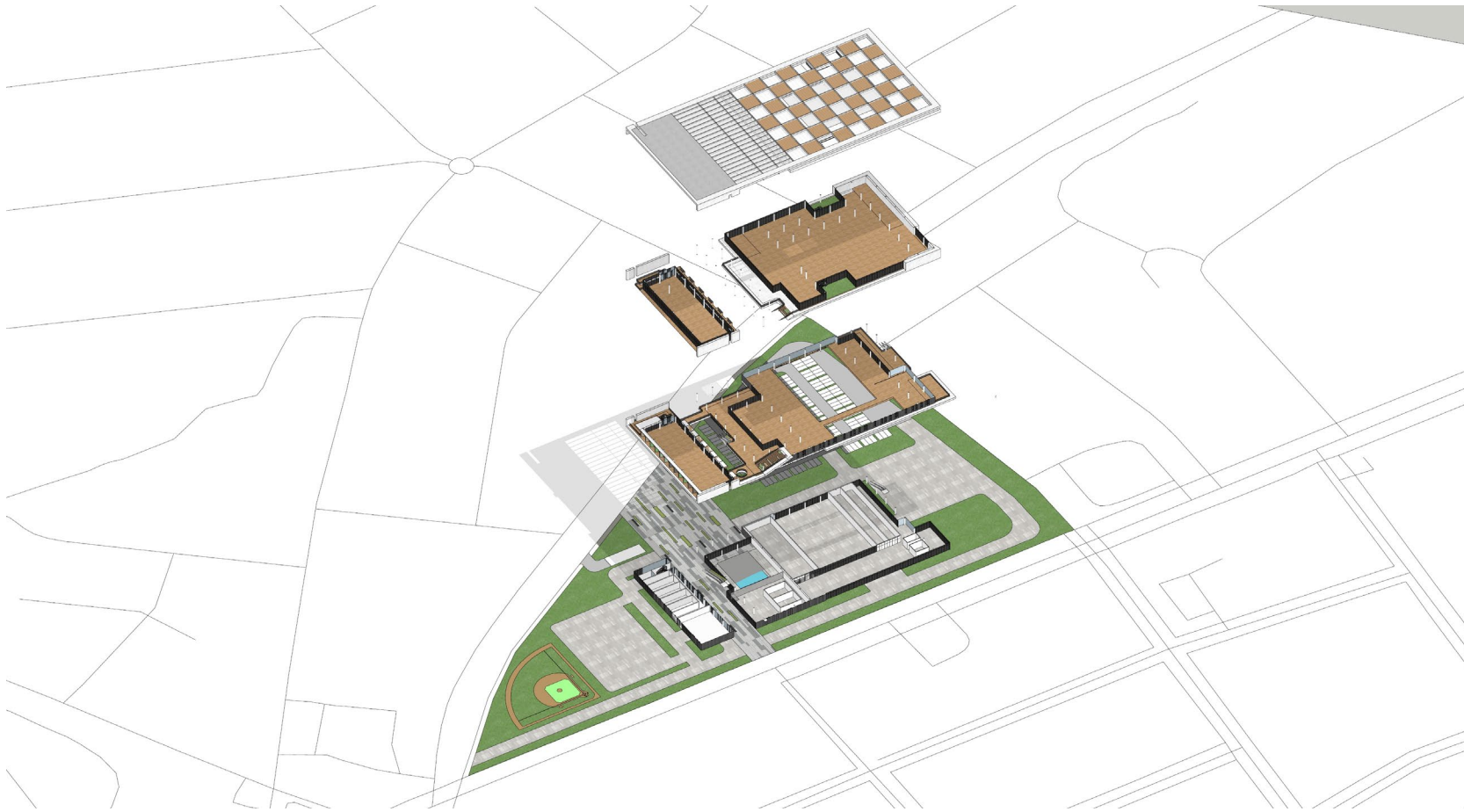


The gymnasium is gated and only people with a valid Clark one card can enter, while the facilities on the plaza are shared.



A total of 175 parking spaces are available, providing ample space for visitors to Clark. Open plaza design allows students and the Clark community to enjoy the space on the lawn and plaza

# Disassembly diagram



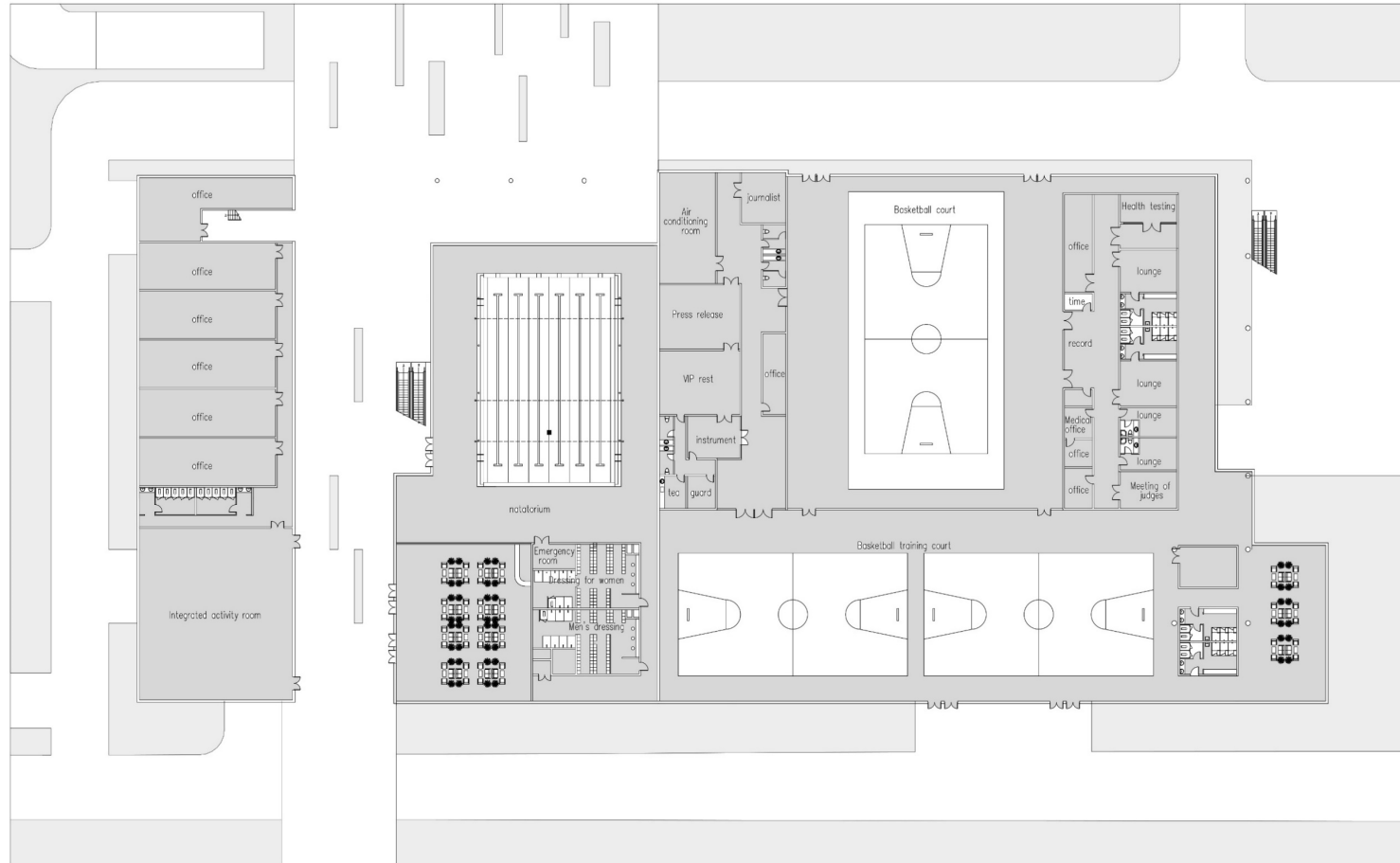
The whole structure is made of reinforced concrete, using columns for weight-bearing instead of walls, referring to the design of Vanderloo, and making the space as open as possible by using open spaces. At the same time, movable walls are used to make the space highly variable.

The separation between buildings is designed so that the dynamic area and static area can be separated when there is a need to expand classrooms or offices or student activity rooms in the future.

# Ground Floor

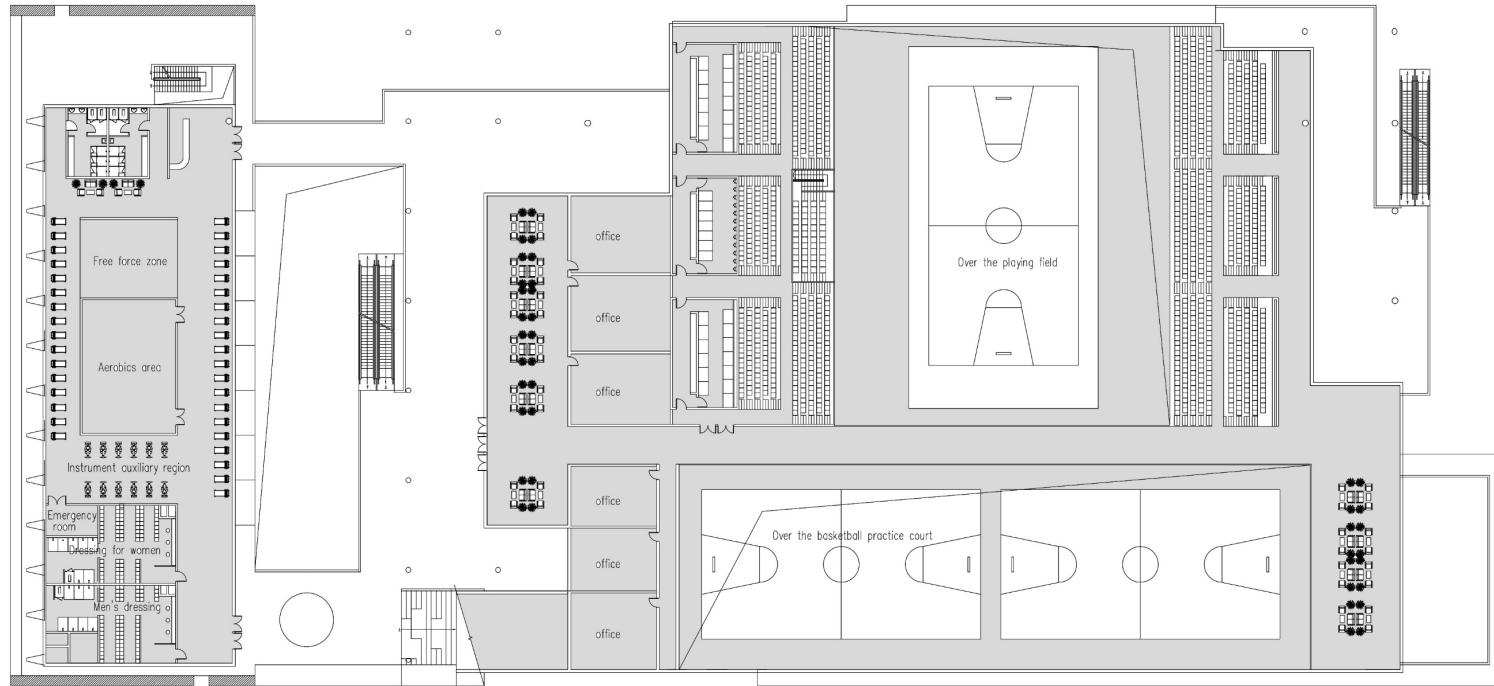
Swimming pool, large basketball court (can be used as a ceremony venue), small basketball court. Common space, activity room, office, changing room. emergency room. lounge, vip room, health room

The right side of the first floor of the gym focuses on event space and multi-use multi-purpose space. The left side is relatively quiet and is used as an office or a third space for Clarkies.



Ground floor plan 1:500

## Second floor plan



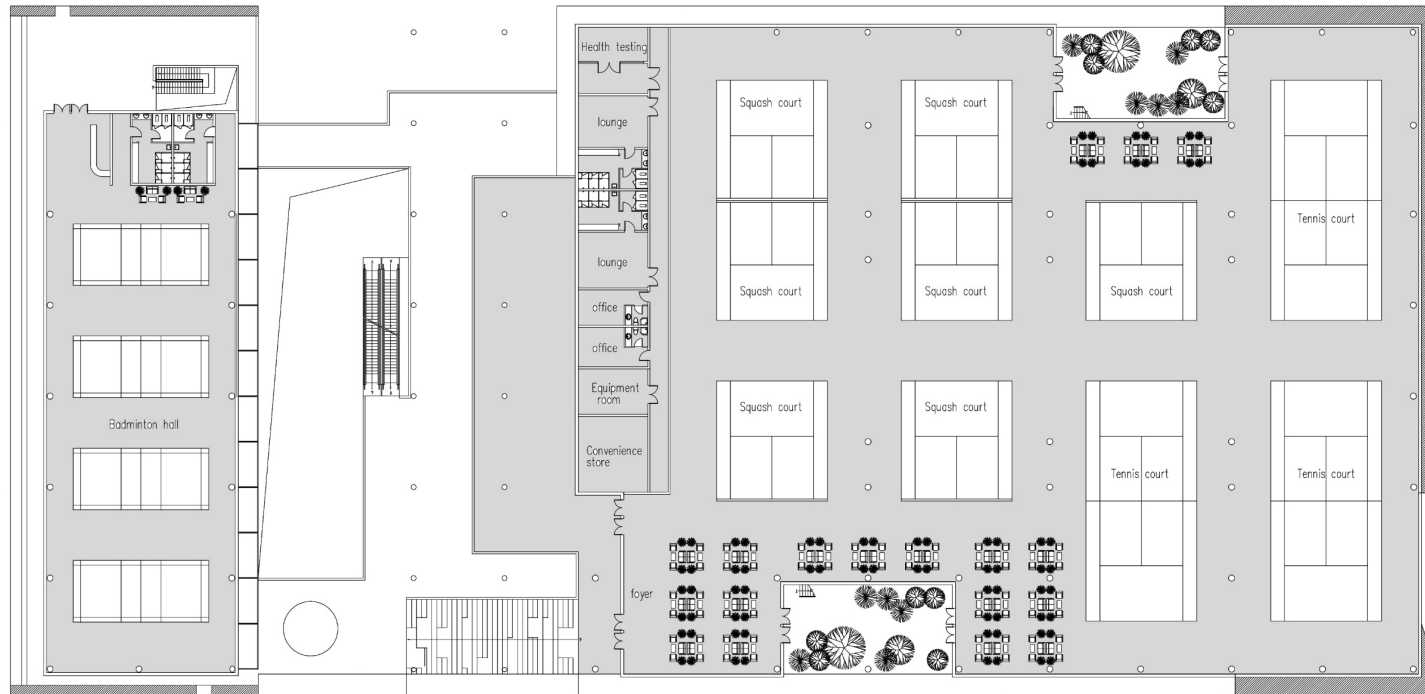
The second floor including office, free force zone, aerobics area, instrument auxiliary region, dressing rooms and Student activity rooms.

The second floor provides a spectator area for the basketball court on the first floor, including seating and restrooms

All offices used as activity rooms are also open to Clarkies by appointment

Second floor plan 1:500

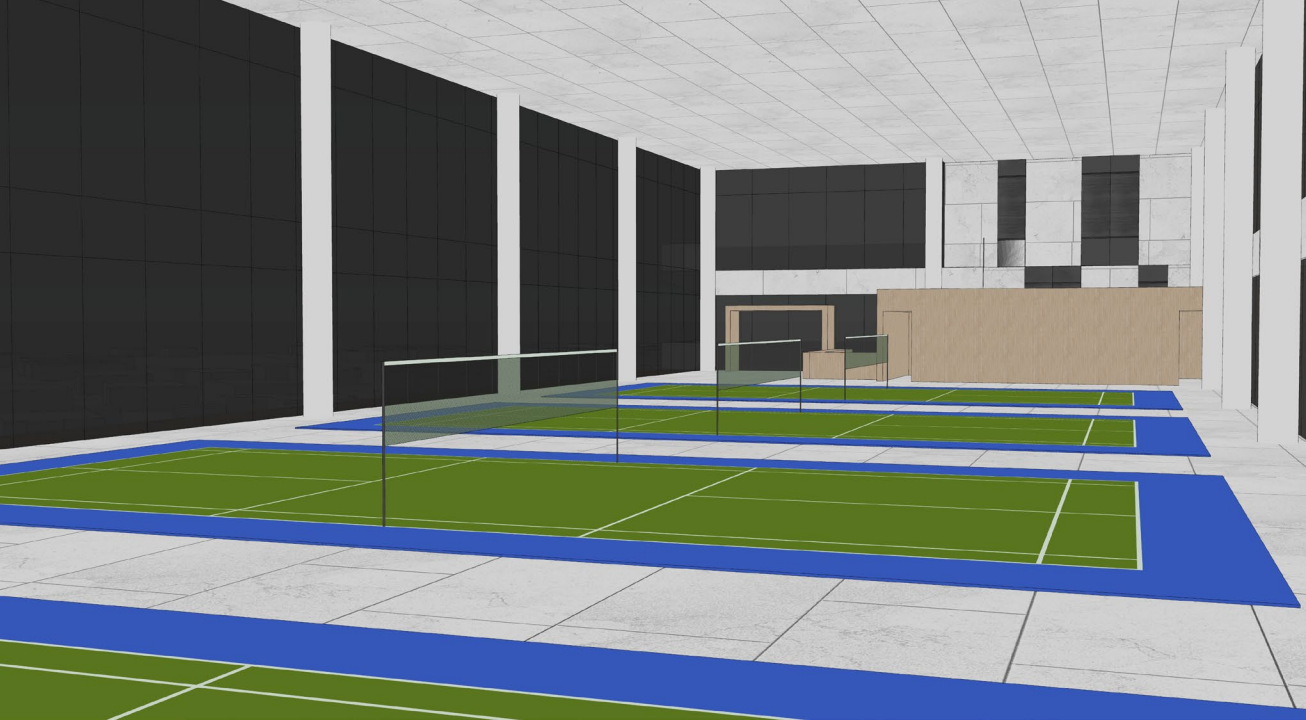
# Third floor



Badminton court, squash court, tennis court, third space, office, storage room, changing room, lounge.

The third floor uses a column structure to reduce the use of fixed walls and uses movable or demountable walls to divide the space. It makes the space changeable for multiple uses.

Third floor plan 1:500



All gymnasium facilities are movable

**Flexibility:** The moveable facility allows the gymnasium to be quickly adapted to different activities and needs, increasing the efficiency of space usage.

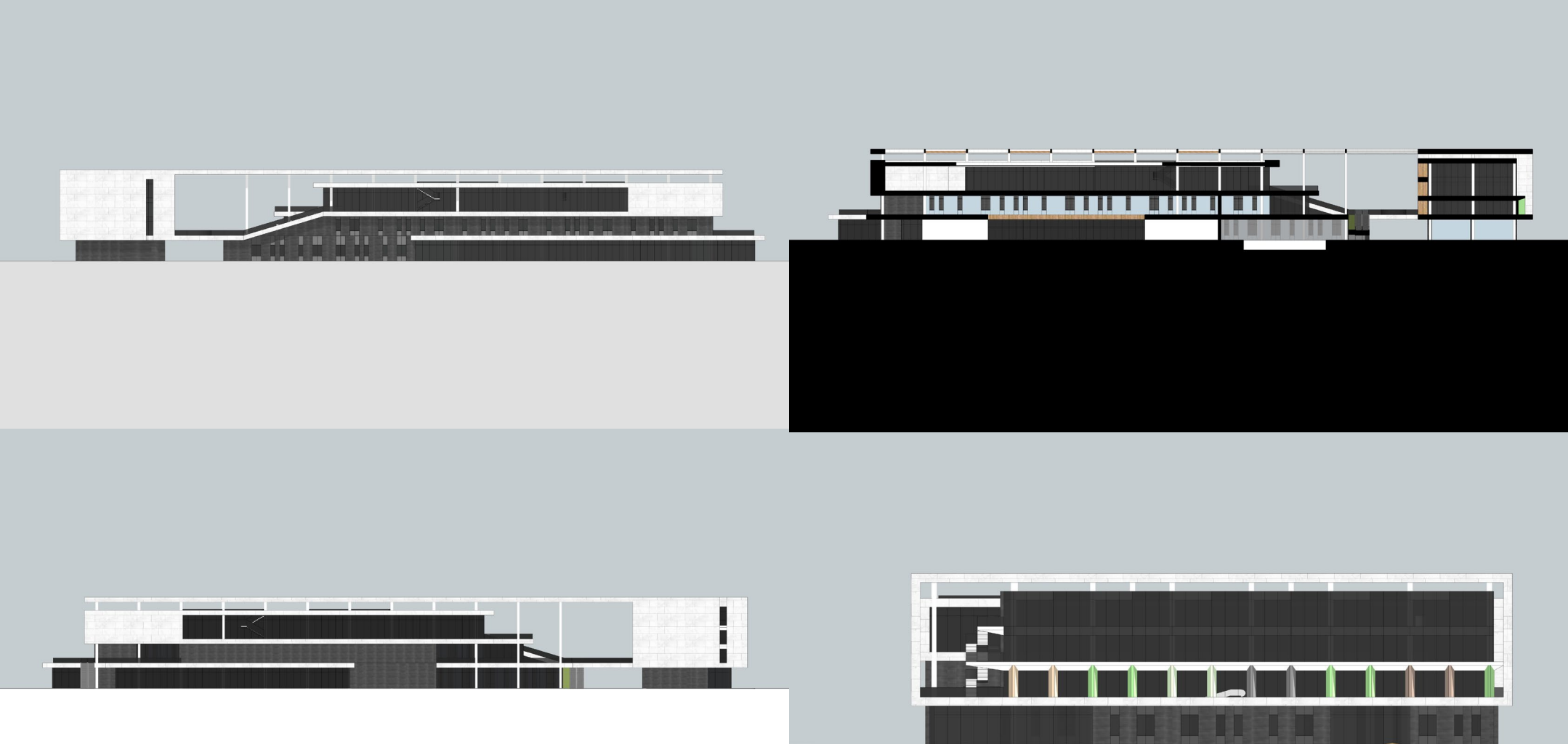
**Versatility:** With a mobile facility, the stadium can easily adapt to a wide range of sports and activities, meeting the needs of different users.

**Cost-effectiveness:** Movable facilities reduce the cost of building and maintaining permanent facilities, allowing stadiums to offer more services on a limited budget.

**Rapid deployment:** Movable facilities can be erected and dismantled in a short period of time, facilitating temporary events and responding to unforeseen situations.

**Sustainability:** Relocatable facilities are reusable, reducing waste of resources and environmental impact.





The façade is heavily glazed to increase natural lighting, which helps save energy while the sunlight is beneficial to physical and mental health.

The overall design is close to the modern design of Clark University Library, unifying the style between campuses

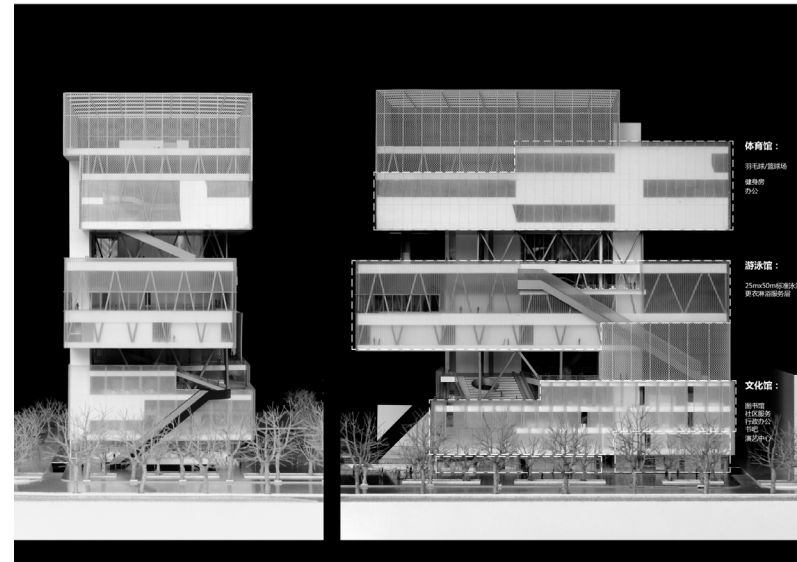
# Materials used in construction



# Inspirations



Shenzhen Lotus Hill  
Primary School  
Overlapping Space



Shenzhen Yuehai  
Culture and Sports  
Center  
Third Space  
Communication  
Space