Architecture Portfolio:

Omar Casado

Contents

Professional Works

Student Works

Professional Works

Jun Dental Clinic

Healthcare/2022 Under construction (Expected completion March 2023)

Project Phase: SD-CD

Location: Gujo, Gifu, Japan

Project Requirements: Design and construction of a Dental Clinic

Architect: Hiraoka Architects

Designers: Takahiro Hiraoka (Director), Omar Casado (Lead Designer),
Amano Structural Design (Structural Design), PMC Lighting Design (Lighting Design)

South-east View

Waiting Room

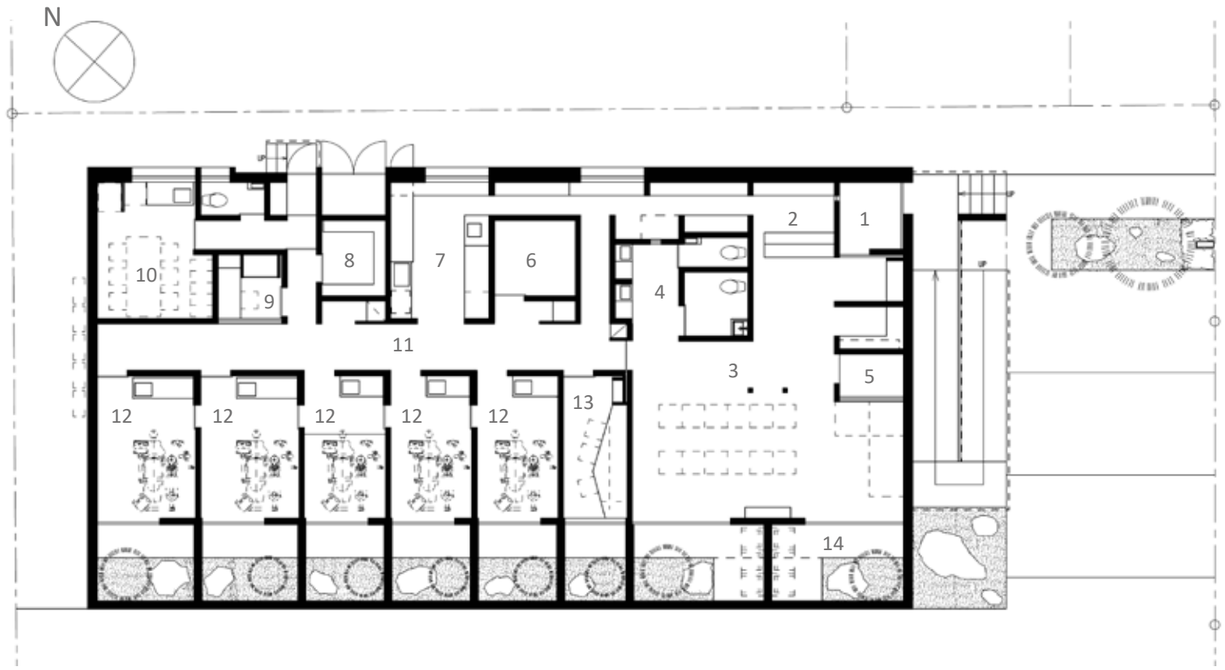
Waiting Room

Consultation Room

This is a project to design and construct a dental clinic in Gujo city, prefecture of Gifu, Japan.

Gujo is a fresh city, surrounded by mountains and plenty of rice fields, where each year abundant snow piles up, so it was necessary an inclined roof. The abundant use of wood, especially showing the wood structure of the roof and the wood pillars create a warm and relaxing interior. At the same time, when contrasted with the softness of the wood finishes, the coldness of the mortar wall finishes give a modern contrast that can not be seen in other buildings of this city.

I worked on this project as project manager, drawing the schematic and construction plans, making 3D models and presentation documents.



Floor Plan

1.Entrance 2.Reception 3.Waiting room 4.Powder room 5.Kids room 6.Storage 7.Lab. 8.Storage 9. Office 10.Staff room
11.Corridor 12.Consultation room 13.Counseling Room 14.Terrace

Akita Residence

Residential/2022 Under construction (Expected completion November 2022)

Project Phase: SD-CD

Location: Gujo, Gifu, Japan

Project Requirements: Interior renovation of a two-generations family

Architect: Hiraoka Architects

Designers: Takahiro Hiraoka (Director), Omar Casado (Lead Designer),
Amano Structural Design (Structural Design), PMC Lighting Design (Lighting Design)

2nd Floor living room

1st Floor Tatami Room

2nd Floor Living Room

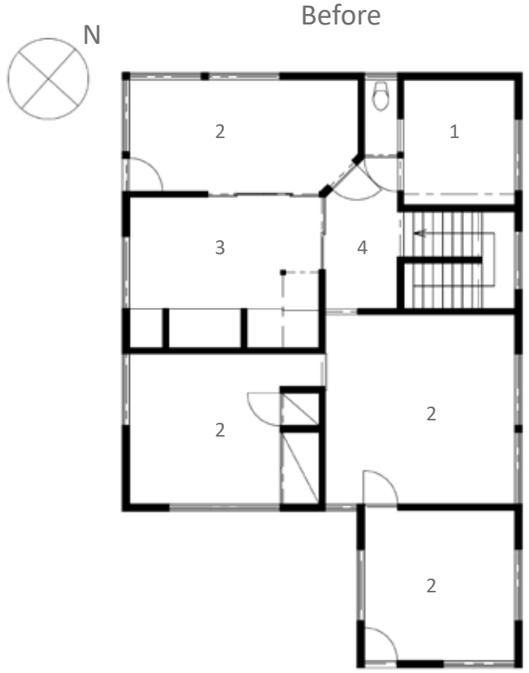
2nd Floor Living Room

The interior design proposal of a two-stories old wooden house, in Gujo city, prefecture of Gifu.

The first floor, intended for the living of the senior family keeps its actual traditional style while adding more rooms and a new calefaction system. On the other hand, the second floor is renovated as a completely different space, exposing the hidden structure of the wooden roof while creating a modern and sophisticated ambient.

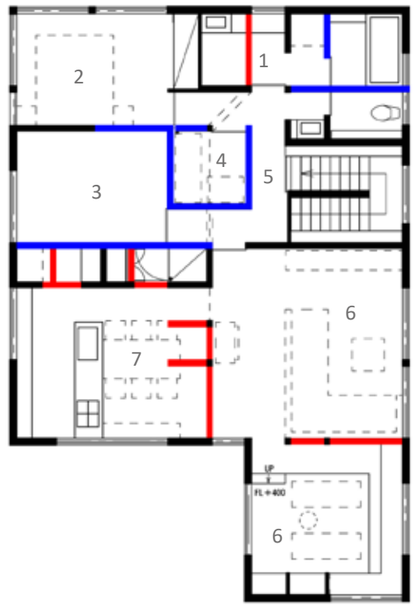
I worked on this project as project manager, drawing the schematic and construction plans, making 3D models and presentation documents.

Before



1.Storage 2. Bedroom 3.Japanese room 4.Corridor

After



2nd Floor Plan

1.Powder room 2.Bedroom 3.Training room 4.Walk-in closet
5.Corridor 6.Living room 7.Dining Kitchen

Premist Ashiya Model Room proposal Type A

Residential/2020

Project Phase: SD-DD

Location: Ashiya City, Hyogo, Japan

Project Requirements: 2 Model rooms design

Architect: Pelli Clarke Pelli Japan/Jun Mitsui & Associates Architects

Designers: Otsu Kazuhisa (Director), Maiko Niimori (Lead Designer),
Omar Casado (Assistant Designer)

Dining-Living Room

Entrance

Sun Room

Main bedroom

The interior design proposal of two adjacent residences, for the Premist Ashiya Residence in Ashiya City, Hyogo Prefecture.

This design aimed to propose a mixture between Ashiya City's traditional architecture, characterized by its strong influence from modernist architecture, and a more flexible and modern design.

I worked on this project as a design architect in the design study, the realization of models, plans, and especially I was in charge of the graphic representations and the implementation of 360 degrees VR images to facilitate the presentation and understanding from the clients.

Main view of the building

Hobby room

Hobby Room

Entrance Hall

Bed Room

Hobby Room

Living & Dining Room 1

Living & Dining Room 2

Floor plan representation

Brillia Kyoto Gojo

Residential/2020 Under construction (Expected completion October 2022)

Project Phase: SD-DD (Facade)

Location: Kyoto, Japan

Project Requirements: Facade and Entrance Lobby design

Architect: Pelli Clarke Pelli Japan/Jun Mitsui & Associates Architects

Designers: Otsu Kazuhisa (Director), Shigeki Murakami (Lead Designer),
Maiko Niimori (Interior Lead Designer), Omar Casado (Assistant Designer)

South-west Facade

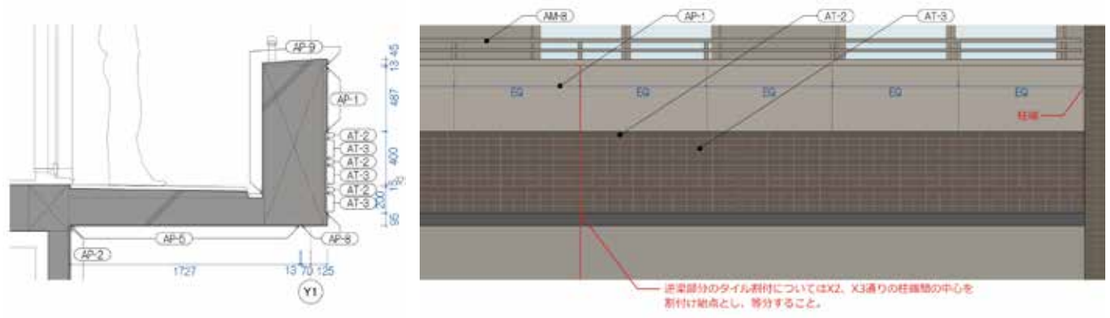
Entrance

Entrance Lobby

Residential project in Kyoto city, Japan.

This project consists of the facade, entrance approach, and lobby design for the Brillia Kyoto Residence, in Kyoto City. I worked on the design study and proposal of the facade, the realization of the design development drawings and models. Especially, Kyoto city's architectural standards are very strict as the city government looks to preserve the Japanese traditional atmosphere of the city. So due to the nature of this project's emplacement, from the beginning, I was in charge of the investigation and understanding of Kyoto city's cityscape standards and the communication with the Kyoto city government to watch the project fitted the required design standards.

Also, my work included the realization of material mock-ups and the graphic representations of the entrance lobby area.



Balcony tiles distribution drawings

Facade Tiles Mockup

Maya City Master Plan and Residential

Residential/2019-2020 Construction Completed on 2021

Project Phase: SD-DD

Location: Kobe City, Hyogo, Japan

Project Requirements: Master Planning and 7 Residential units

Architect: Pelli Clarke Pelli Japan/Jun Mitsui & Associates Architects

Designers (Towers A and B): Otsu Kazuhisa (Director), Yuhei Miyake (Lead Designer), Shigeki Murakami (Assistant Designer), Omar Casado (Assistant Designer)

Tower B Northwest Facade

Tower B South Facade

Tower B Nameplate

Tower A Northwest Facade

Nameplate Render

Nameplate Finished

Maya City Master Plan

Maya City is a master plan conformed of 7 residential buildings along Mount Rokko, in Kobe City, Hyogo prefecture, Japan.

I had the opportunity to participate in the facade design study and the elaboration of the design development drawings and models for the buildings on blocks A and B. As these buildings have a simple rectangular elevation, it was a challenge to give them a dynamic feeling and making them stand out from the surrounding architecture just by the material selection.

Also, I worked on the entrance lobby graphic representation, and in the design of the buildings A and B nameplates, which selected designs were my proposed ones.

Toranomon Azabudai Project

Residential, Office, Hotel, Commercial/2019

Project Phase: CD (Facade) Under construction (Expected completion March 2023)

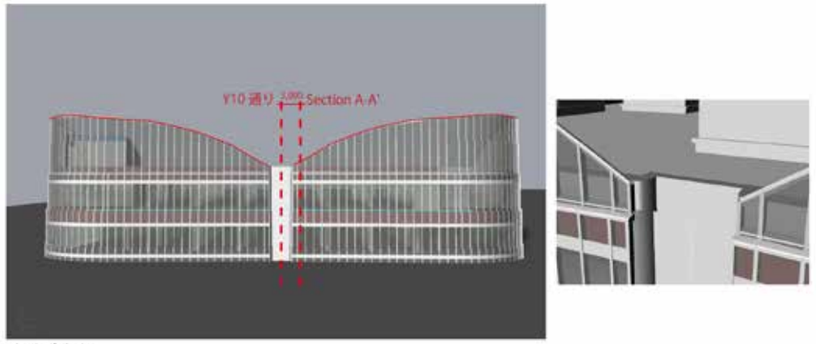
Location: Tokyo, Japan

Project Requirements: Facade Design

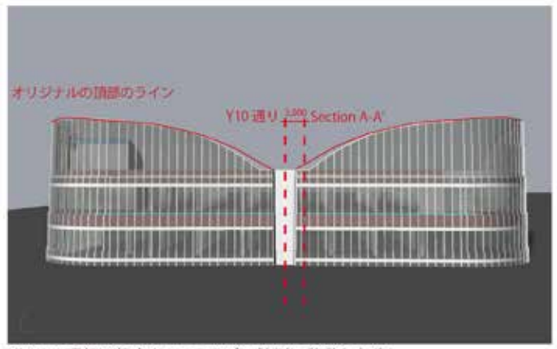
Architect: Pelli Clarke Pelli Japan/Jun Mitsui & Associates Architects

Designers: Kazuya Saito (Director), Yuhei Miyake (Local Designer),
Omar Casado (Assistant Designer)

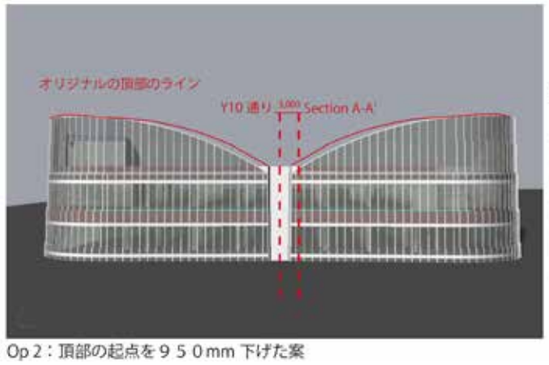
Facade Rendering



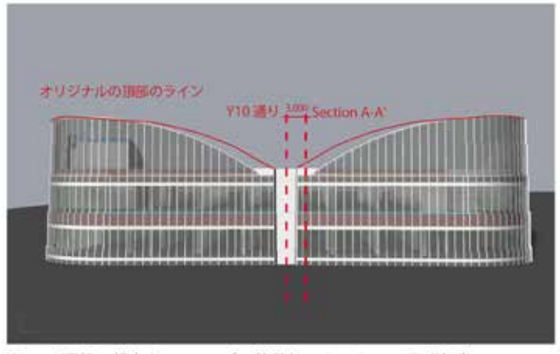
オリジナル



Op 1：頂部の起点を１．５スパン外側に移動した案



Op 2：頂部の起点を９５０mm 下げた案

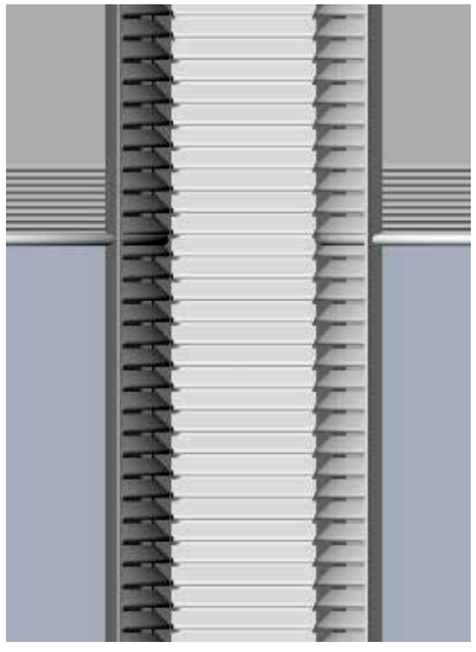


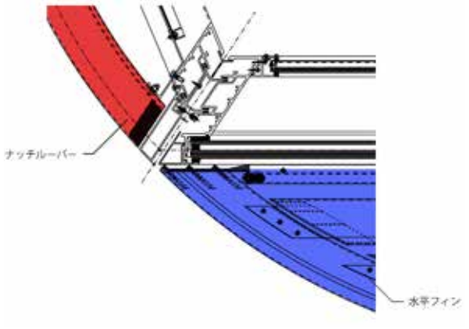
Op 3：頂部の起点を１．５スパン移動し、９５０mm 下げた案

Tower Top Design Study

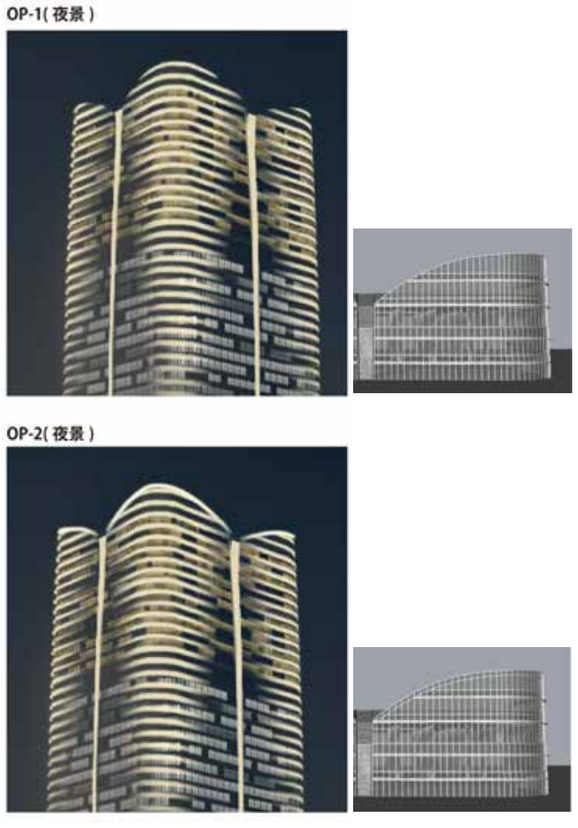
The Toranomon Azabudai complex is a huge project composed of three towers in the center of Tokyo, being the main tower Japan's soon to be the tallest building.

On this project, I worked on the main tower petals like crown design study, analyzing how the tower itself would be perceived from a long distance depending on the curves of the tower's crown and the elaboration of the corresponding 3D models. Also, I participated in the design study and graphic representation of the horizontal fins of the main tower, and the possible night illumination settings study.





Horizontal Fins Desing Study



Night Illumination Study

Student Works

Shanghai Workshop

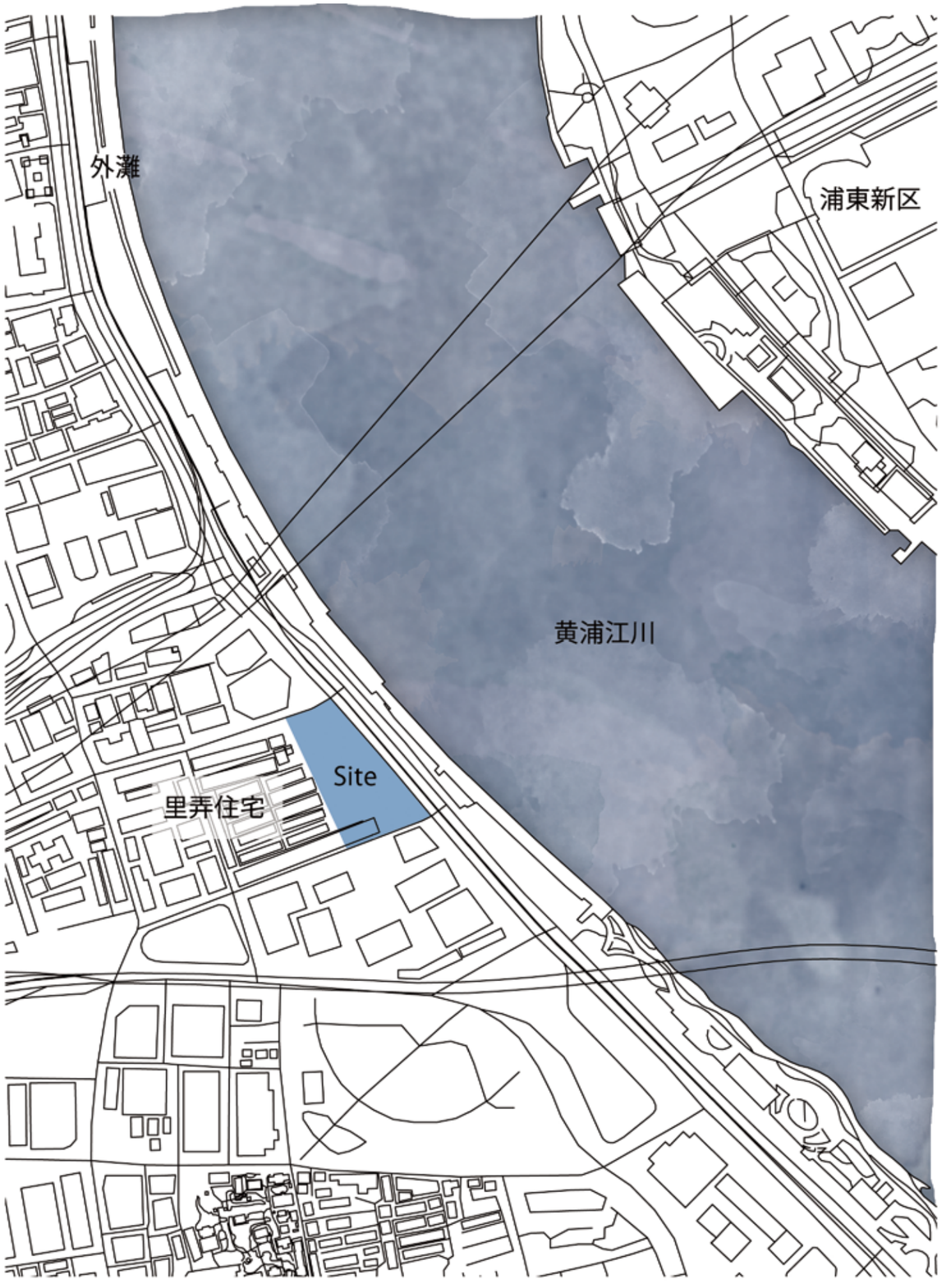
Multicomplex/2017

Location: Waitan, Shanghai, China

Project Requirements: Design study of a multicomplex facility

University: Osaka University/Shanghai Tongji University

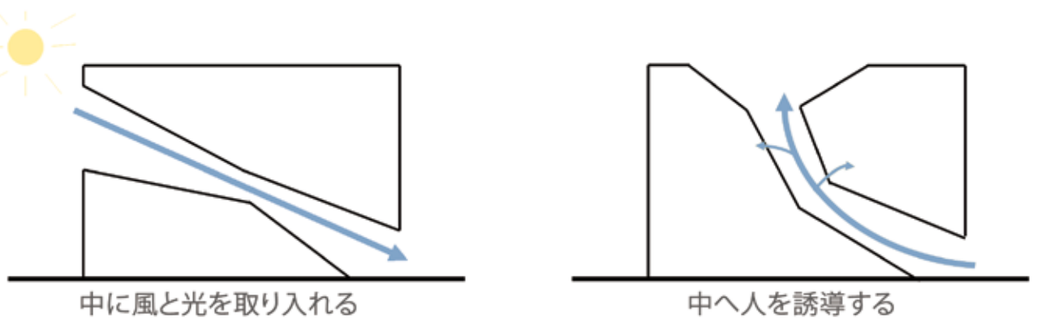
Supervisor: Tadasu Iida



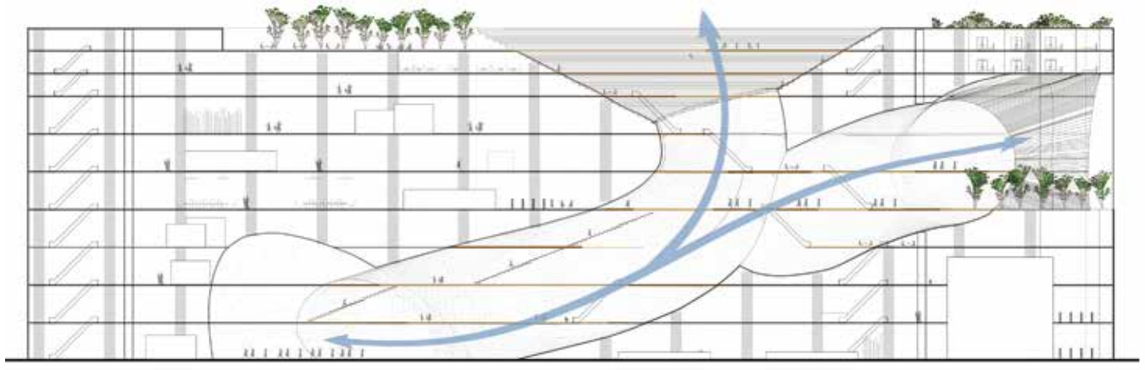
Proposal of a multifunctional complex for The Bund, Shanghai, China.

This area is special for the contrasts on its cityscape, with the Huangpu river dividing the modern Lujiazui zone on its east bank, plenty of Skyscrapers, and The Bund zone, which is known by its European colonial buildings, on its west bank.

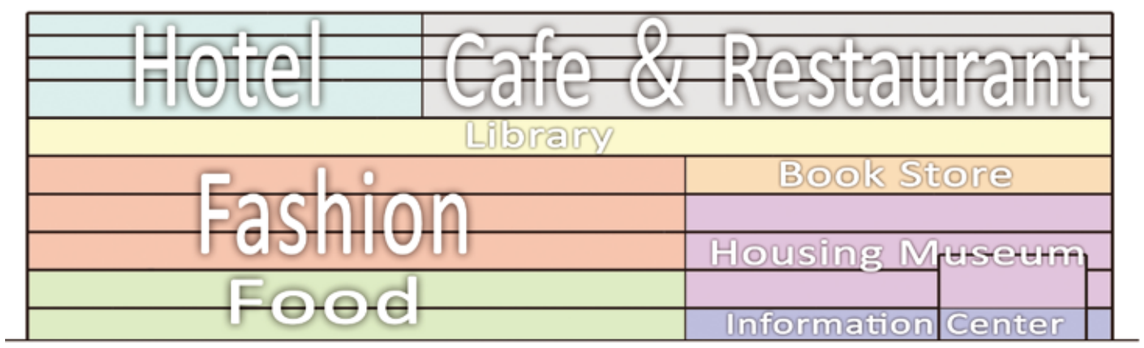
So the main aim of this design was to propose a building that keeps The bund's Characteristic European skyline, while creating a totally different and modern experience on the building interior, with voids that allow people and wind circulation without limits.

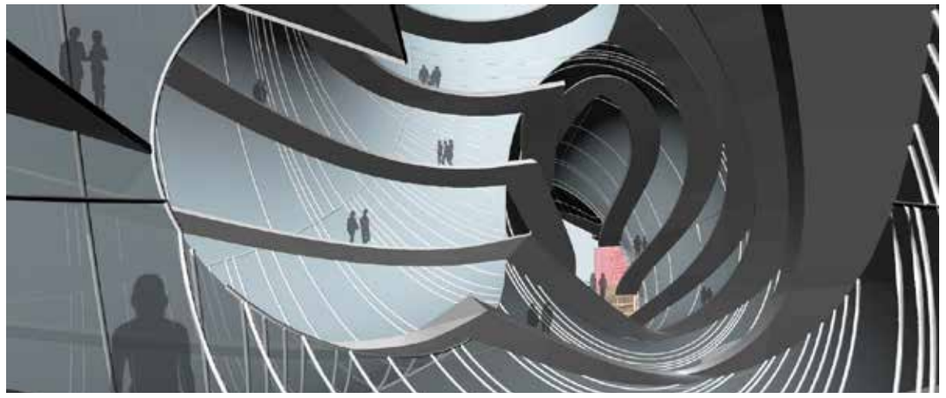


Conceptual diagram



Internal circulation diagram





Internal voids intersection

Void view from main entrance

The building, facing to the Huangpu river, faces on it's west side the Shanghai traditional lilong housings, so it was necessary to keep their privacy.

Tokyo Olympic Stadium

Athletic/2016-2017

Location: Tokyo, Japan

Project Requirements: Graduation Project

University: Setsunan University

Supervisor: Ayako Kita

Graduation project for Setsunan University, Osaka, Japan.

I proposed how I think should be the national stadium for Tokyo 2020 Olympics because, at that time, the Olympic stadium cancelation and replacing due to expensive costs was a major topic in all Japan.

Here I proposed the national stadium, departing from 3 main concepts that must be kept in mind while designing a proper stadium for Tokyo, Japan.

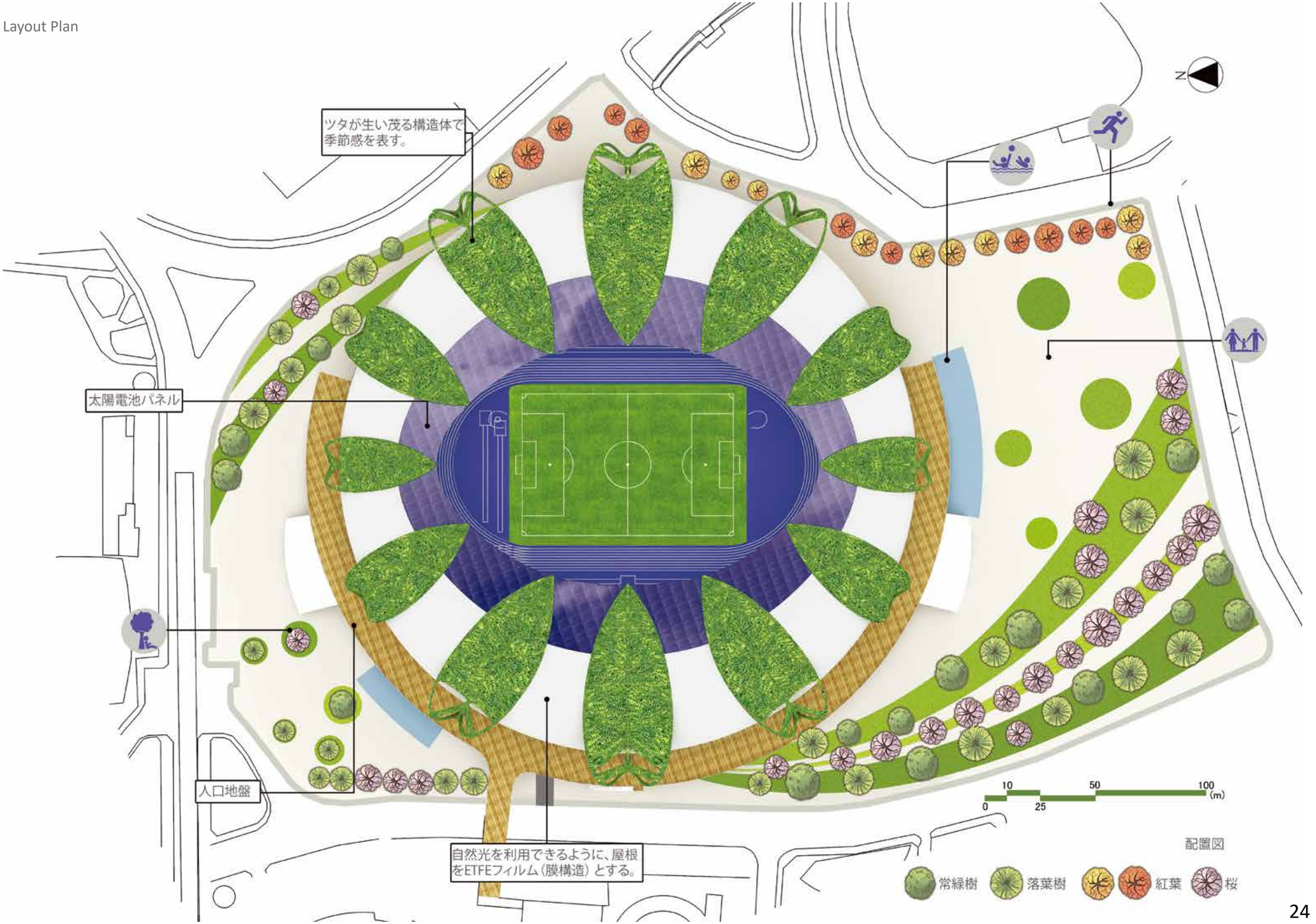
1) The Olympic truce. The ancient Greece original Olympic's main objective was to preserve the peace between nations. So the Olympics should be an opportunity to solve our problems without Belic confrontations. Japan, as a pacifist country is an ideal place to transmit again that ideal.

2) Architecture integrated with nature.
Japan is a unique country, not only for its technological improvements but also for its nature and how the people enjoy the pass of the seasons and respect nature. So for a structure of this size, it must be mandatory to reduce the impact as much as possible on the natural environment and the city.

3) Sustainability. The stadium should be sustainable on time, but unlike many stadiums which are only open for sports matches, this stadium must be open to the people throughout the year, allowing many different uses.

Project final presentation

Layout Plan


ツタが生い茂る構造体で
季節感を表す。
太陽電池パネル
人口地盤
自然光を利用できるように、屋根
をETFEフィルム（膜構造）とする。
N
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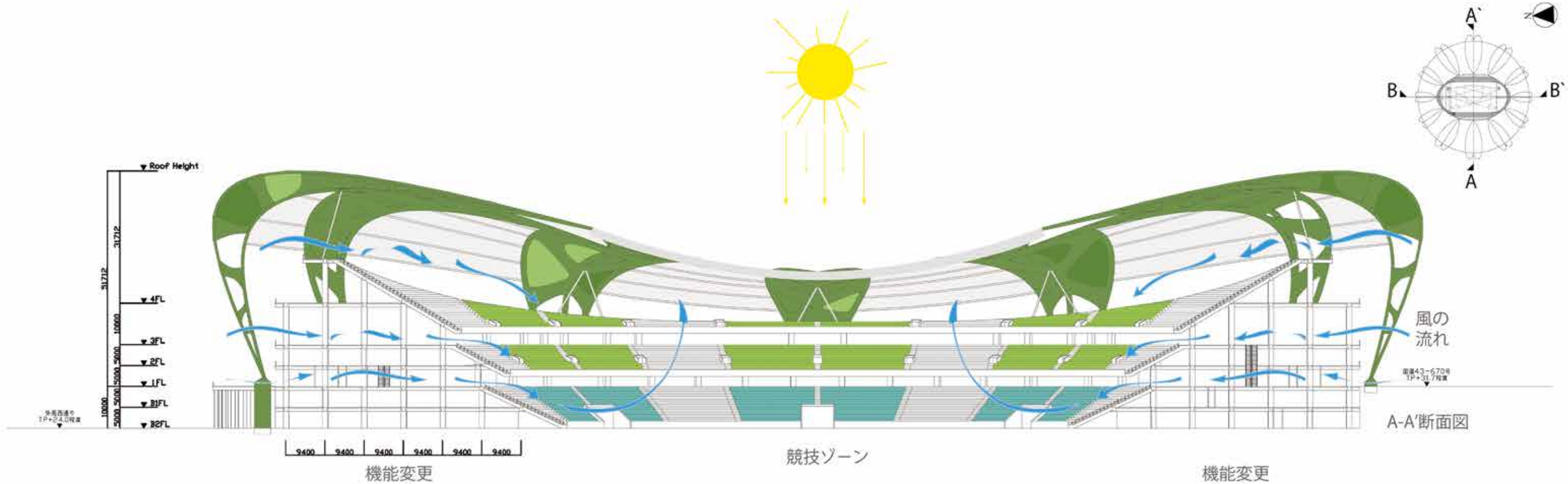
配置図
常緑樹
落葉樹
紅葉
桜


A`
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Roof Height
4FL
3FL
2FL
1FL
B1FL
B2FL
31712
10000
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風の
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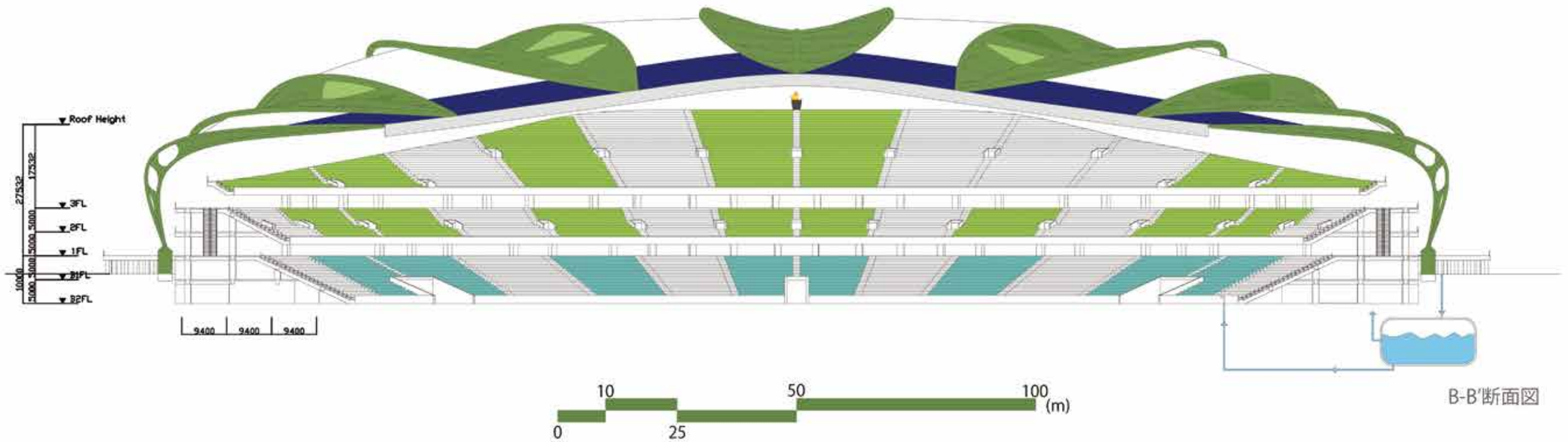
Roof Height
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2FL
1FL
B1FL
B2FL
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(m)
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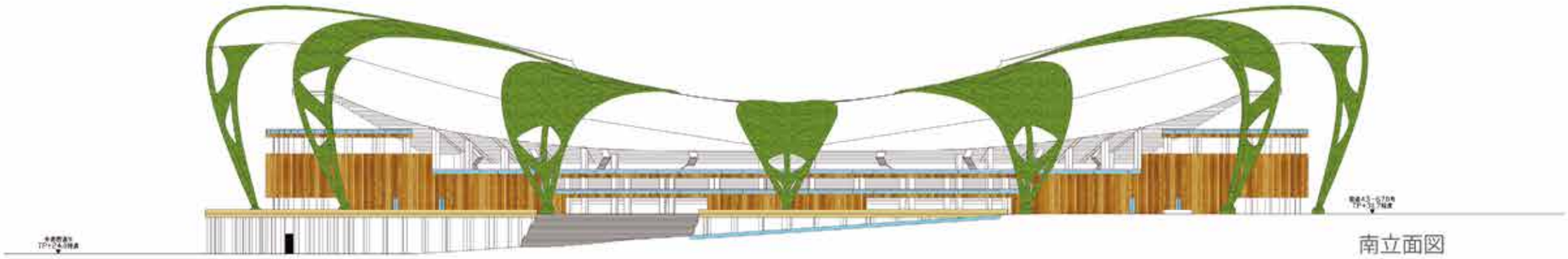
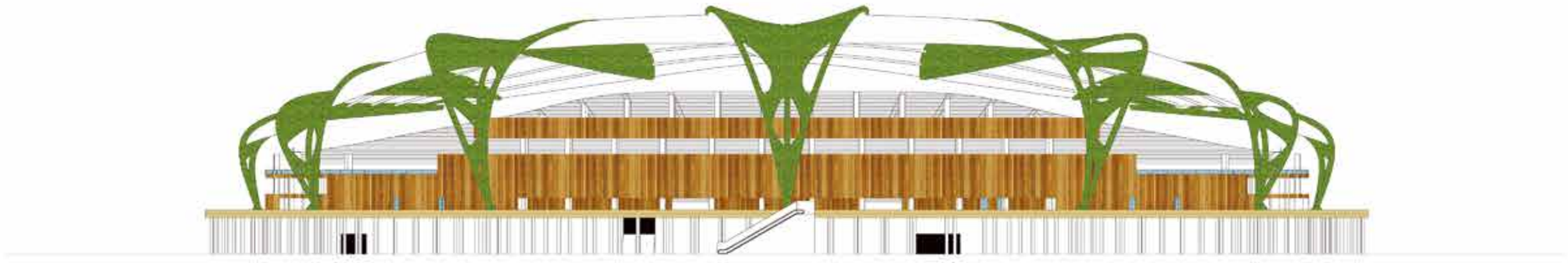
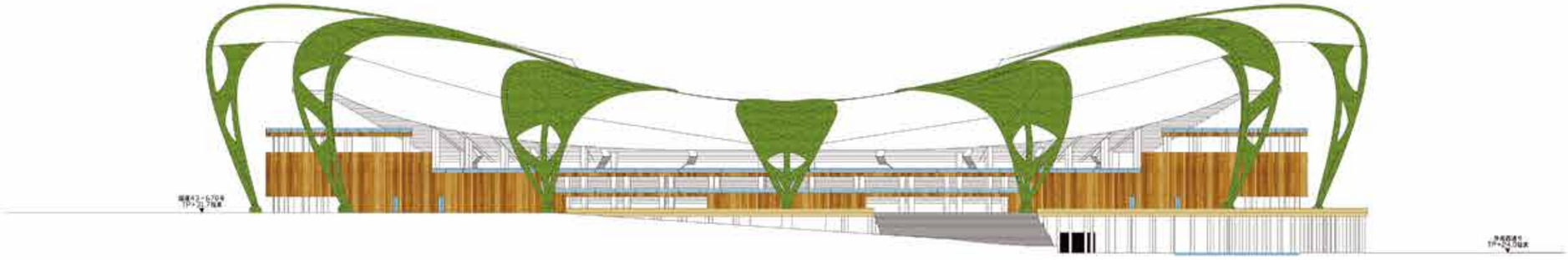
25
B-B'断面図



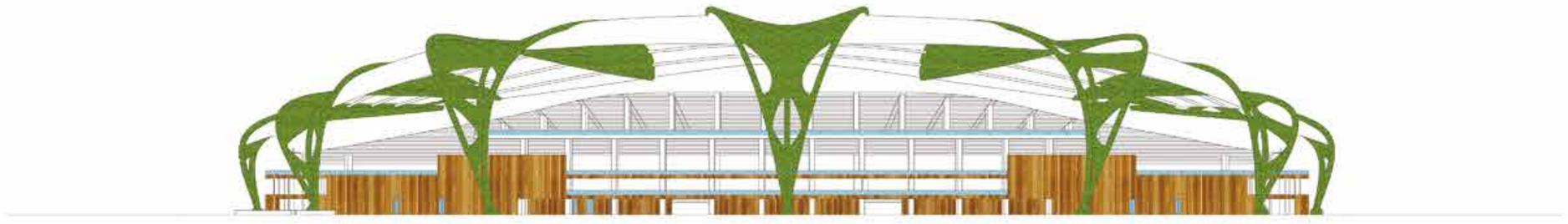
南立面図



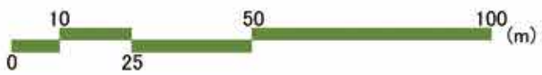
西立面図



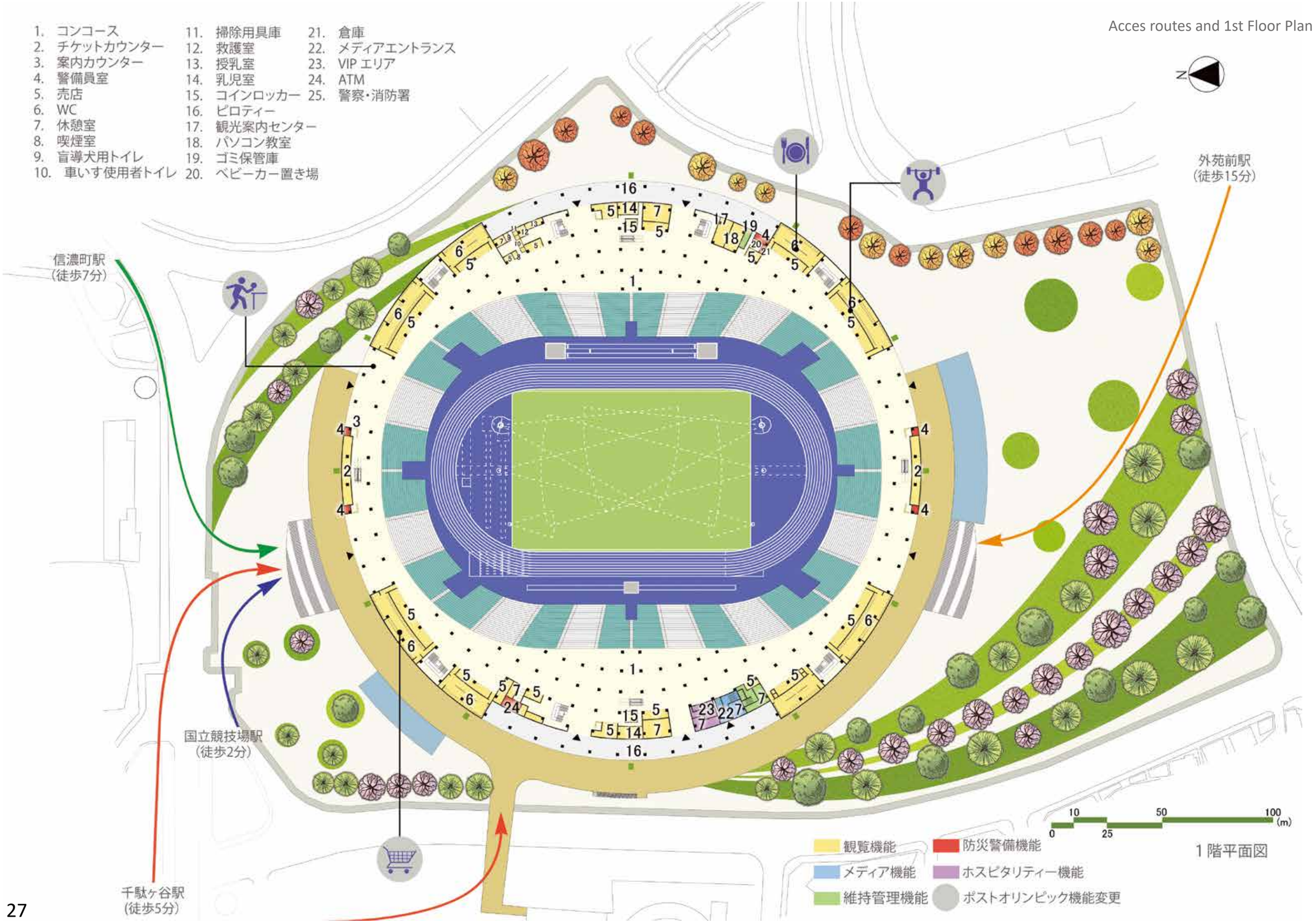
北立面図



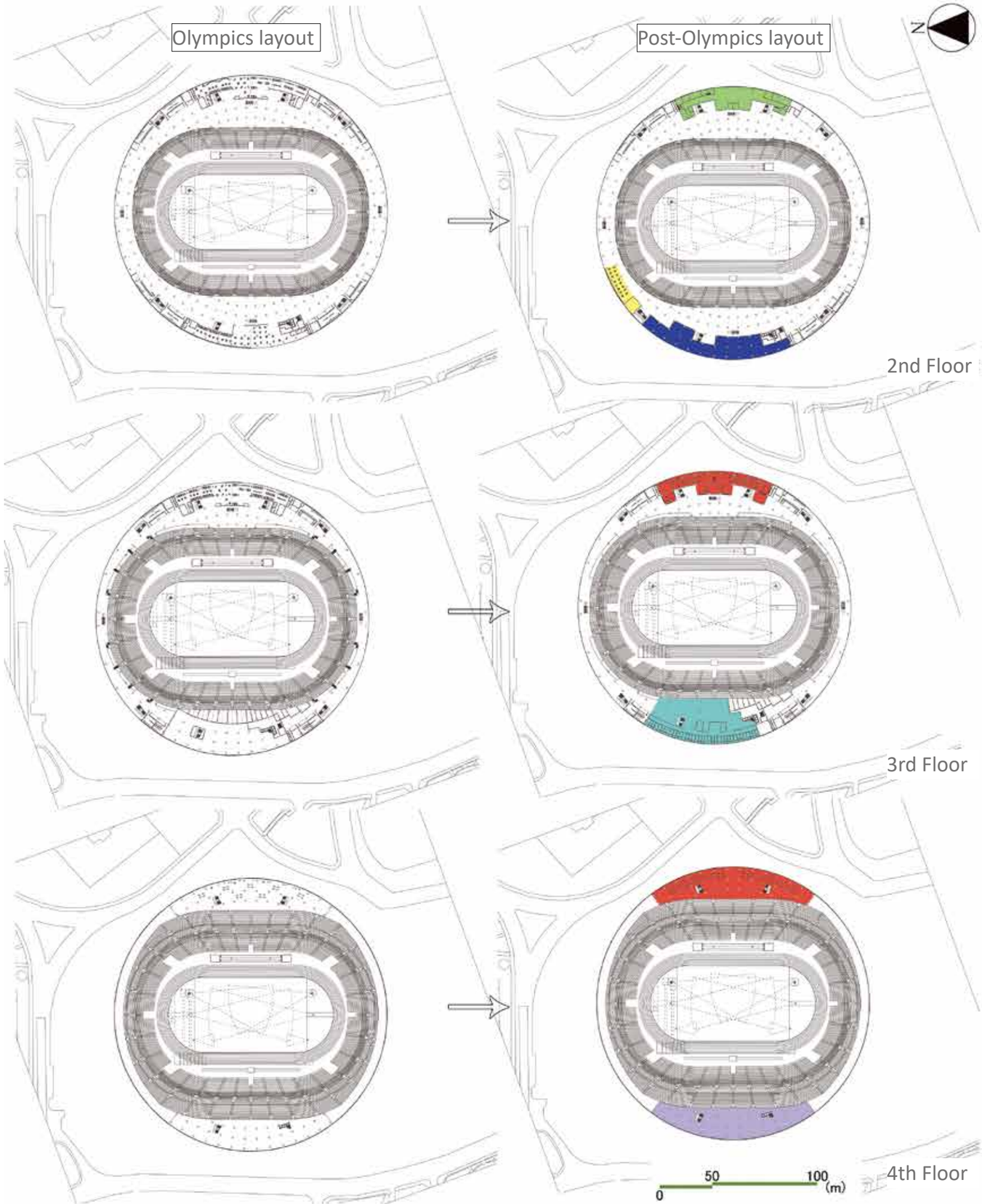
東立面図



1. コンコース
2. チケットカウンター
3. 案内カウンター
4. 警備員室
5. 売店
6. WC
7. 休憩室
8. 喫煙室
9. 盲導犬用トイレ
10. 車いす使用者トイレ
11. 掃除用具庫
12. 救護室
13. 授乳室
14. 乳児室
15. コインロッカー
16. ピロティー
17. 観光案内センター
18. パソコン教室
19. ゴミ保管庫
20. ベビーカー置き場
21. 倉庫
22. メディアエントランス
23. VIP エリア
24. ATM
25. 警察・消防署



1階平面図

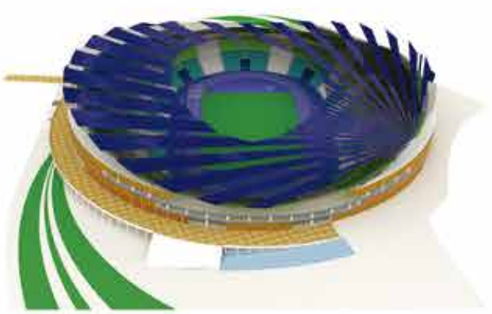


The Stadium is a public facility.

Departing from Mies Van der Rohe's Universal space concept, this stadium is conceived to be adaptable to the incoming needs of the city. All the partition walls from level 1 to level 4 are movable to make it possible to change the use of the concourse space according to new tenants. This makes it possible that everyone can access the stadium even when there is no match scheduled.

Restaurants
Shopping
Hotel
Special Exhibition area
Nursery
Library

By making the stadium's main structure and the roof structure separately it also possible to change the stadium design concept just by re-designing its roof.



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