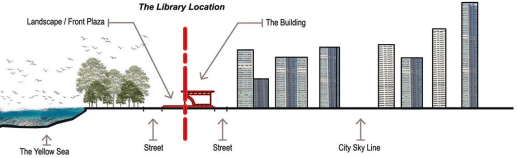


# INTERNATIONAL DESIGN COMPETITION FOR LIBRARY; SONGDO INTERNATIONAL CITY, S.KOREA

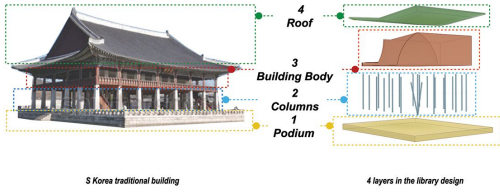


## CONCEPTUAL DIAGRAMS



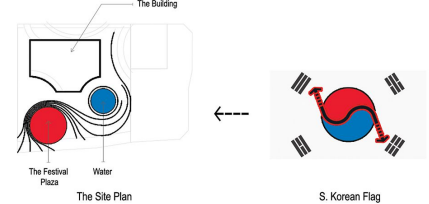
### 01\_Urban Context

- City skyline (meet between the horizontal and vertical)
- The transition between open green area and highrise buildings



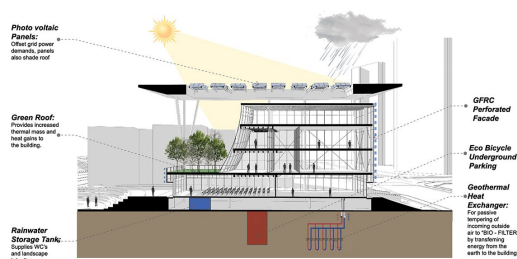
### 02\_Architectural Configuration:

- Design inspiration from traditional S. Korea architecture
- The 4 components in S. Korea traditional buildings
- Reflected the 4 layers in the library design



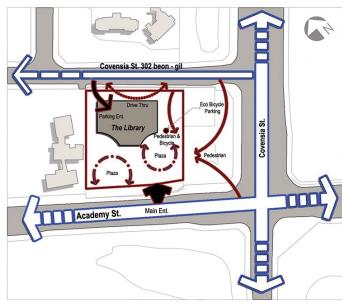
### 03\_Overlap Between Landscape & Architecture:

- Inspire the organic/main lines from the S. Korean flag
- Reflect the lines from 2D to 3D at the building



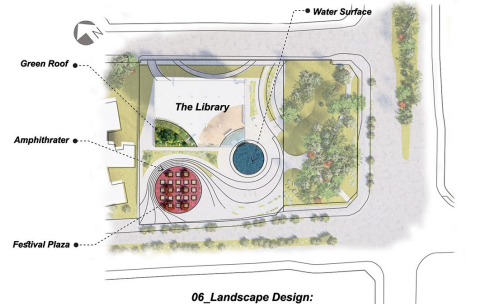
### 04\_Environmental & Sustainability Design:

- Geothermal heat exchanger
- Photovoltaic panels
- Green roof
- Rainwater storage tank
- Eco bicycle underground parking
- GFRC Perforated Facade



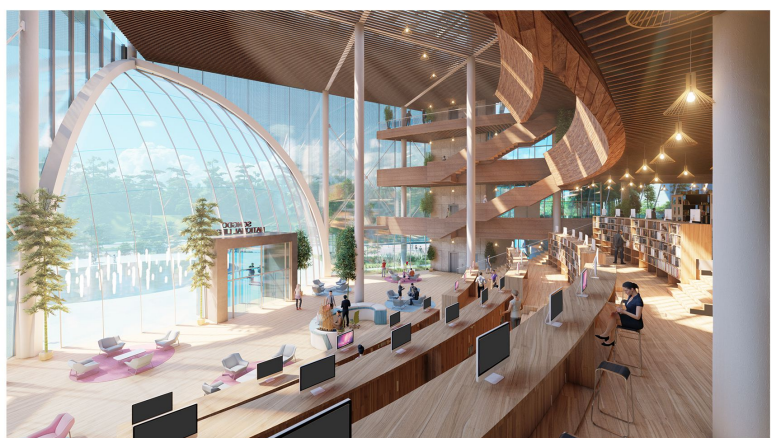
### 05\_Circulation:

- Main axis from streets
- Entrances (Main entrance, pedestrian, Parking, Drive-Thru, Bicycles)
- Circulation inside the site



### 06\_Landscape Design:

- Festival plaza
- Water surface
- Amphitheater
- Green roof



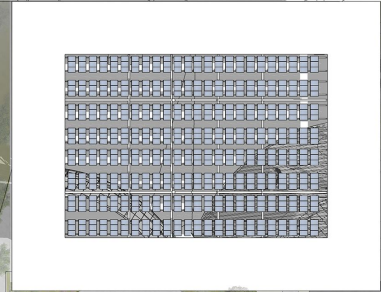
# SITE PLAN



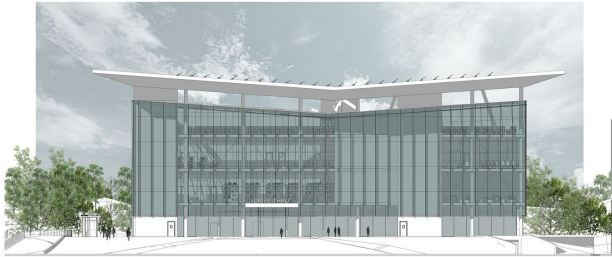
## Design Descriptions

### Architectural Overview and the Facility Area Table

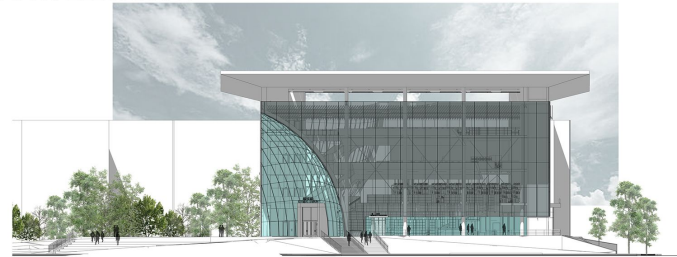
Project site	International Design Competition for the Library, SONGDO International City
Site address	115-2, Songdo-Dong, Yeosu-gu, Jeollanam-do (Jeollanam International City)
Zoning district	2nd General Residential District, 1st District Use Plan Area (as an International Business Complex, Marine Landscape Management Zone)
Land Area size	9,427 sqft
Building Construction size	2,146 sqft
Total floor area	Subtotal
	2,146 sqft
Above the Ground	2,146 sqft
	2,146 sqft
Building land ratio	22.8 %
Ratio of the floor area to site	88.9 %
Structure	Pre-fabricated concrete for the underground parking level Steel framed structure for the 4 levels and the roof above
Number of floors	3 Floors (1 Underground + 4 Above)
MAX. Height	26.5 m
Number of parking vehicles	50 units underground
Landscaping area	7,281 sqft



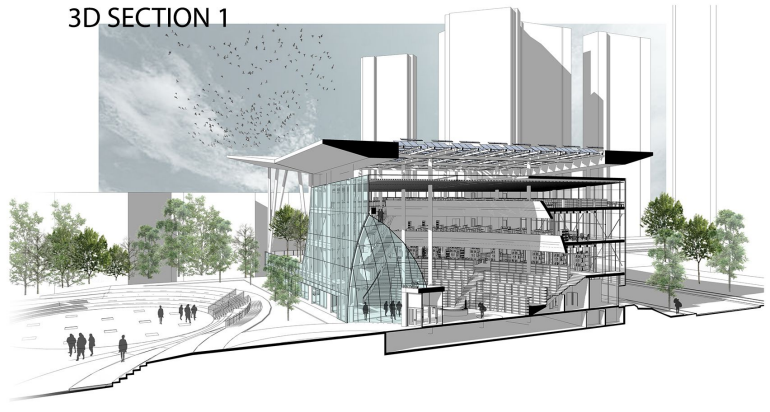
## EAST ELEVATION



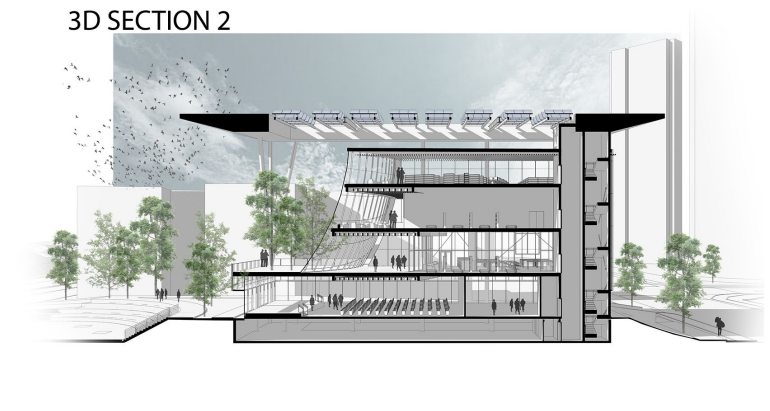
## SOUTH ELEVATION

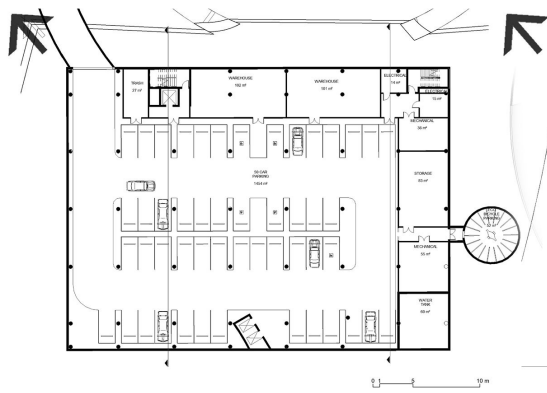


## 3D SECTION 1

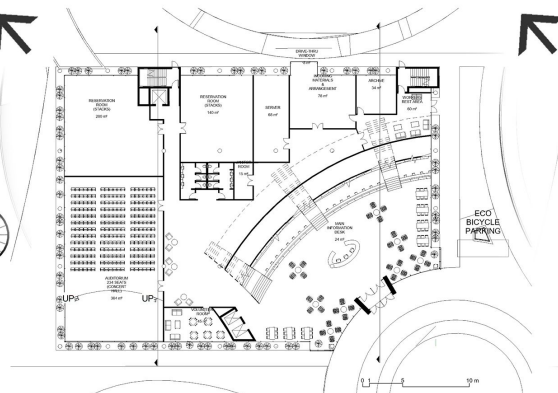


## 3D SECTION 2

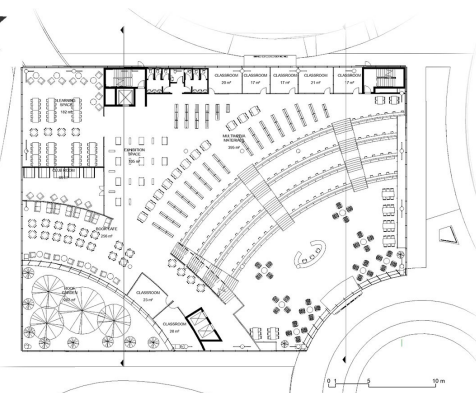




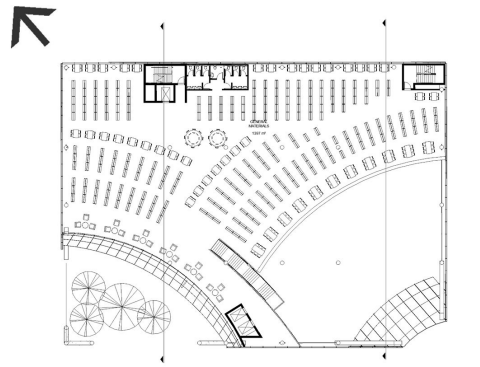
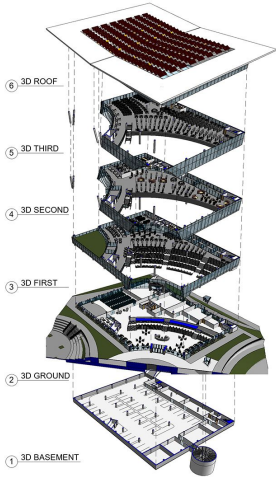
1 Basement Floor  
1:400



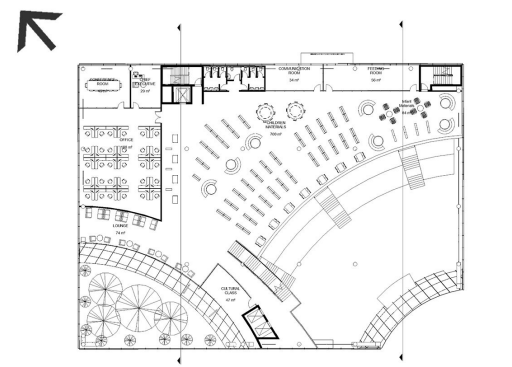
2 Ground Floor  
1:400



3 First Floor  
1:400

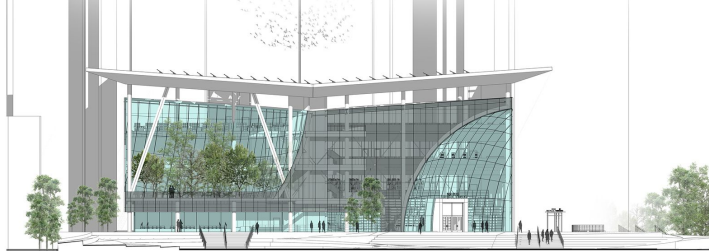


5 Third Floor  
1:400



4 Second Floor  
1:400

WEST ELEVATION



NORTH ELEVATION

