The Museum is belonging to the city structure. It extends the block and the public space. It defines the border between city and landscape. It forms the city and becomes a gate, an open platform towards the sea.

The Museum is a CONTAINER, STORAGE, STREET, ROW OF HOUSES, MARKET, GARDEN, LABORATORY. The Museum is a hybrid, it is a city within the city.

The Museum is facing the harbour. The harbour is a heterotopical place between the city and the strong nature of the sea. The harbour opens the sense to a different unknown world - an utopian landscape.

The identity of the harbour penetrates the Museum in its inner structure with piles of voids, stairs, elevators, shifting spaces. The inside of the Museum is like the expedition through the architectural drawings of Piranesi.

The Museum is a laboratory welcoming everybody. It provides 3 different forms of exhibition:
- 9 contemporary gallery spaces for young Finnish art
- a house for contemporary art
- a house for the permanent collection

The former harbour with wooden plain shelters and storages.
Section 1:500 showing the diagonal void through the building.

Ground floor 1:500 showing the public path through the building and the 9 gallery spaces.
Ground floor 1:500 with contemporary art spaces

First floor 1:500 / exhibition and permanent collection

Fourth floor 1:500 / plant

Fifth floor 1:500 / administration

Third floor 1:500 / exhibition and permanent collection

First floor 1:500 / exhibition and permanent collection

Perspectives of the upper voids / gallery spaces / spaces for contemporary installations

Spatial concept for the museum - Piranesi's carcere

Section scheme

Permanent collection + voids and installation spaces

Contemporary + voids

Location of contemporary galleries for young Finnish art
The architectural concept for the Helsinki Guggenheim Museum includes two building blocks which are connected by a common base at ground level. The larger of the two buildings is characterized by internal voids in a stepped arrangement. The structural concept for the building blocks includes solid external walls for load bearing and lateral stability as well as internal load bearing walls and moderate-span floor plates.

The floors above the internal voids, where load bearing walls do not continue downwards, will be suspended from wall-girders spanning the breadth of the building.

The choice of structural material would primarily be reinforced concrete for floor slabs and walls, although structural timber appears also feasible. For instance, timber trusses fabricated from laminated veneer lumber could be used for the wall-girders minimizing the self-weight of the structure. For the suspended floors, cross-laminated timber elements or ribbed slabs fabricated from laminated veneer lumber could be used.

The foundation of the building complex will be formed by a monolithic concrete ground slab. Together with the exterior walls at ground level, the base slab will form a waterproof concrete trough against ingress of ground or sea water. Due to the soil conditions described in the competition brief, it will probably become necessary to reinforce the base slab with foundation piles reaching to the deeper levels of sand and bedrock at approximately -22 meters.

Since no underground levels are planned, no substantial excavation will be necessary. Disposal of excavated soil is not expected in relevant quantities.

**Ecological concept**

- Low energy consumption and costs of operation
- Minimized footprint with reduced sealing
- Compact body shell
- Sustainable building material: concrete, glass, timber
- Reduced transmission losses
- Triple glazed windows partly with external shading
- Optimized sunlight supply
- Basic heat air logic displacement ventilation system for maximal ventilation efficiency
- Sensible and latent heat recovery system
- Attenuated day or plate (day cooling)
- Natural cooling is set through geothermal energy piles
- Daylight dependent controlled artificial lighting
- Wind supported ventilation
- Earth ducts for preheating or precooling
- Roof integrated photovoltaic system

**Area Specifications**

- Flexible Performance/Conference Hall
- Multifunction Classroom/Laboratory
- Project Space and Atrium
- Exhibition Galleries
- Visitor Screening/Bag Check
- Coat Check/Lockers
- Ticketing and Information Deak
- Storage
- Museum and Design Store
- Stock Room and Office
- Cafe/Bar
- Formal Restaurant
- Kitchen
- Backoffice
- Security Office/Control Room
- Custodial Office
- Supply, Equipment and Seasonal Furniture Storage
- Shipping/Receiving
- Uncrating/Staging
- Art Loading Dock
- General Loading Dock
- Circulation
- Restrooms
- Mechanical/Electrical/Plumbing
- Landscape and Grounds Maintenance Equipment
- Offices
- Staff Lunch Room/Lounge
- Locker Room
- IT Server, Workroom, Staff Office
- Art Storage
- Shared Art Prep/Conservation Studio, Equipment Storage
- Registrar, Conservation, Exhibition Design, Tech Office
- Restrooms
- Lobbies