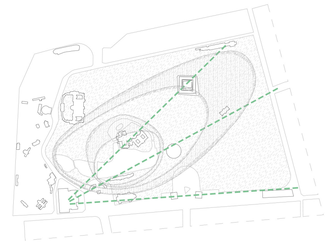
External perspective view Main entrance approaching from the south

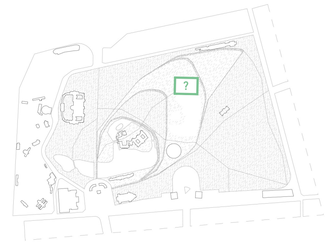


Analysis

Contentric circles of walkways and a virtual triple axe that links the existing museum building and proposed new constructions.

Zoning the park

A peaceful park in the centre, not overloaded with landscape architectural features. All functional, thematic gardens can be accessed outside the perimeter of the nucleus. The circular walkway is completed on the other side of Kós Károly promenade to create a main artery.

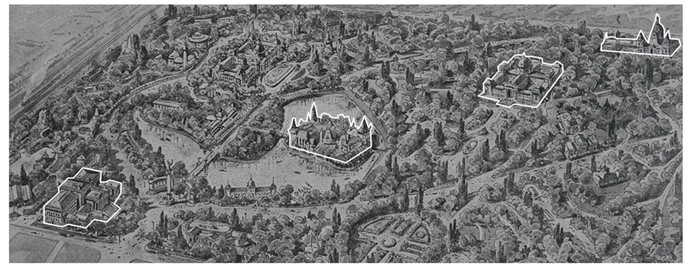


Current structure

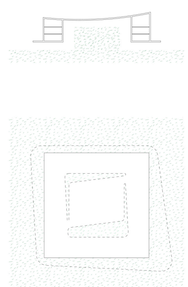
Eccentric circles balanced at Heroes' Square and a diagonal path. The signed historical place of National General Exhibition hall lacks any connection to the current structure.

Proposal

Catching current walkways by new ones. The new Museum is connected with Heroes' Square, Hermina way and the Rotunda. The rehabiltated Zichy Mihály promenade leads to the main entrance, the park entrance opens at the direction of Heroes Square.

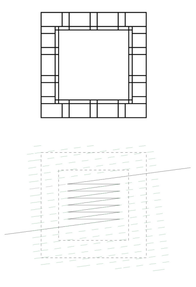


Connection between historical institutions



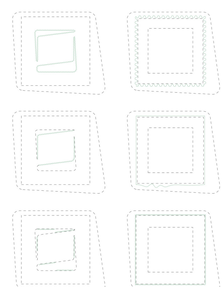
Flow

of the City Park's life through the Museum



Structure

of the two museums. Classical vs Contemporary



Veils

flexible, translucent veil in the inner zone, fine porcelain veil on the crust zone

DESIGN CONCEPT

The duality of permanency and change

The focus of the architectural concept is to establish a new context in the existing park by placing a new element into it. We wished to bring up new connections between the natural and built elements and by doing this we hope to generate a rethinking process between the connection of nature, man and culture. Our conviction is that an ideally perfect culture only existed when in close coexistence with nature; this idea will prevail in future.

Redefinition of the connection between culture and nature in contemporary information society served as a starting point of the thinking process. We tried to interpret the relationships between the New National Museum and the Ludwig Museum within this intellectual context.

We think about the museum to be erected as a physical container having strong presence and offering rich possibilities for people to make contacts with nature, art, and other people there. Overwhelmed with virtual experiences, people will crave for real experiences in real spaces.

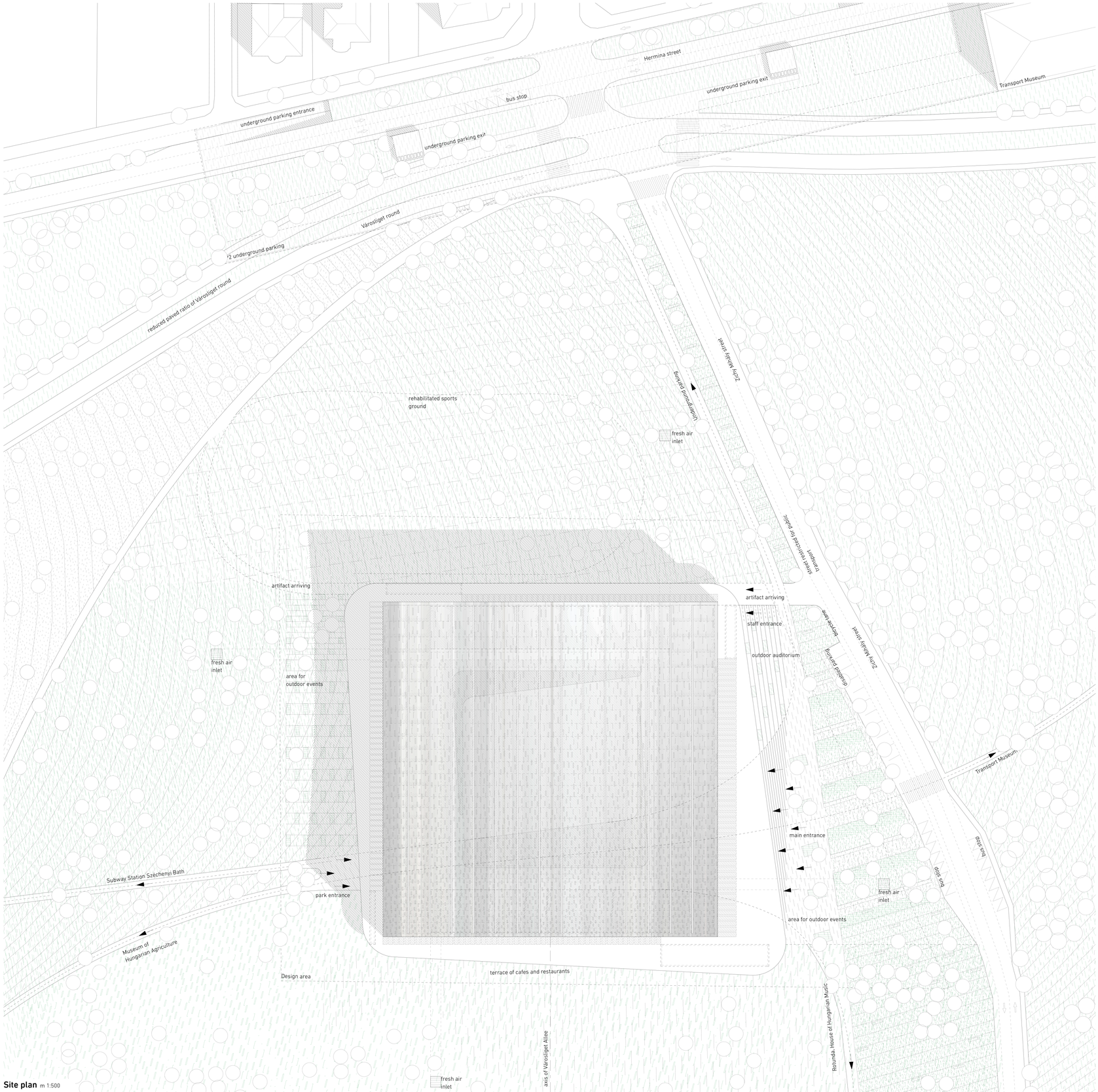
01

Conception

Liget Budapest

NNG + LUDWIG

2015



Site plan m 1:500

Mandatory external perspective view Southern facade at dusk

Mandatory external perspective view Southern facade at dusk

THE IDEA OF RESERVE
Reserves in nature and in the arts

The New National Gallery is more than a museum; it is a national heritage-preserving institute. The NNG not only exhibits but also stocks up and guards the reserves of Hungarian art. Added to that, we hope to find new reserves than can enrich the visitors' experience in the new museum complex. First of all, thanks to the new location, the architectural intervention can contribute to find reserves in the green of this main urban park. The protection of the second biggest green area of Budapest can be regarded as a long-term investment, we should always be aware of the fact that this area accumulates reserves not to deplete them.

The totality of City Park Budapest program balances between the two extremities of preserve and remainder. To achieve a positive outcome in this location we need to be proportionate, therefore the design needs to stand apart from all unnecessary gestures and it may even decline to some appealing design possibilities.

02

Site plan
m 1:500

Liget Budapest
NNG + LUDWIG
2015

Internal perspective view Ludwig Museum temporary exhibition space

Internal perspective view New National Gallery permanent exhibition space

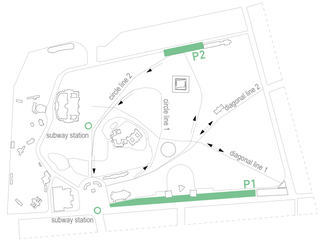
Underground parking m 1:1000

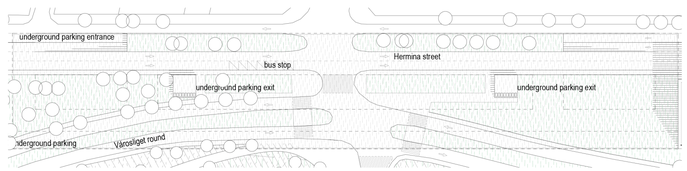
Vehicle parking demands of the whole City Park and its institutions solved in an integrated system with underground garages on the perimeter on Dózsa György Way and Hermina Way.

3 x 270 (810) parking places on 3 floors along Hermina Way.

Preserving the natural life of the park used by many people on weekends was a core issue. Therefore we needed to make some restrictions that might weaken the green character of the City Park. We recommend the exclusion of the crossing trolley, as well as the visitors' and other crossing car traffic from the whole territory of the City Park.

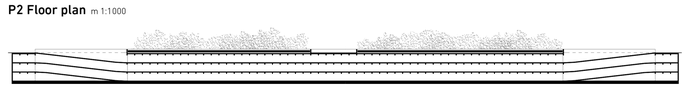
As a conclusion we have not placed the parking under the museum complex but have found a separate place in the vicinity, to be placed under Hermina Way. This could be the northeastern pair of the underground parking of Dózsa György Way. These two well situated parking facilities, the planned and the existing underground stations and the green energy powered public transport in the interior parts of the park will liberate the park from crossing traffic and at the same time they allow access to all institutions in the park.



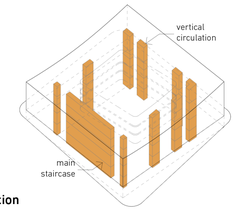


P2 Site plan m 1:1000

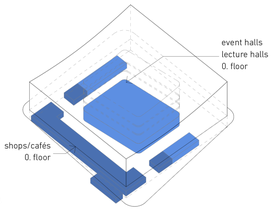
P2 Floor plan m 1:1000



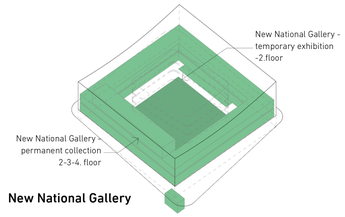
P2 Section m 1:1000



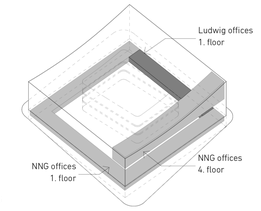
Circulation



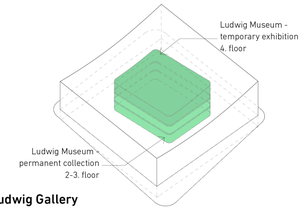
Events



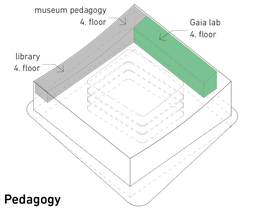
New National Gallery



Offices



Ludwig Gallery

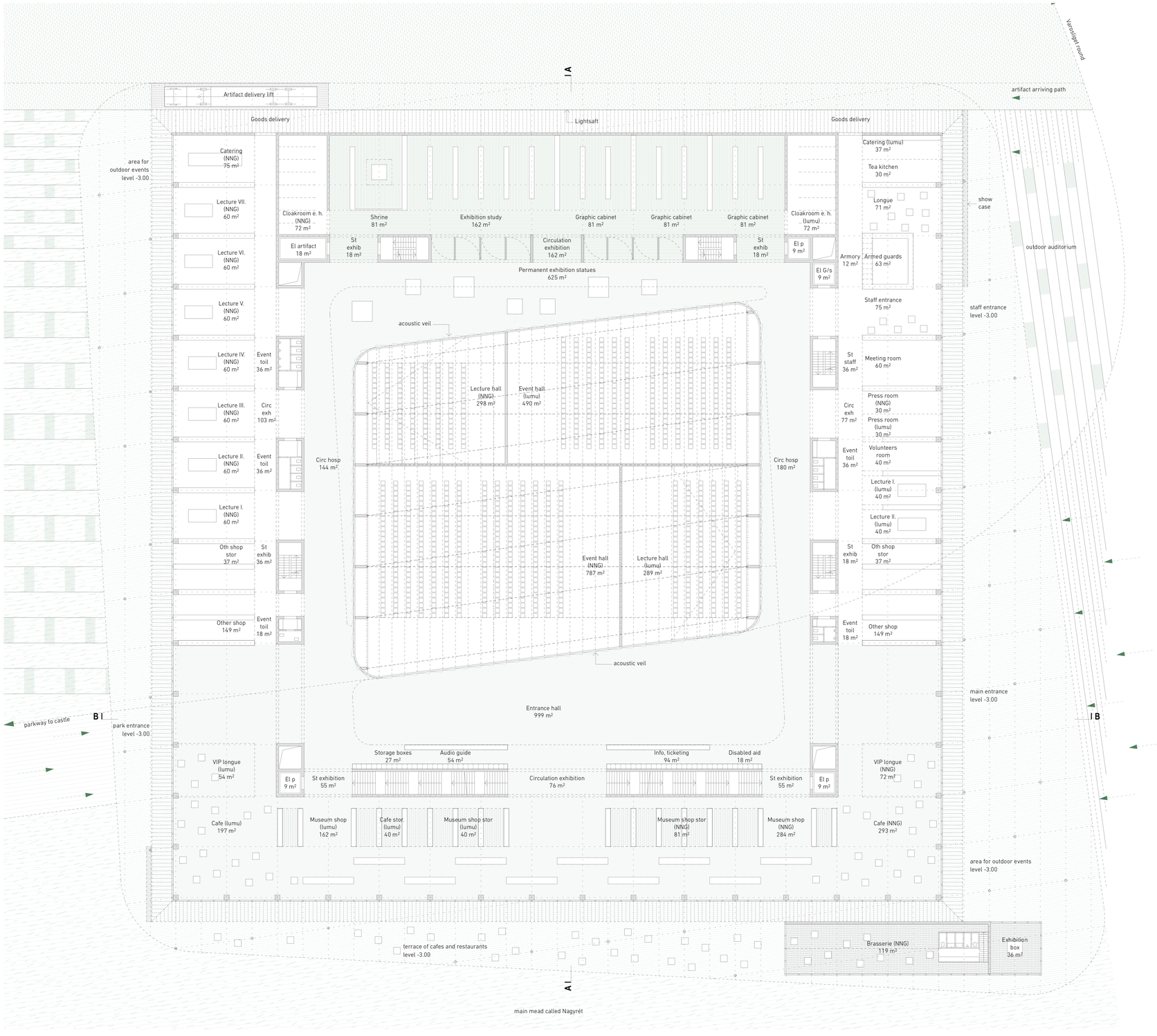


Gaia + Pedagogy

CONTACTS
Physical, optical and intellectual relationships

As it is today the museum is both a place for contemplation, silent concentration and individual reception and at the same time a meeting place for public life and creative amusement. Touchable and untouchable characters on a both physical and ideal level are very diverse throughout the different parts of these two museums. There are seemingly conflicting dichotomies to be handled at the same time, but naturally the space of the museum has to fit all appropriate human activities.

The roof structure of the building, an arched cable net construction that spans 90 metres can also be interpreted as a metaphor of the untouchable character. The form of hyperbolic paraboloid was created by the cable structure. It is not an aesthetic design decision apart, but the natural result of physical forces. That architectural solution was born out of the wish to create a huge, enlightened and flexible exhibition space offering a huge range of possibilities for curators.



Ground floor plan m 1:250

Internal perspective view Entrance hall

Internal perspective view View from the Cafe

CRUST ZONE AND INNER ZONE

The functional construction of the building

The design program required a solution for two separate institutions. Our main architectural concept is to locate the New National Gallery and Ludwig Museum in one building. We were interested in creating rich possibilities of interaction between the two museums while maintaining their separation. We think about the possibility of interaction as an intellectual reserve of the new situation.

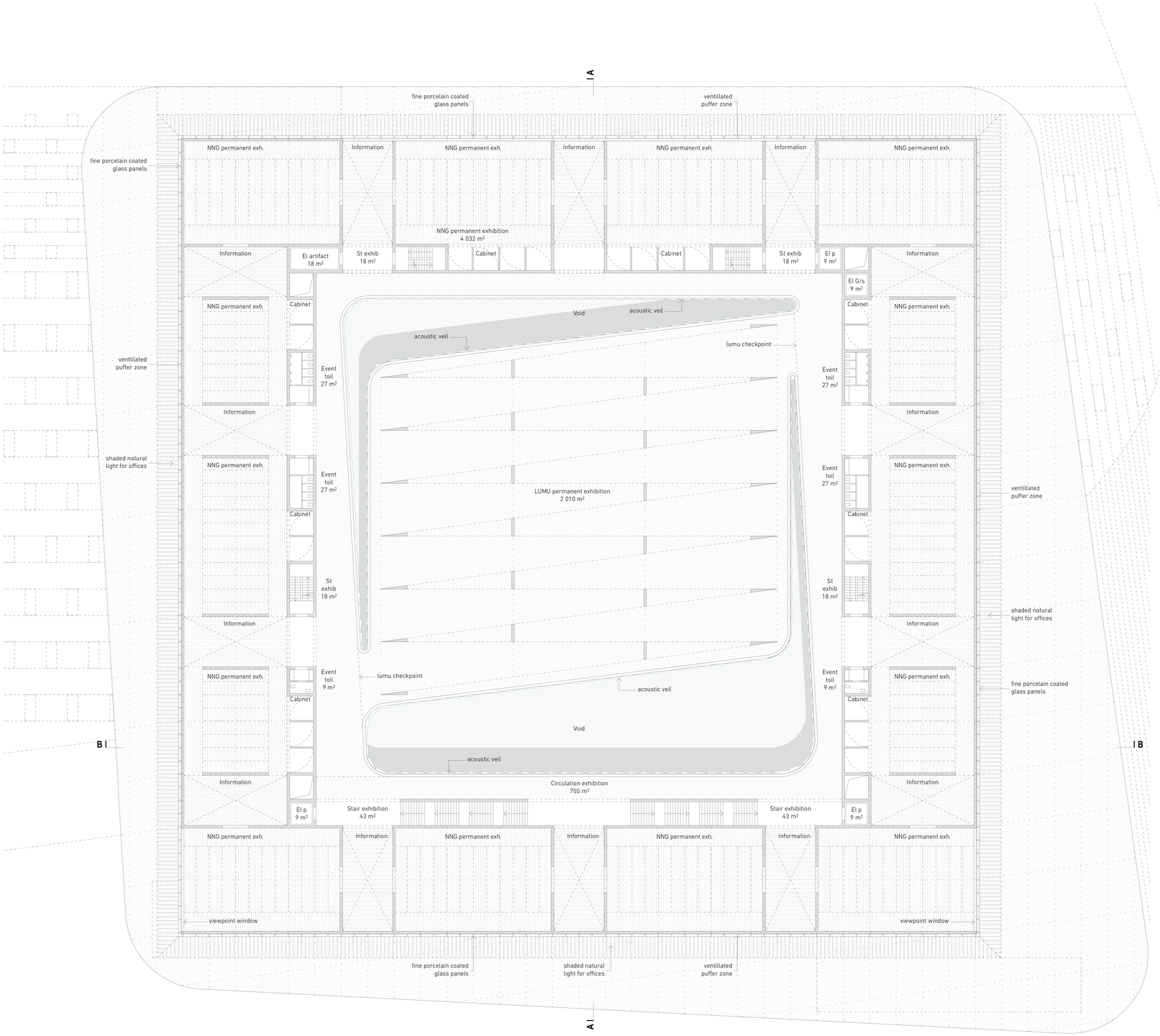
NNG can be found at the outer vertical zone of the building that we named a crust zone. As opposed to that LUMU is located in the inner zone of the building. Therefore we suggest that the meeting of the two museums should not be restricted into points but instead we offer a possibility of adjustable meeting zones. We call that meeting area: intelligent filter zone and enable that with different functions.

The NNG in the crust zone gives a historic frame. There is a classical room structure, an enfilade referencing elegant museums created in palaces, fitting the presentation of historic pieces of art. The spaces of the LUMU are located in the inner zone and offer a great flexibility. Contemporary art can fill out the spaces left within the frame of historic art.

04

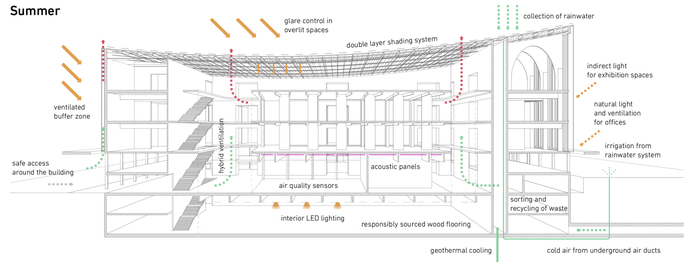
Ground floor plan
m 1:250

Liget Budapest
NNG + LUDWIG
2015

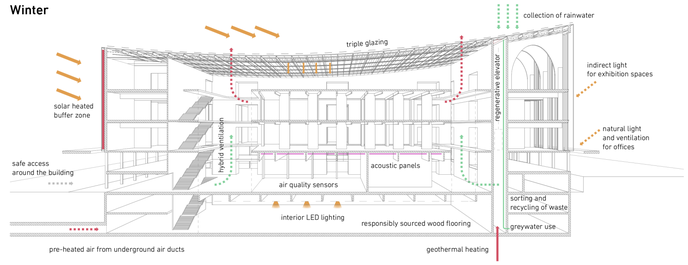


Exhibition floor plan m 1:250

Summer



Winter



Energy concept of the building BREEAM conception with summer and winter schemes

Internal perspective view Communication spaces between the New National Gallery and the Ludwig Museum

FILTER ZONES
Helping interactions

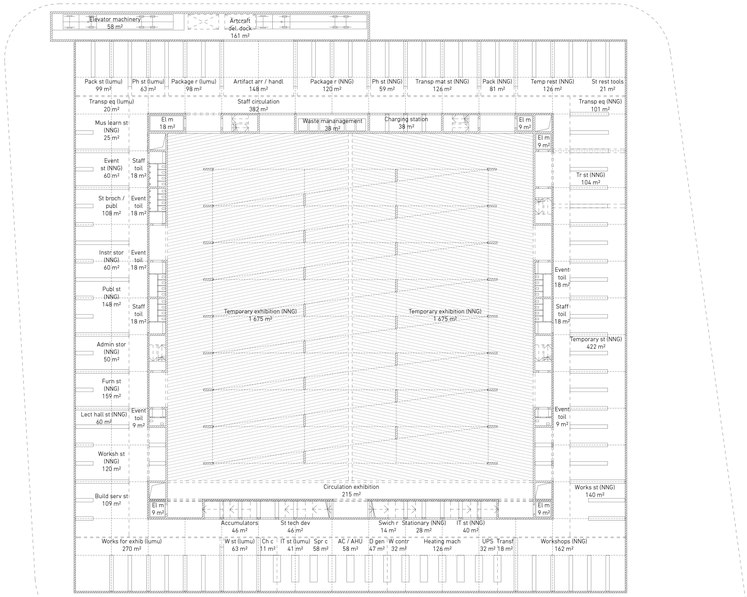
Intelligent filter zone - Between the outer crust zone of NNG collection and the inner zone of LUMU there is an intermediate surface that we call an intelligent filter zone. While usually walls divide spaces and functions we looked for a less rigid and more ambiguous solution that can serve several functions. It is equally a tool for separation and for connections.

Café and shrine - Placing smaller built elements in satellite position enhanced the communication between the museum complex and its natural context. The café and a shrine are separate units having strong relations with both the function of the museum and the park. It was designed as an invitation gesture towards people walking in City Park to lure them inside. These smaller architectural units open up the outline of the building and they create a smooth transition between the inner world of the museum and the outside world of the park.

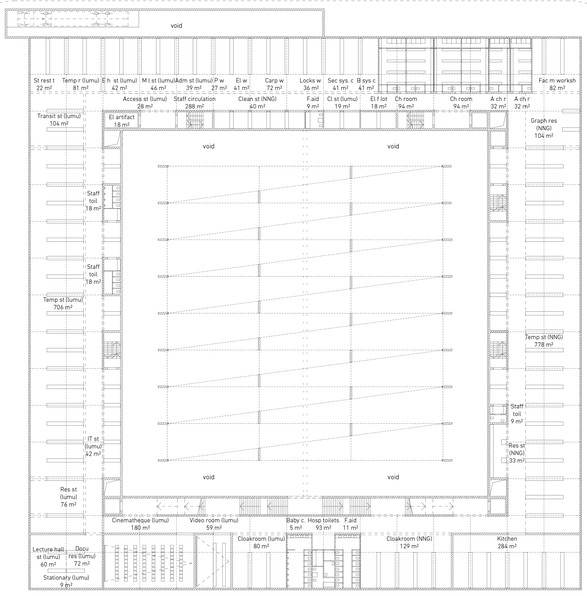
05

Exhibition floor plan
m 1:250

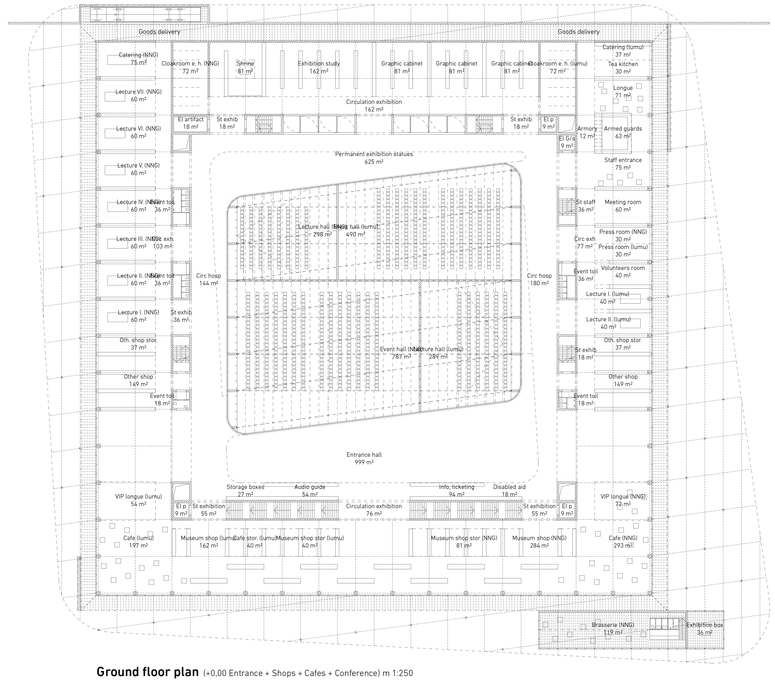
Liget Budapest
NNG + LUDWIG
2015



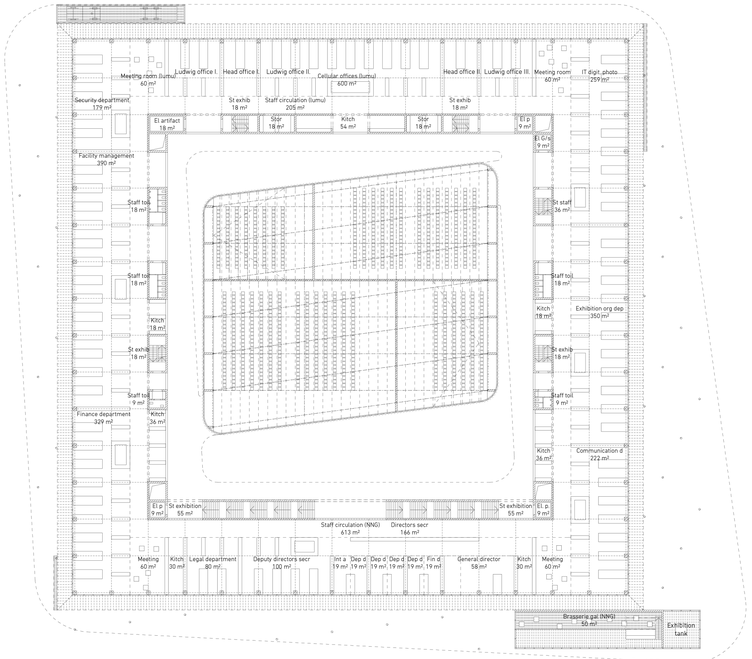
-2nd floor plan (-8,00 NNG Temporary Exhibition + Storage) m 1:250



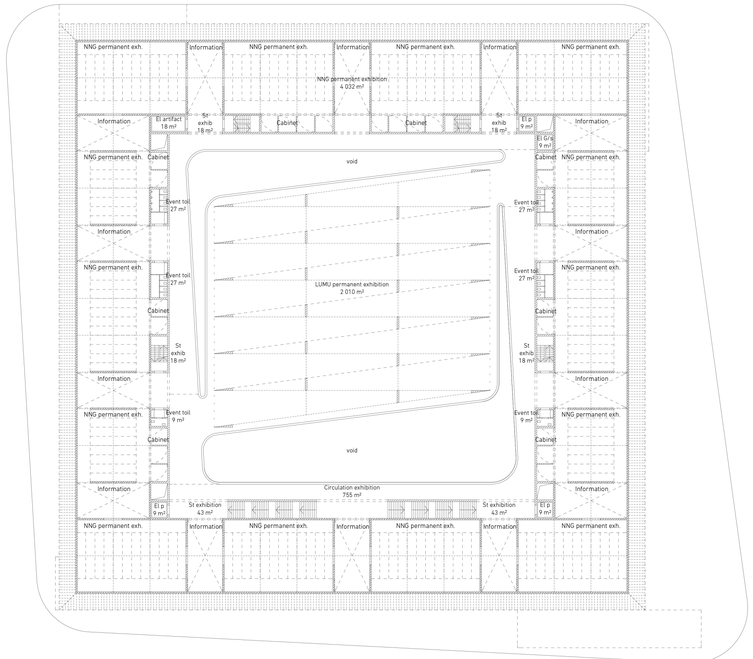
-1st floor plan (-4,00 Storage + Hospitality + Workshops) m 1:250



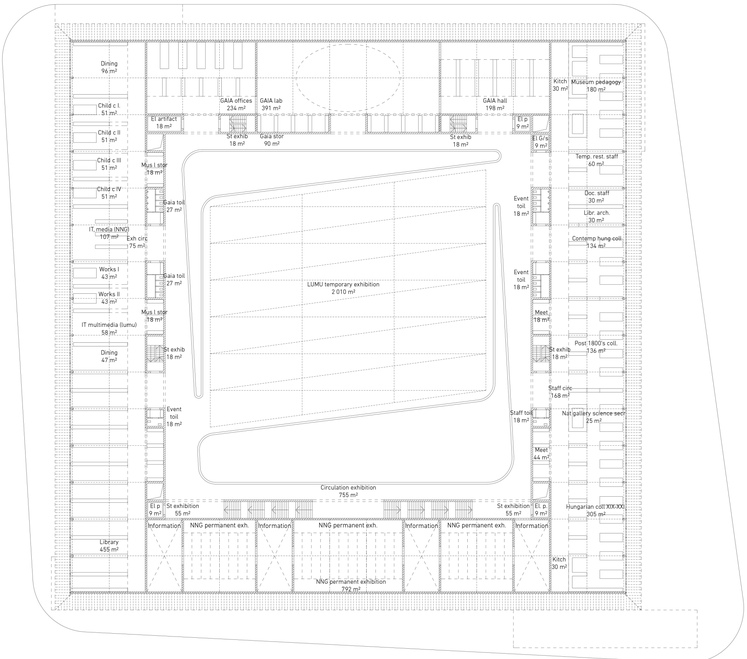
Ground floor plan (+0,00 Entrance + Shops + Cafes + Conference) m 1:250



+1st floor plan (+4,00 Offices) m 1:250

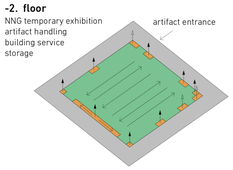


+2nd and +3rd floor plan (+14,00 and +8,00 Permanent Exhibition) m 1:250

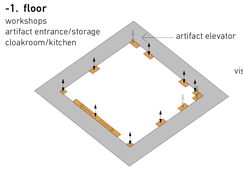


+4th floor plan (+20,00 GAIA + LUMU Temporary Exhibition + Pedagogy) m 1:250

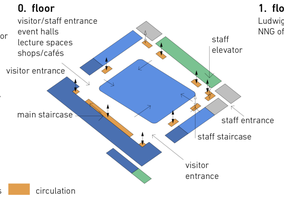
-2. floor
NNG temporary exhibition
artifact handling
building service
storage



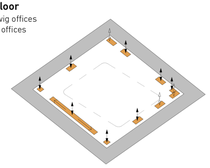
-1. floor
workshops
artifact entrance/storage
cloakroom/kitchen



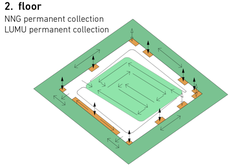
0. floor
visitor/staff entrance
event hallls
lecture spaces
shops/cafés



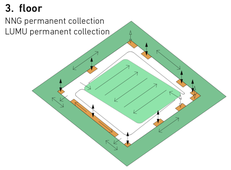
1. floor
Ludwig offices
NNG offices



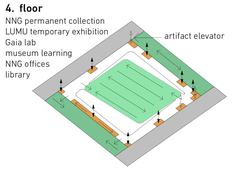
2. floor
NNG permanent collection
LUMU permanent collection



3. floor
NNG permanent collection
LUMU permanent collection



4. floor
NNG permanent collection
LUMU temporary exhibition
Gaia lab
museum learning
NNG offices
library



Functional schemes NNG LUMU shops/cafés events storage/offices circulation

ROOMS, CABINETS, WHITE CUBES AND OPEN SPACES
The concept of exhibition design

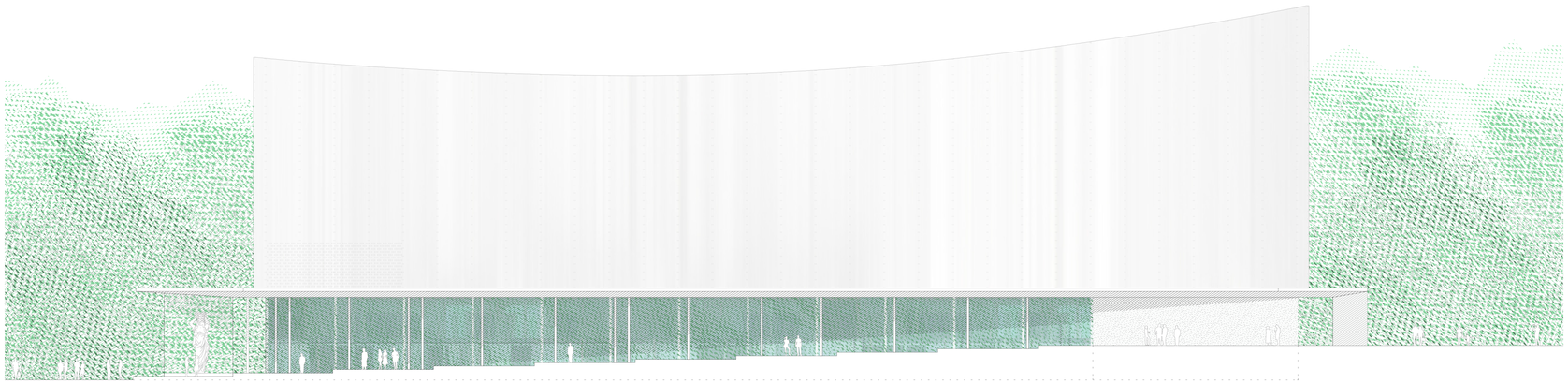
It is important to underline the fact that in spite of new possibilities, the traditional spaces of NNG are very rich in character in themselves and they are also different in size dimensions. The exhibition area expands on several levels and offers a great variety of settings that can fit different curatorial concepts.

As discussed beforehand an intelligent filter zone both separates and links the two very different museum spaces. In that zone we have placed smaller, intimate exhibition unites or cabinets that can be used for installations with special values (e.g. one-offs, small size artefacts, numismatics, prints) or ideas provoking debate or special concentration. These cabinets can have special multimedia equipment or be regarded as film boxes. Besides creating cabinet exhibitions, these spaces can be linked into both sizes, therefore open up possibilities towards new directions.

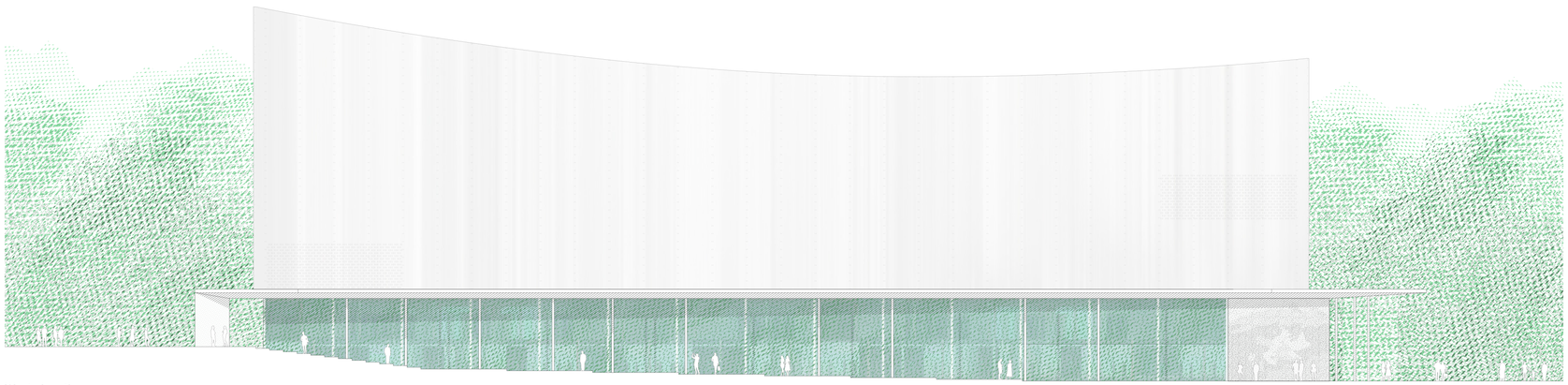
06

Floor plans
m 1:500

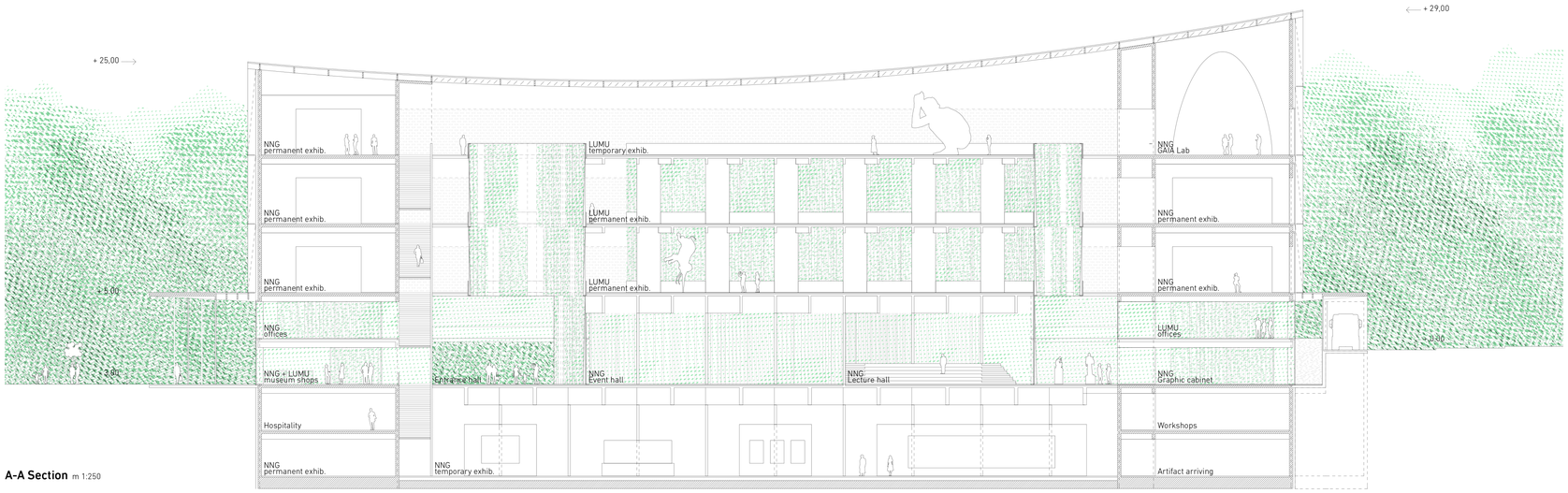
Liget Budapest
NNG + LUDWIG
2015



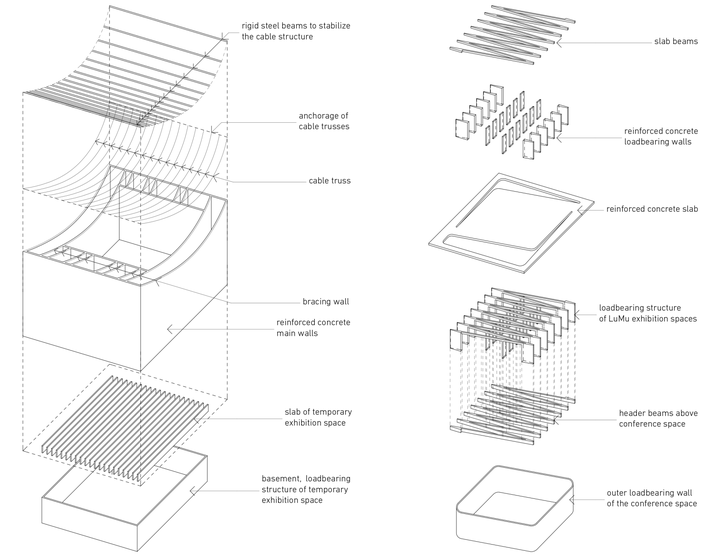
East elevation m 1:250



West elevation m 1:250



A-A Section m 1:250



Structural concept

Internal perspective view Event and workshop space of GAIA lab

VEILING ART, VEILING SPACES

Coherence between space, form and material

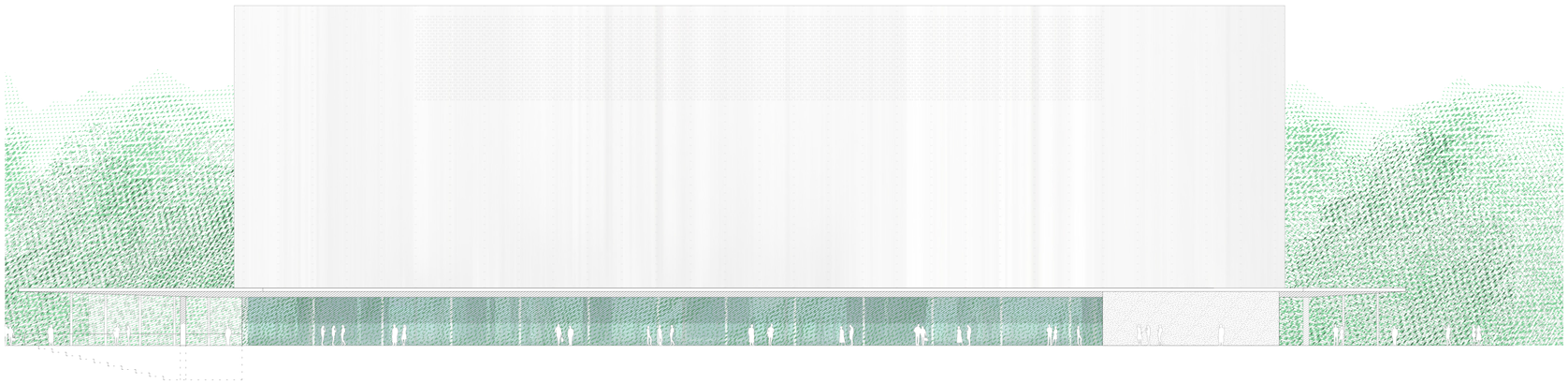
Architectural form is born out of the structural setting. As a main principle we built up the form of our museum complex from spaces that can serve as an appropriate and rich aura of exhibited pieces. The classical outer museum spaces of NNG have been positioned on a higher vertical situation (from 2nd floor upward) – this elevation is both physical and symbolic. On the basic floor that leaves open space to adopt into the flexibility and flux of contemporary culture. This horizontal spatial freedom is very close to the ordinary life.

There are different materials that match theses different spatial characters. The traditional crust zone of NNG has a white porcelain veil. That fine sophisticated ceramics is the material of the façade. On an abstract level that fine white skin veils the pieces of arts positioned inside. There is some dynamism in the design of that veil to suggest a more natural behaviour of the façade placed in nature. While the veil is a solid material on the outside skin of the building, there is another veiled surface between the different inner areas. That veil is made of a smooth, tactile material, a special textile.

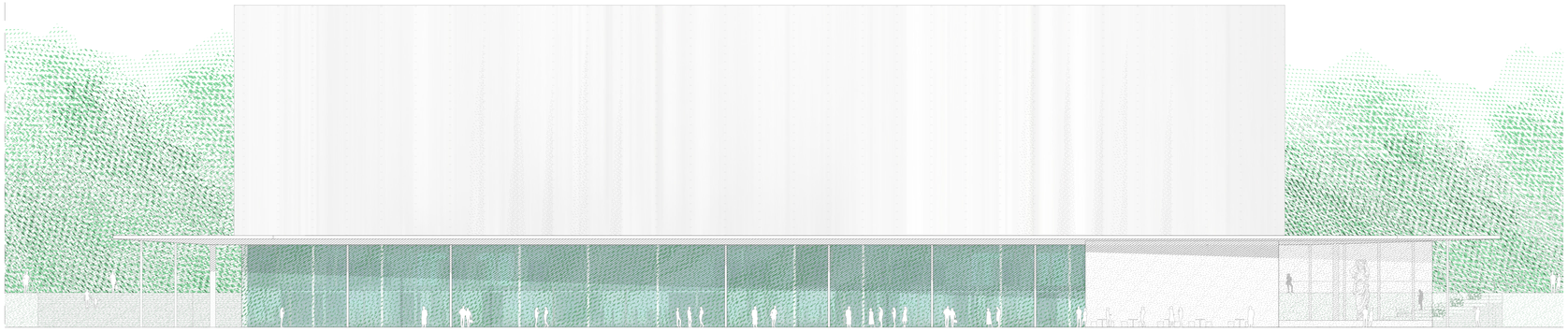
07

Elevations and section
m 1:250

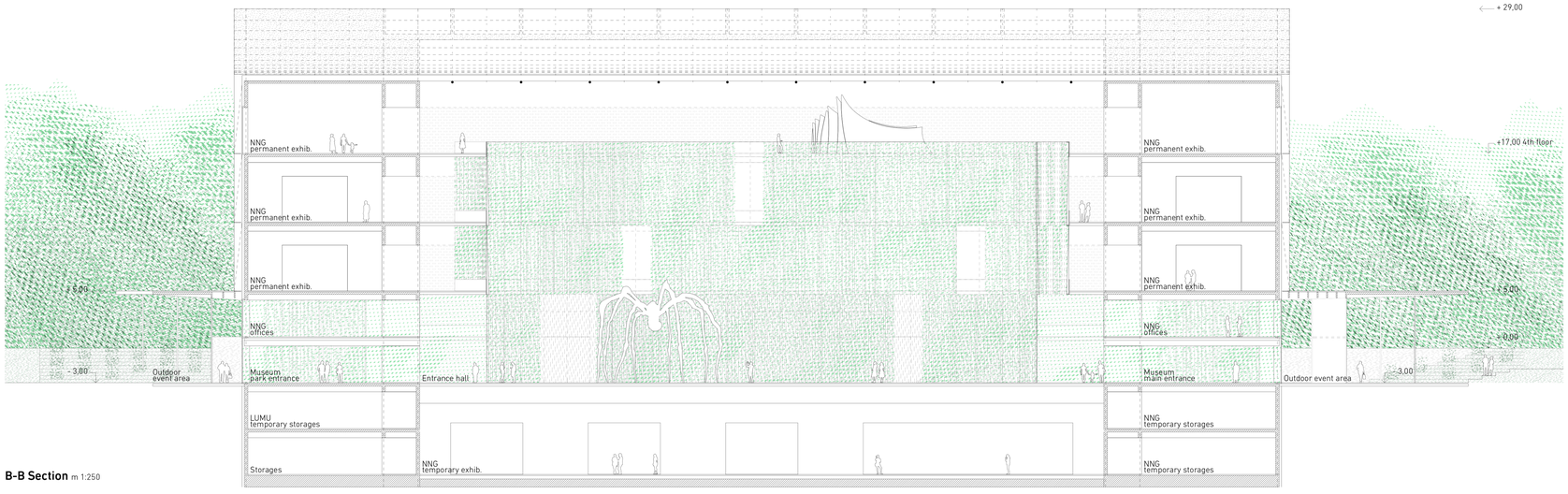
Liget Budapest
NNG + LUDWIG
2015



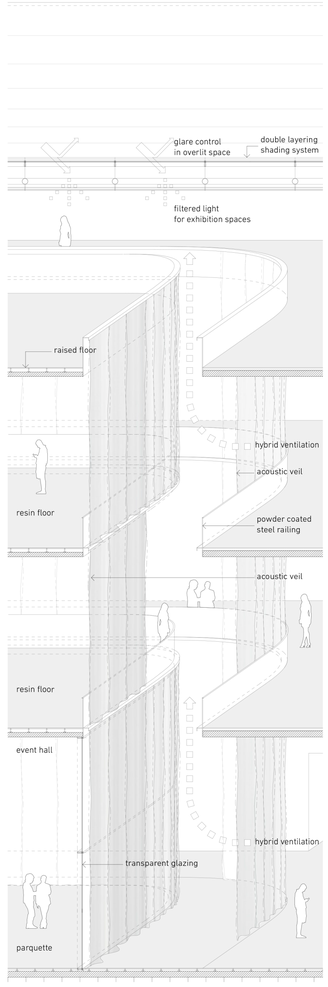
North elevation m 1:250

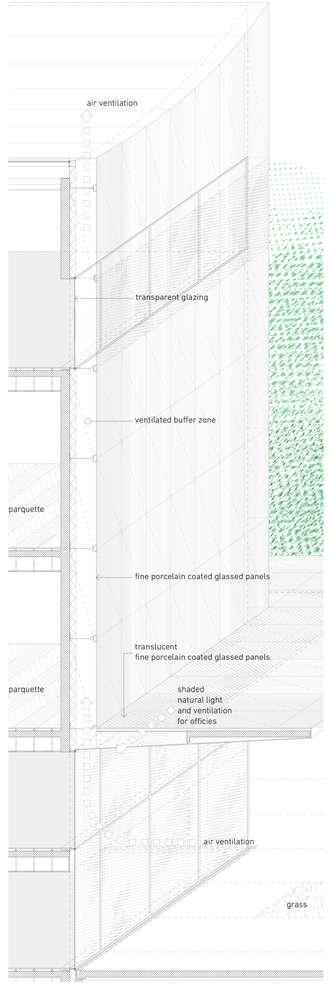


South elevation m 1:250



B-B Section m 1:250





Partial elevations m 1:100

External perspective view Park entrance of the museum

ATTRACTIONS
Architecture and art

Public buildings and especially museums not only serve well-defined functions but they are designed with the intention of creating an architectural artefact having special artistic merit. Architects seek to create unique structures so as to attract the attention of people and to offer them a building that stands out of the ordinary.

The location of NNG and LUMU in a central park having fantastic natural, urban and historic reserves is a fantastic possibility at one hand. However, it is also a restriction from the point of ecology and sustainability. That is said, it is also important to note that beauty for its own sake seemed to be an inappropriate and unproportional architectural attitude in the middle of this park. Therefore we dedicated our creative focus to create attractions that meet the criteria of sustainability and common sense. Compact solutions were favourable.

08

Elevations and section
m 1:250

Liget Budapest
NNG + LUDWIG
2015