

تصميم معماري III



م.علي سعد عبد الوهاب

جامعة المثنى

كلية الهندسة

قسم هندسة العارة

المحاضرة رقم 10 - الأسبوع العاشر
افكار تصميمية لمشاريع مكاتب مركزية جامعية
مشروع تصميم المكتبة المركزية - جامعة المثنى



Library and Learning Centre University of Economics Vienna / Zaha Hadid Architects



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LIBRARY, LEARNING, UNIVERSITY • VIENNA, AUSTRIA

Architects: Zaha Hadid Architects

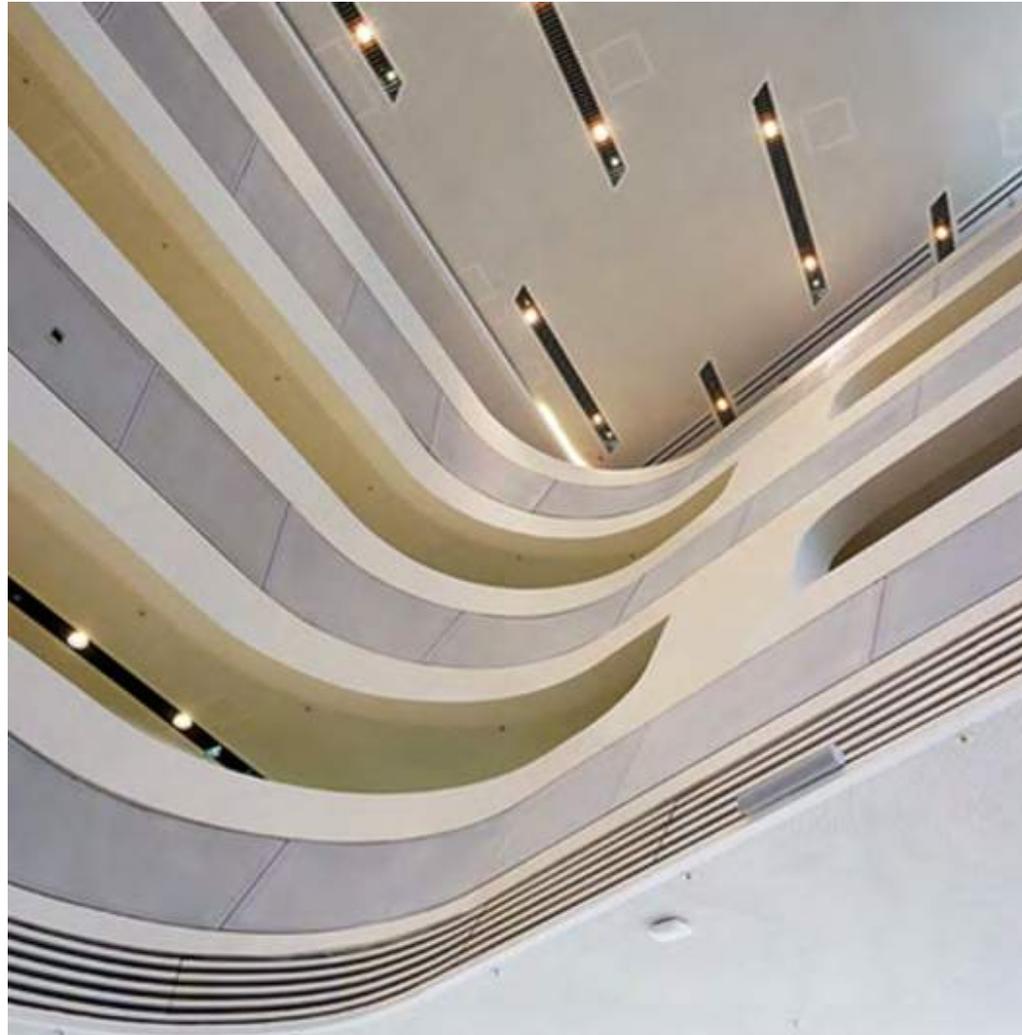
Area : 28000 m²

Year : 2013

Photographs : Roland Halbe, Iwan Baan

Manufacturers : HAVER & BOECKER, Rieder Group, HAFI, Zumtobel, Hiller Furniture, Rosconi AG, Vogl Decken systeme / Acoustic Ceiling panels

Products used in this Project



HAVER & BOECKER



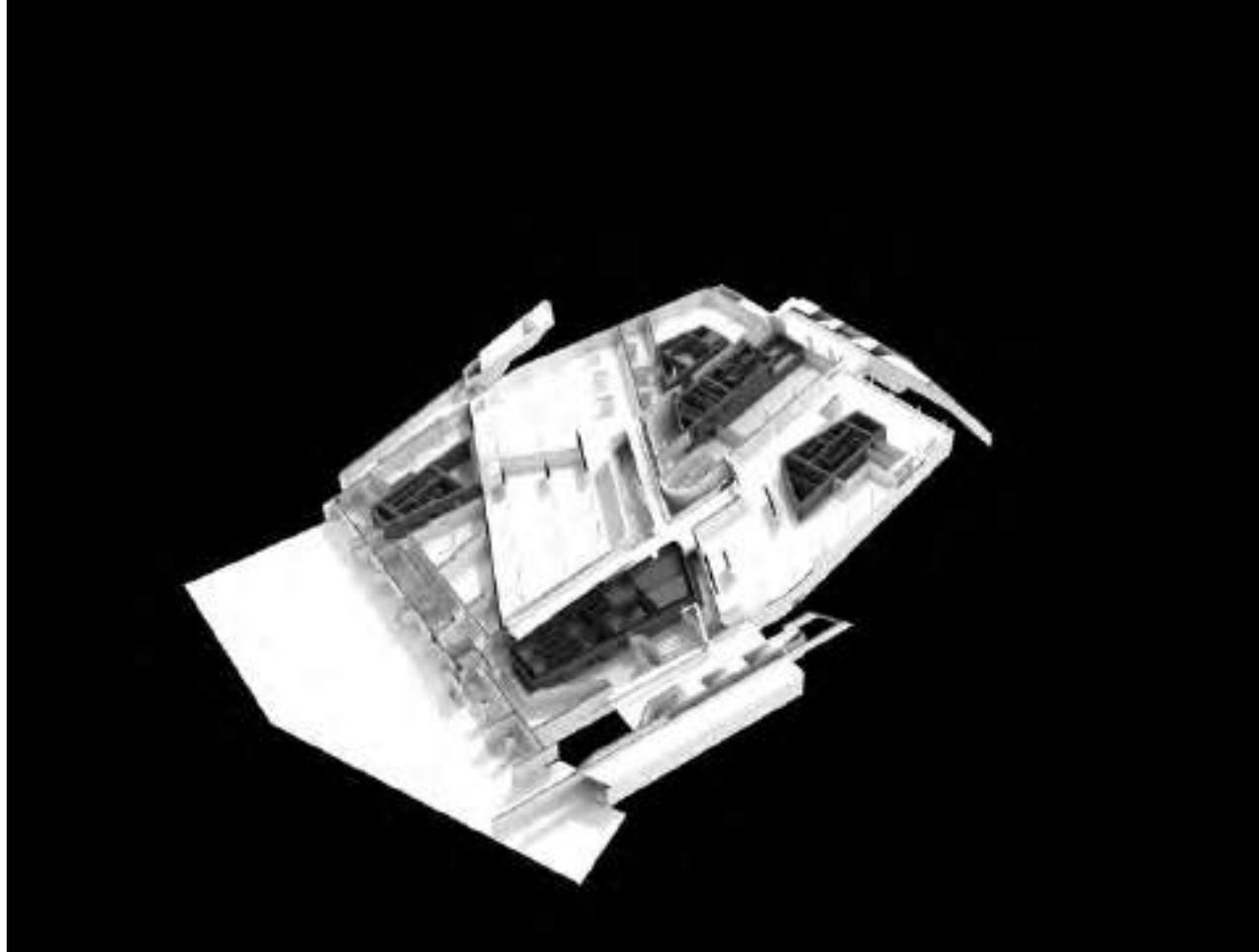
Rieder Group





Text description provided by the architects. Architectural Concept

The new Library and Learning Centre rises as a polygonal block from the heart of the new University campus. The interior of the LLC is informed by the external circulation of the masterplan which maps out the different levels of the building. The straight lines of the building's exterior separate as they move inward, becoming curvilinear and fluid to generate a free-formed interior canyon that serves as the principal public plaza of the centre, as well as generating corridors and bridges ensuring smooth transitions between different levels.



Functional Plan

The aim of the functional plan is to clearly define the different areas of the building. The plan is translated into a three dimensional object which outlines the space around the central atrium, the corridors and the canyons. The main block of the building houses the Service Area, the Learning Centre and the Economics Library, with Student Services and Library Management located in the smaller block.

LIBRARY & LEARNING
CENTRE, UNIVERSITY
OF DOWNSIDE VICTORIA
FINAL WORKSHEET
PLAN 1:100 (OVERVIEW PLAN)
1. SEE OTHERS' WORKSHEETS FOR
GENERAL INFORMATION
2. DIMENSIONS ARE IN METERS
3. PROJECT NAME
4. DRAWING

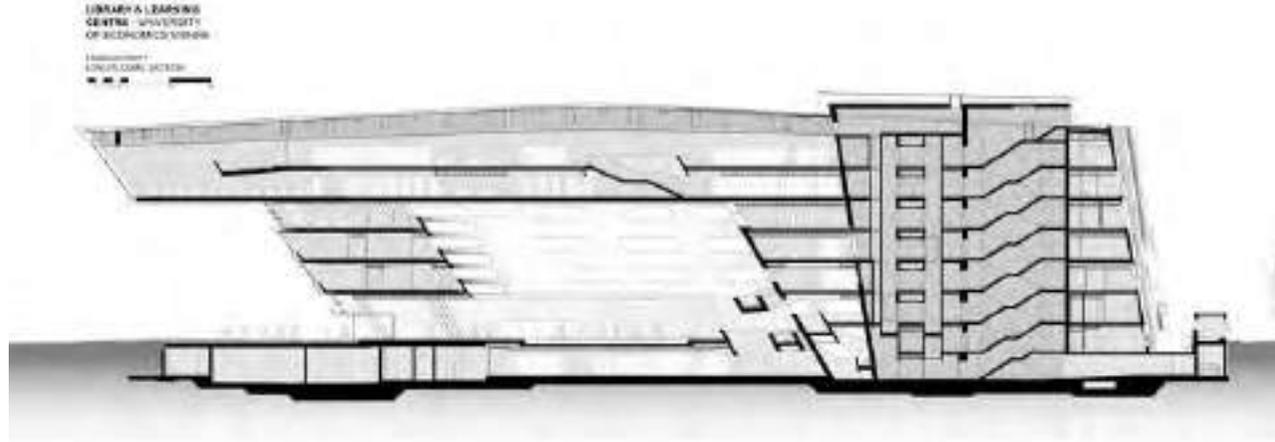


While the interior edges of the site join together in a flowing free-form, the exterior edges of the building are cut sharply and their alignment contrasts with the site edges specified on the master plan and with the position of the adjacent buildings.



Internal Circulation

From the main entrance of the LLC, visitors can walk directly to the central auditorium which also functions as a large atrium flooded by natural light. A system of ramps leads from the auditorium to the library entrance and the central services on the first floor. The security and locker areas are located on the mezzanine below.



Visitors can access the library and the student management offices via ramps and stairways spiralling upwards from the ground floor. The different areas on the upper levels are connected via platforms, bridges, terraces and galleries.

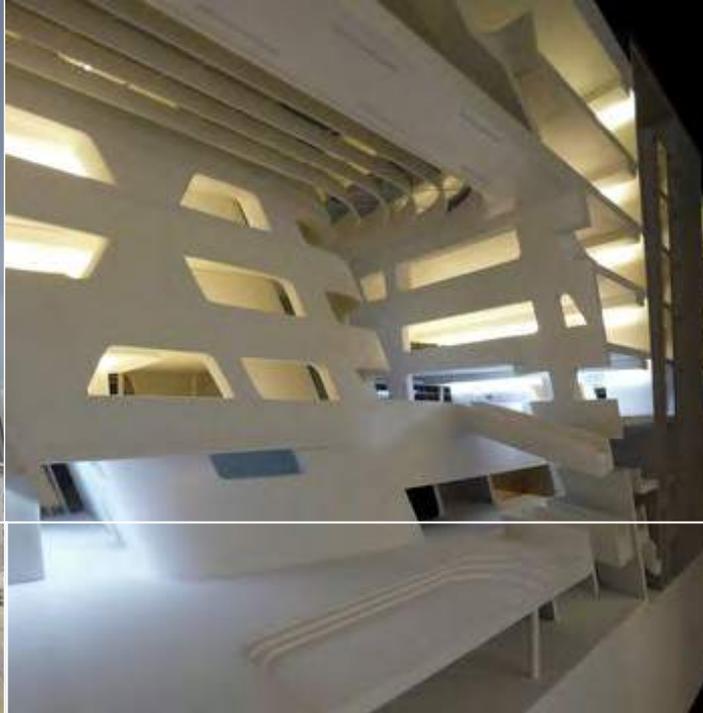


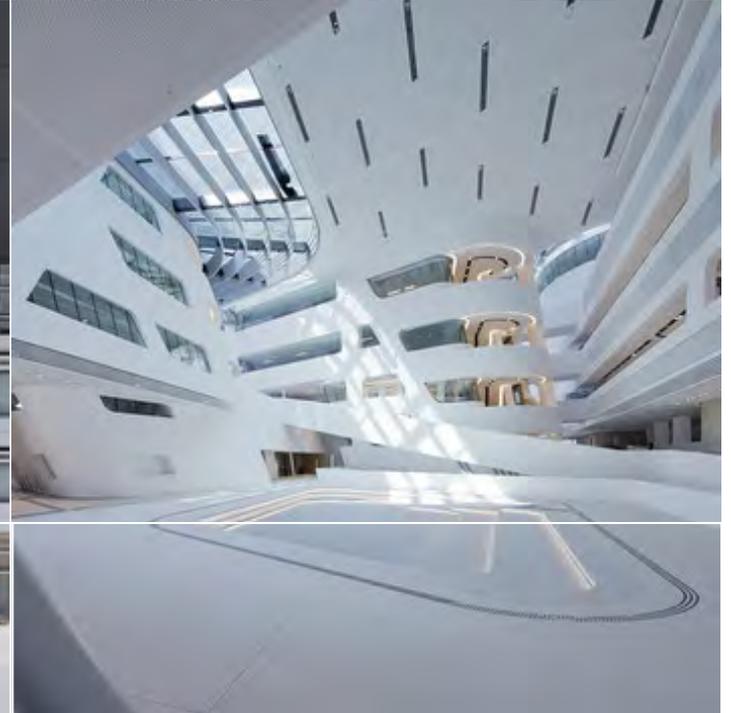
Façade

The external appearance of the LLC is characterized by two elements of contrasting colours separated by a glass joint: shell and shadow. These different colours facilitate the orientation and understanding of the two primary areas of the building from the exterior.



Project gallery

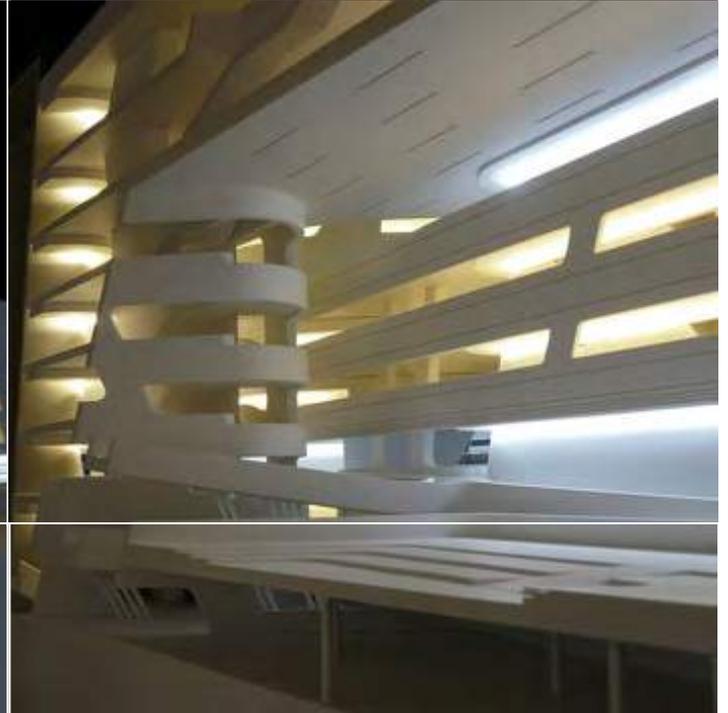
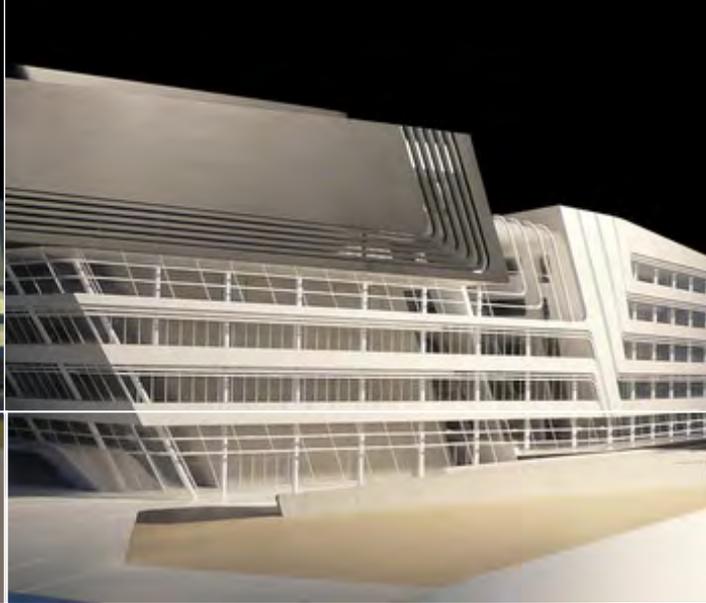


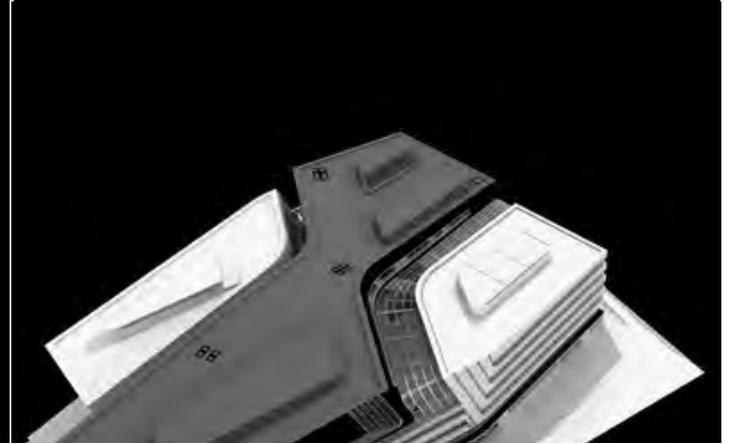
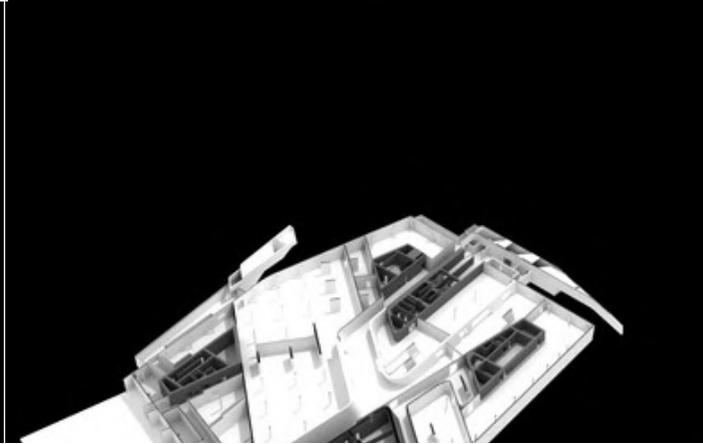
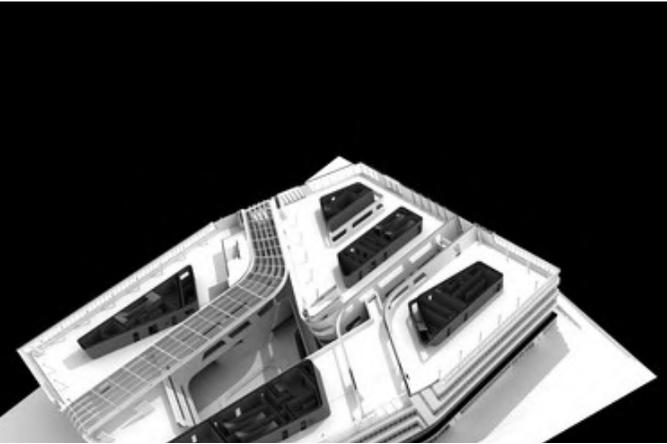
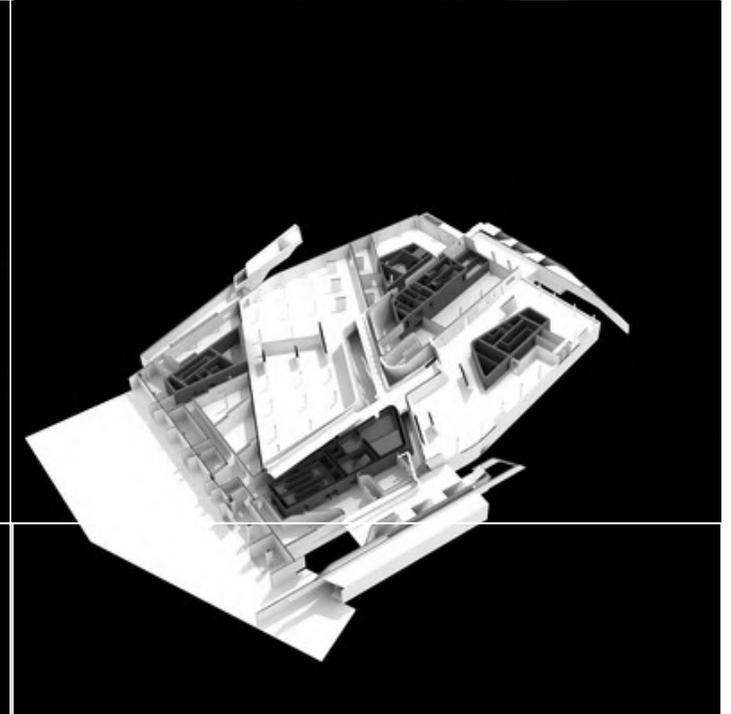
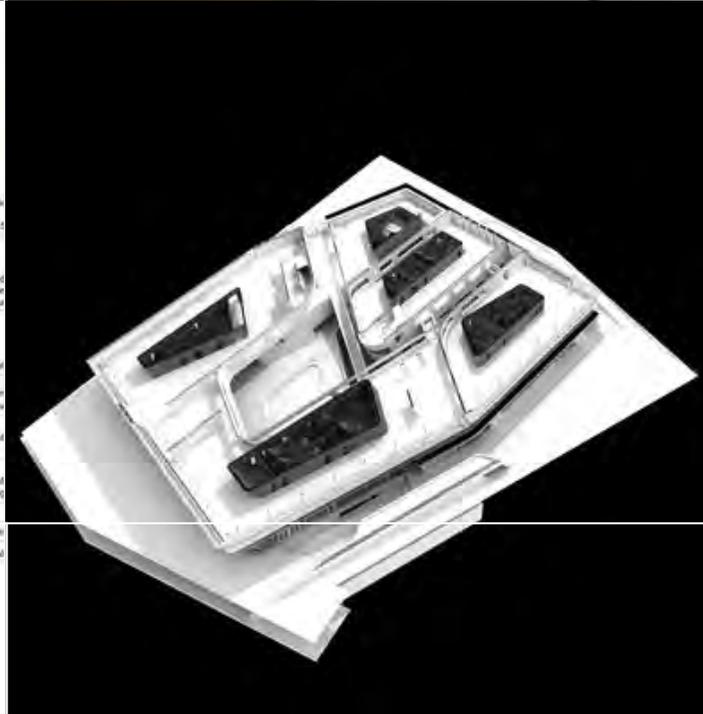
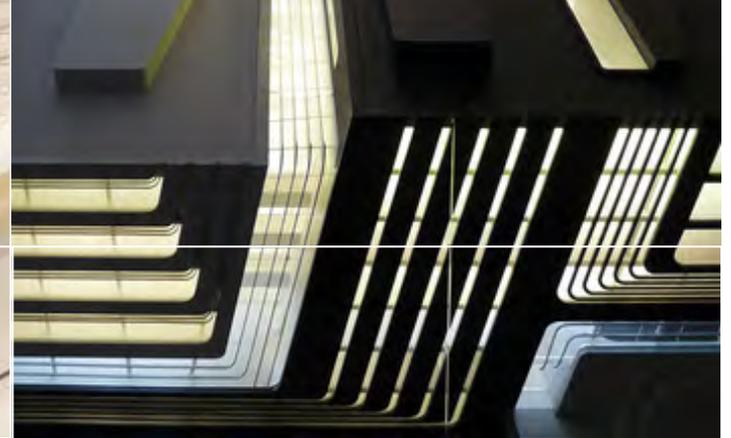


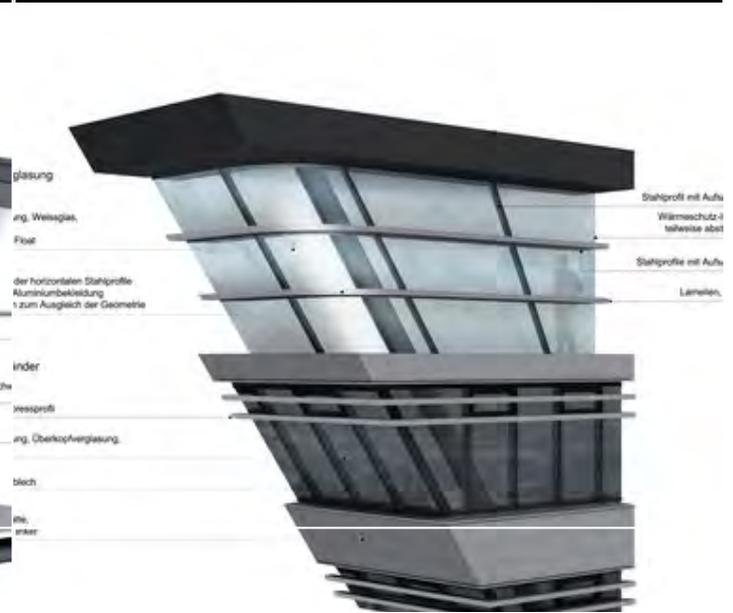
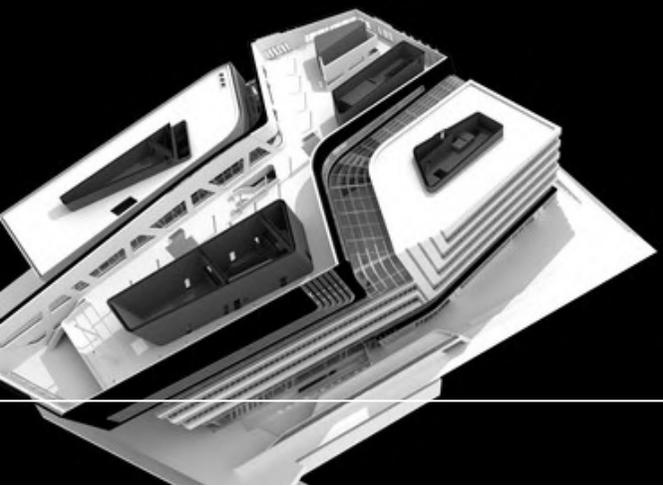
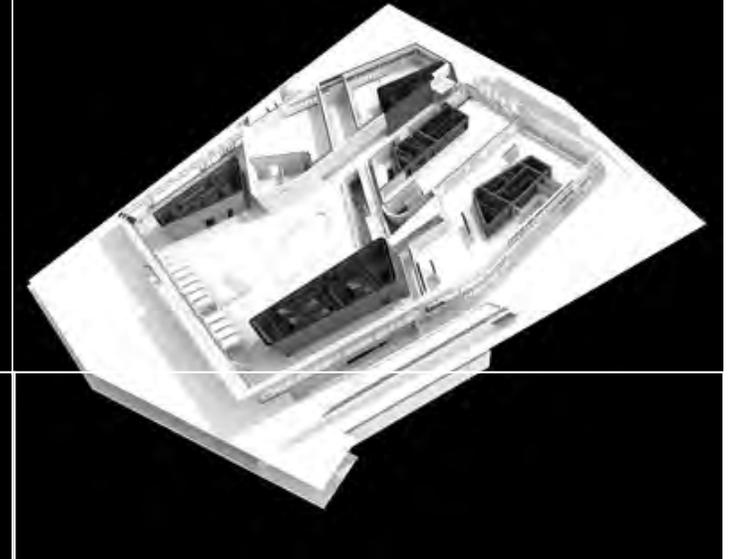
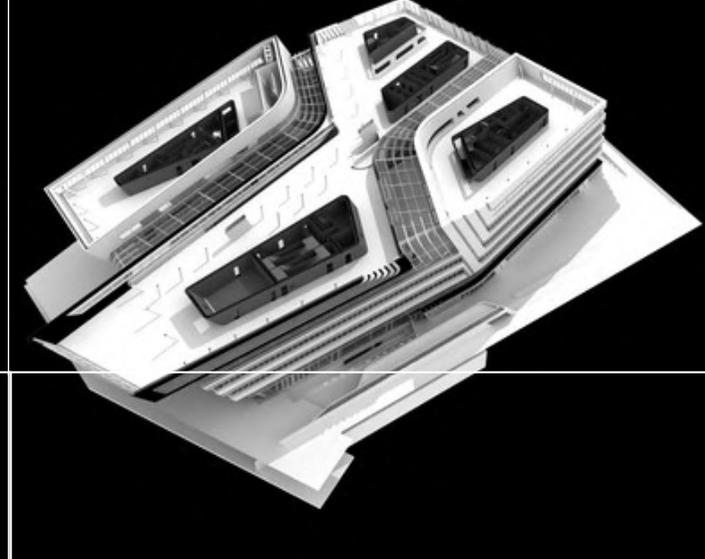
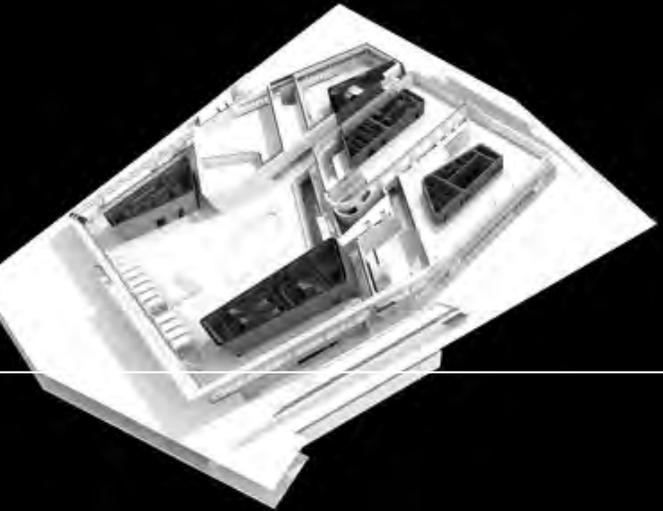
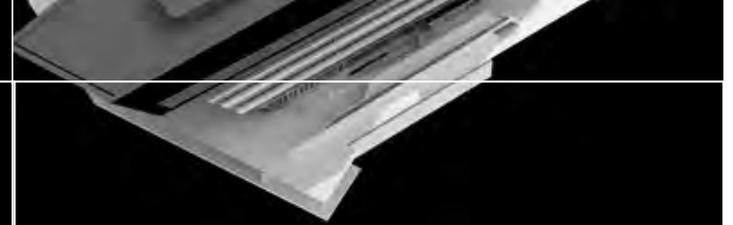
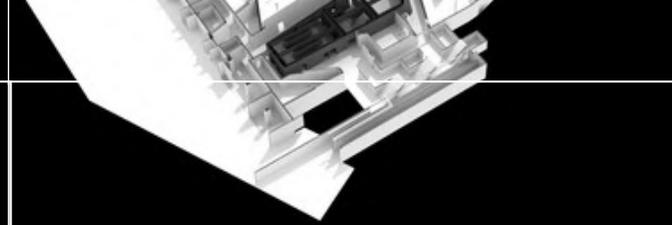












Stange

15

Struktur

15 bis 20°

glasung

ang. Weisglas

Floor

der horizontalen Stahlprofile
Aluminiumbekleidung
zum Ausgleich der Geometrie

inder

geschw

weissprofil

ang. Oberkorpverglasung

blech

blech

blech

Stahlprofil mit Aufs

Wärmeschutz-f

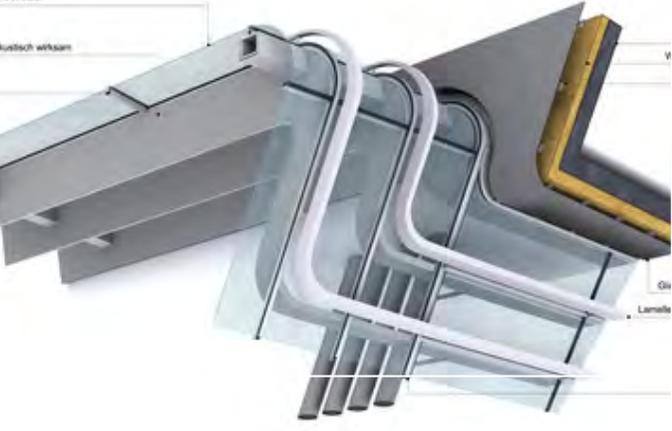
weise abset

Stahlprofil mit Aufs

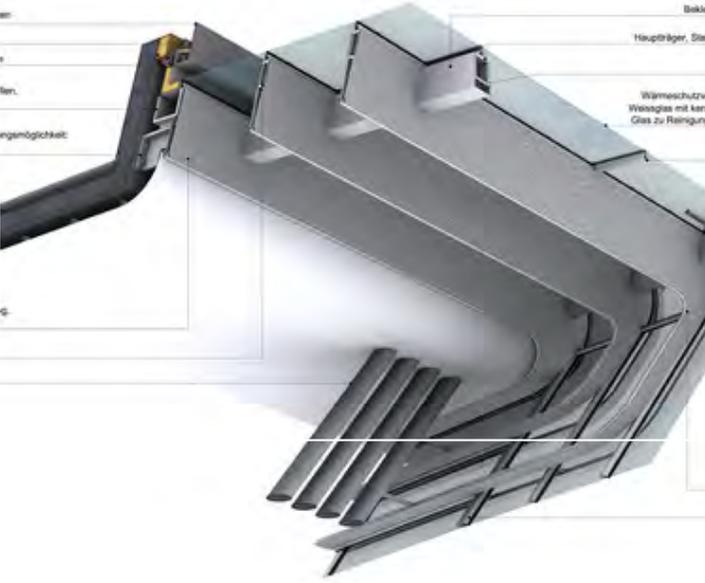
Lamellen

glasung
(ca. 40%)
betreibbar

akustisch wirksam



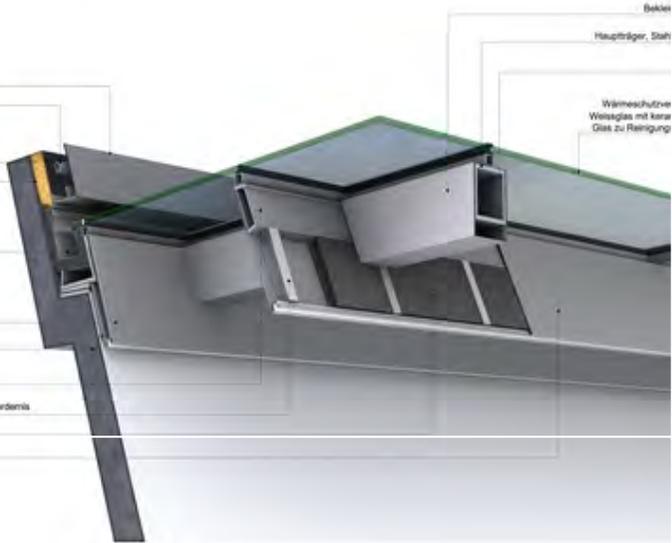
Beleuchtung
Hauptträger, Stahl
Wärmeschutze
Wasserglas mit keram.
Glass zu Reinigung
Lamelle



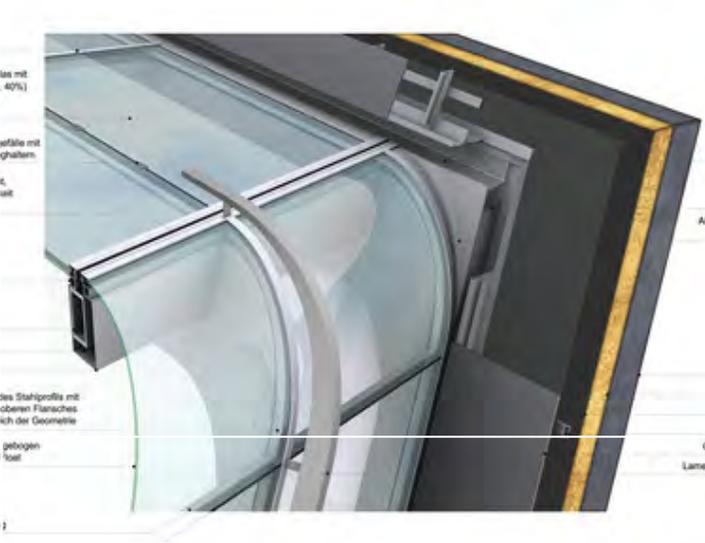
Beleuchtung
Hauptträger, Stahl
Wärmeschutze
Wasserglas mit keram.
Glass zu Reinigung
Lamelle



Beleuchtung
Hauptträger, Stahl
Wärmeschutze
Wasserglas mit keram.
Glass zu Reinigung
Lamelle



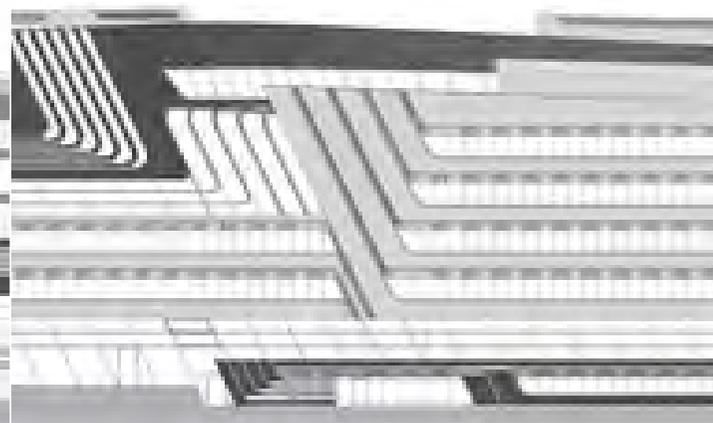
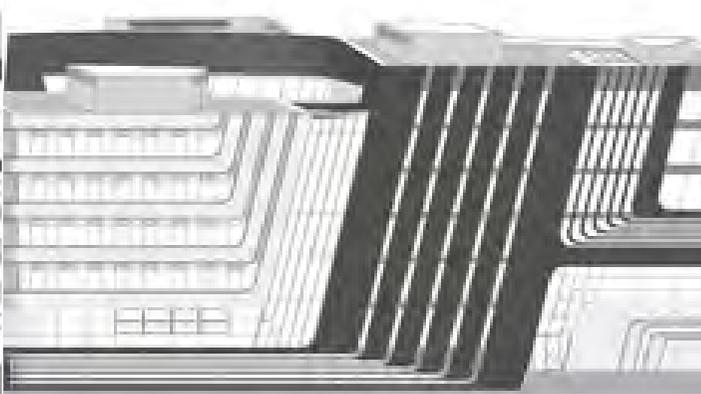
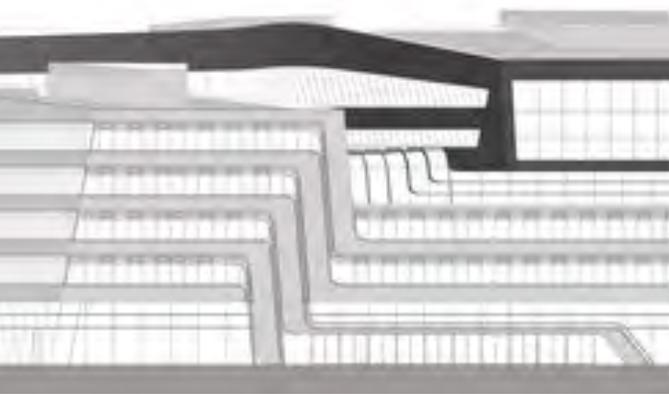
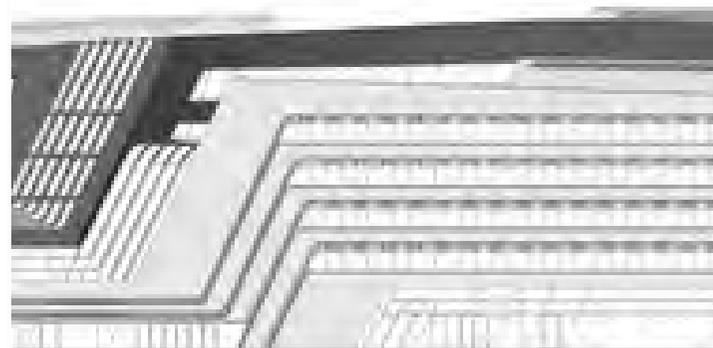
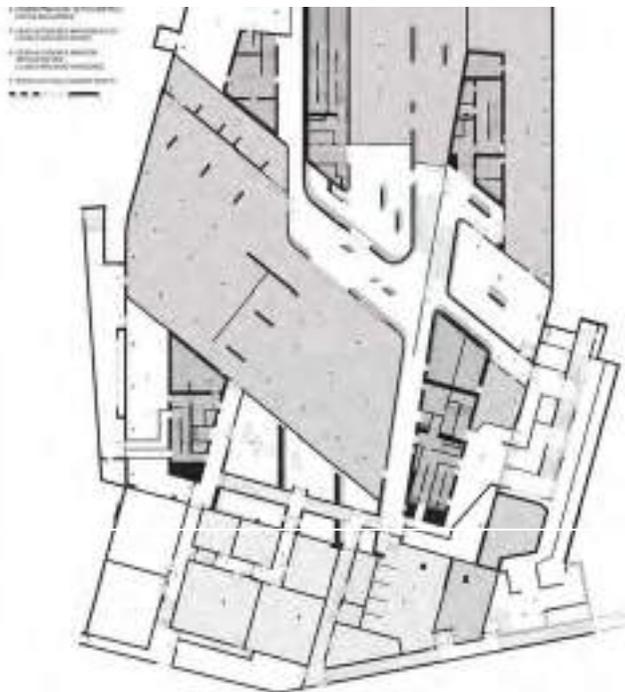
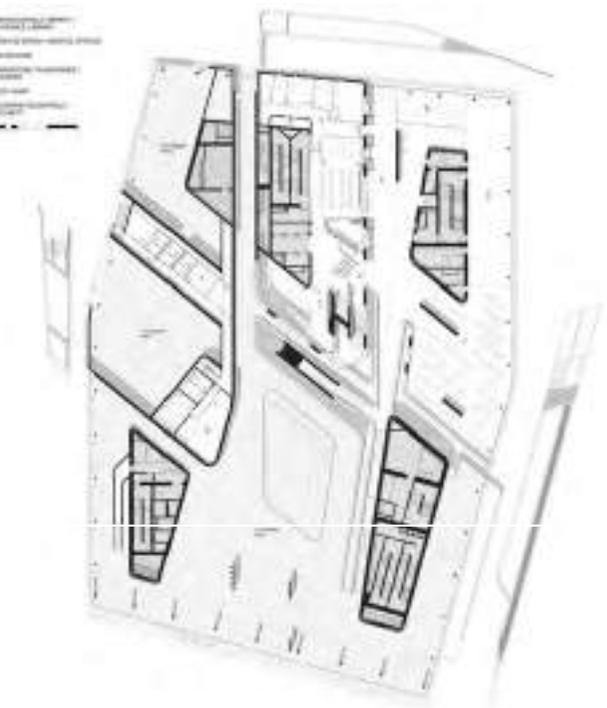
Beleuchtung
Hauptträger, Stahl
Wärmeschutze
Wasserglas mit keram.
Glass zu Reinigung

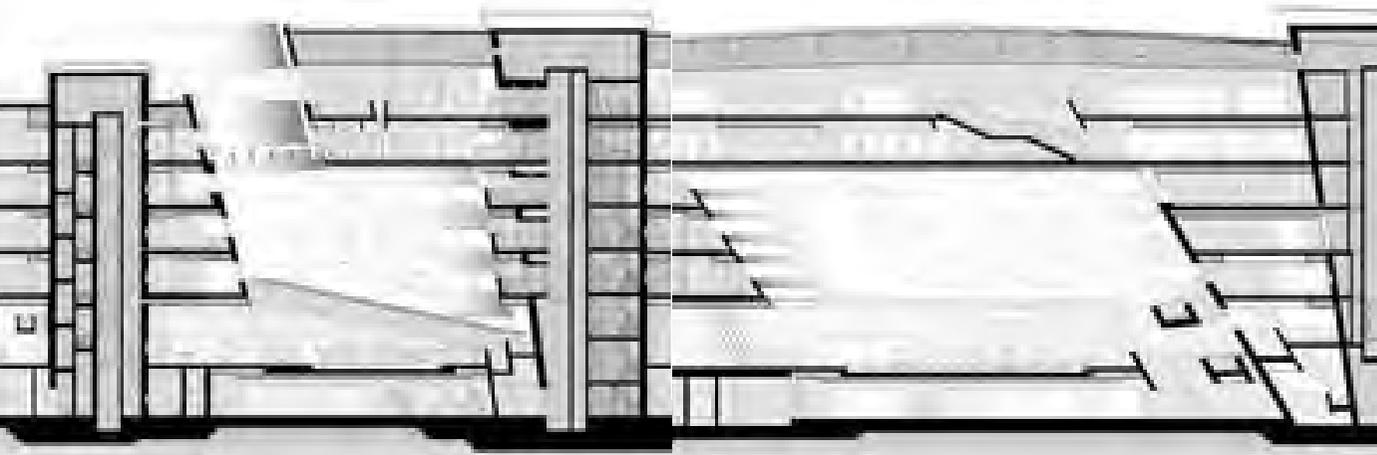


Beleuchtung
Hauptträger, Stahl
Wärmeschutze
Wasserglas mit keram.
Glass zu Reinigung
Lamelle



Beleuchtung
Hauptträger, Stahl
Wärmeschutze
Wasserglas mit keram.
Glass zu Reinigung
Lamelle







Location to be used only as a reference. It could indicate city/country but not exact address.

National Technical Library in Prague / Projektil Architekti



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LIBRARY • PRAGUE, CZECH REPUBLIC

 Architects: Projektil Architekti: Projektil architekti / Roman Brychta, Adam Halíř, Ondřej Hofmeister, Petr Lešek

 Area : 11740 m²

 Year : 2009

 Manufacturers : FAPRESA, Langle Glas, Polycon

Text description provided by the architects. The idea of the new technical library is quite old and started in the 90's. The architectural competition took place in 2000. The investor is the ministry of education on behalf of the State technical library. Our design got 1st prize among approximately 50 proposals. There wasn't any second prize and, instead there were three third prizes. Afterwards, there was a time gap till the year 2004 in which the ministry of education chose to sponsor another competition to decide who would continue in the building design. After the plans were finished in 2006 the developer Sekyra Group was chosen to construct in a PPP like program. The real building contractor was then the partnership Metrostav - OHLŽS. Building construction started in the year 2006 and was finished in January 2009. Currently books are being moved in.



There are more sources of the architectural concept of the building. Firstly there is a spatial context influence which involves the historical urbanistic plans for the whole area as well as its present significance. Secondly the concept is our answer to the idea of the institution and especially to the role of the library in today's society. That is why on the groundfloor there is a minimum of the library itself unlike all the complementary services such as the cafeteria, exhibition hall and congress hall. Next the chosen shape and material should resolve one of crucial question of how to be modern and monumental at the same time. And, what is important, the building from the very beginning was formed to be energy saving one and the shape show it

clearly. Part of the concept is as well the use of the area around the building - social space on the west and a green park on the east. Finally, the building was designed to include the interior and the graphic design following the concept "the technological schoolbook", so a lot of things (for example installations) are knowingly shown for better understanding how the building was designed and functions.



The building has three underground and six aboveground floors.

Underground there is book storage, technology, supply and a parking lot.

On the ground floor and the second floor there is the main entry to the library and all complementary facilities - conference hall, exhibition hall, cafeteria, bookshop and cloak room. All of them are around the entry hall which is the main place for meeting people not just from the library but from the whole university campus. That is the reason why the building has not one but four entrances to all sides. The idea was to give to the campus, not just a library, but a needed public place as well; where all the students could meet together. The entry hall doubles as a square for bad weather days (in summer the

campus is empty). Additionally, there is a night study room on the ground floor so the building can provide the 24 hour service without needing to open all the building during the night. In the middle of the ground floor is the entrance to the library and first info desk. The visitors then follow up to the second floor and the atrium hall with the main desk. The atrium is naturally lit through the skylight and it is the main space of the whole building. Then the library floors follow from third to sixth. The setup is similar. On the north side of the floor there is the administration section. In the public part there are the study places and study rooms of different sizes next to the façade, followed by book shelves in the darker part of the floor and finally an info desk and other study places around the atrium with natural light. This plot mirrors not just the natural light level in different parts but also helps to distribute the warm gain from the sun and to differentiate acoustic demands. For administration the open space-system is used. Each floor is a little different but the main orientation points remain. More differences are found in the last floor where two open atriums give the chance to read under the sky, and is also where individual study rooms for rent are located.



In construction of the building many interesting technological solutions were used. Some of them help the flexibility, the others help save on energy demands.

The construction itself used columns in a 15 meter grid with, in both directions, pre-stress concrete slabs. The statics deflation diagram for floorslabs pre-stressing was used for designing the floor, so you can imagine how the strength in the construction goes.

The concrete core activation system is used for the heating and cooling. There are plastic pipes directly in construction slabs with a medium whose temperature is changing according to demands during the year. This system perfectly suits the open space of the library. In addition, there is an easy system for pre-cooling the building during summer nights just by natural ventilation via opening windows.



The main façade is divided into glass and blind parts on the surface in a ratio near to 50/50% in order to optimize the amount of heat energy.

Recuperation of air and sun blinds are standard solutions, here thanks to an external double façade, wherein the sun blinds are sheltered from the wind.

For the surface of the ground floor an asphalt-based floor covering material (bitu-terrazzo) was used. It significantly reduces noise levels in the building.



The fire prevention system is an automatic water mist-spraying fire extinguishing system which is more property/asset-protective, plus it does not require a large-capacity storage vessel.

The roof is covered with extensive green to create the fifth façade of the building for views from surrounding higher buildings. It also slows down draining in case of heavy rain.



The interior is very open and friendly to express the openness and friendliness of the contemporary institution. The main elements are the power-colored floor and the orientation of all lighting which point to the very middle point of the building. In every room you are sure about your position. Some furniture was developed especially for the library to give visitors a free-minded feeling. They are movable so the students can build their own constellations from them. The main principle of interior design is about collaboration and reciprocal influence.

The important parts of the interior are the graphic design, which follows the technical schoolbook concept, and the art. We invited an art curator with the group PAS (production of contemporary activities) to prepare an art scheme for whole building. From the big scheme only the central artwork remains because of the lack of money. There was an international competition for this job and the famous artist Dan Perjovschi won. So now you can see an elaboration of his ideas from MoMa in New York.



The National Technical Library will be ceremonially opened on September 9(th), 2009. Library users will have access to over 1,200 seats in study areas and 300 seats in relaxation areas. It is estimated that the library stores about 1.2 million volumes. There will also be an exhibition hall, a conference hall with 200 seats, a cafe with 150 seats, WiFi internet access throughout the building, parking for 300 cars and stands for 200 bicycles. It is expected that the new library will draw up to 900,000 visitors every year.



Recommended Products



LAMILUX
Flat Roof Access Hatch Comfort Duo

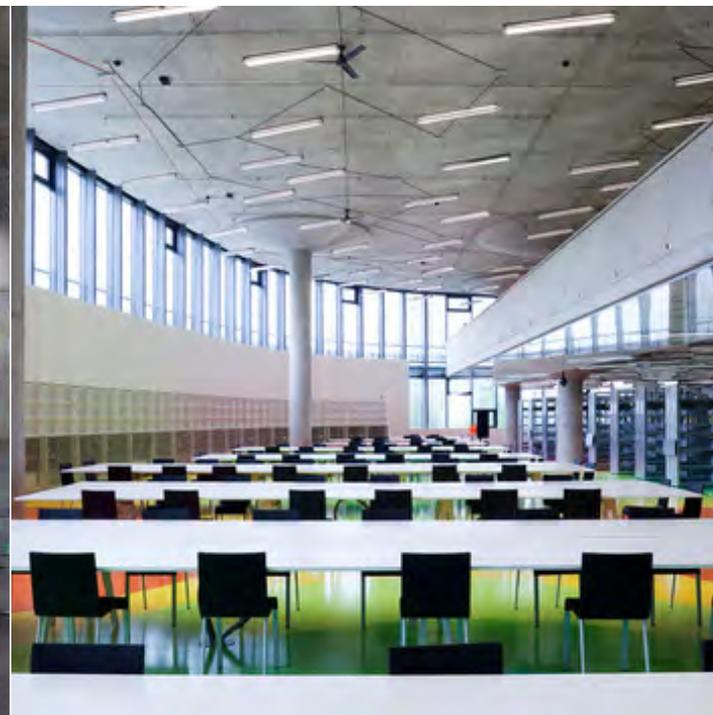


Rodeca
Round Facade at Omnisport Arena Apeldoorn

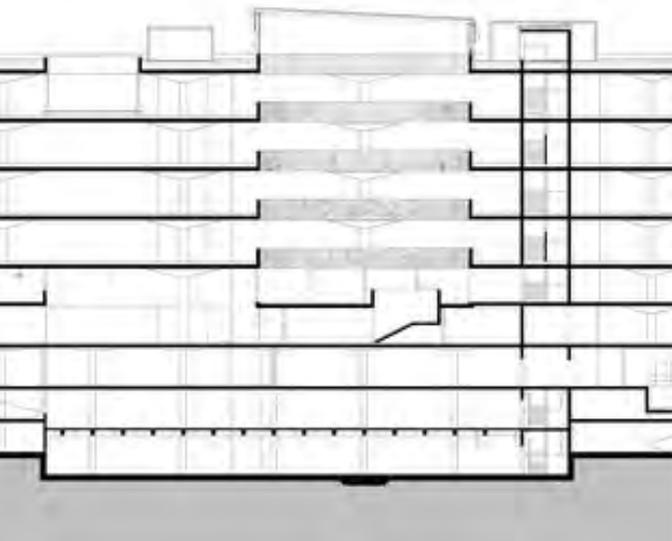


Danpal

Project gallery

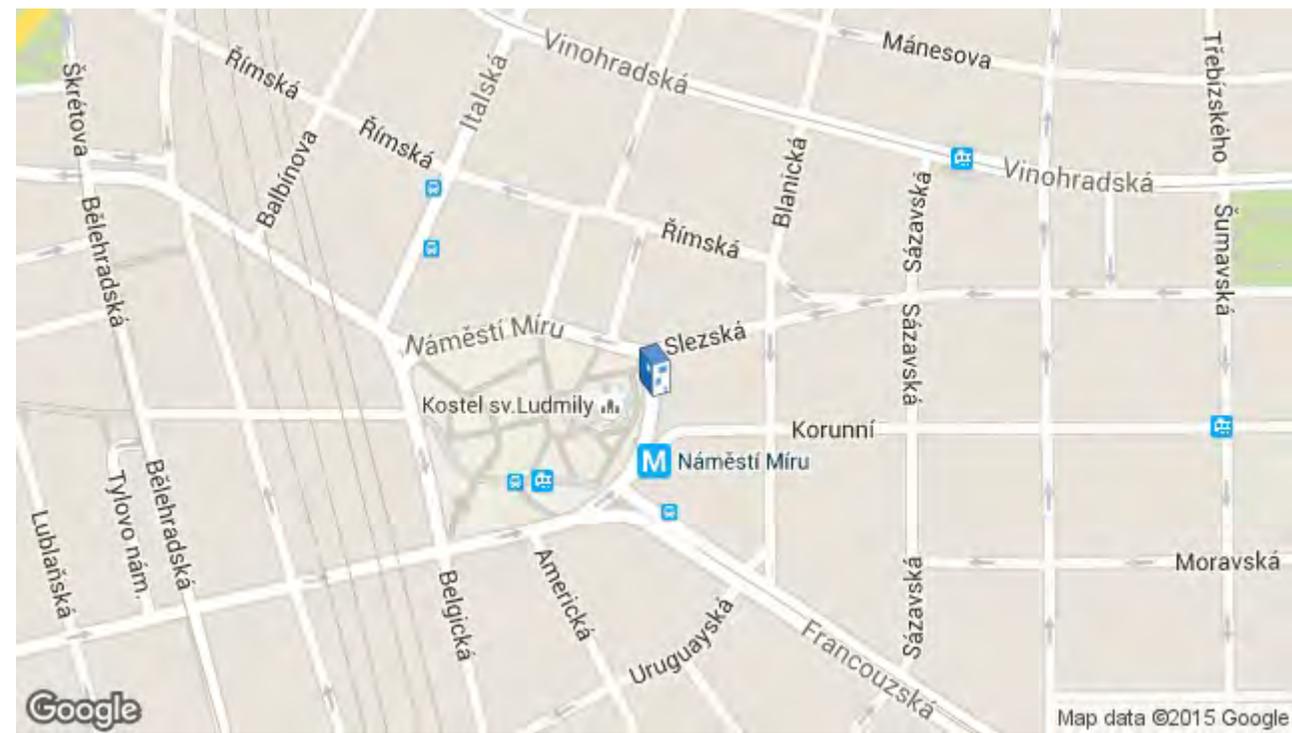






Project location

Address: Prague, Czech Republic



Location to be used only as a reference. It could indicate city/country but not exact address.

La Trobe University Library / Kosloff Architecture



Curated by **Hana Abdel**

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LIBRARY, UNIVERSITY, CULTURAL INTERIORS • FLORA HILL, AUSTRALIA

 Architects: Kosloff Architecture

 Area : 3150 m²

 Year : 2021

 Photographs : Derek Swalwell

Client : La Trobe University

City : Flora Hill

Country : Australia

Did you collaborate on this project?

LESS SPECS



Text description provided by the architects. The library typology has changed tremendously over the past 5 years. We worked closely with the leadership group of the library to create an interior that supported a conceptual shift from ‘collection’ to ‘connection.’ This project fundamentally involved the reworking of an existing shell to create a new library for the community of La Trobe University, Bendigo.



Spread across three levels, the scope included an entry gallery, consultation rooms, ASK La Trobe information pods, postgraduate lounge, board room and integrated display of the seminal ‘Sandhurst’ book collection (the main book collection is elsewhere in the building). The client was keen to challenge the concept of a traditional library. We embraced the possibility of a new typology with a focus on facilitating community ‘connection’, rather than just spaces for book ‘collection.’



Working within an existing shell is always highly challenging. The project budget was extremely constrained for a fitout of this nature and scale, and a clear hierarchy of investment needed to be established in order to deliver the functional aspects of the project without detracting from the overall concept. Rather than seeing this as a problem, we chose to see this as an opportunity to leave parts of the interior undefined and full of possibility, suggestive of a future imbued with optimism.



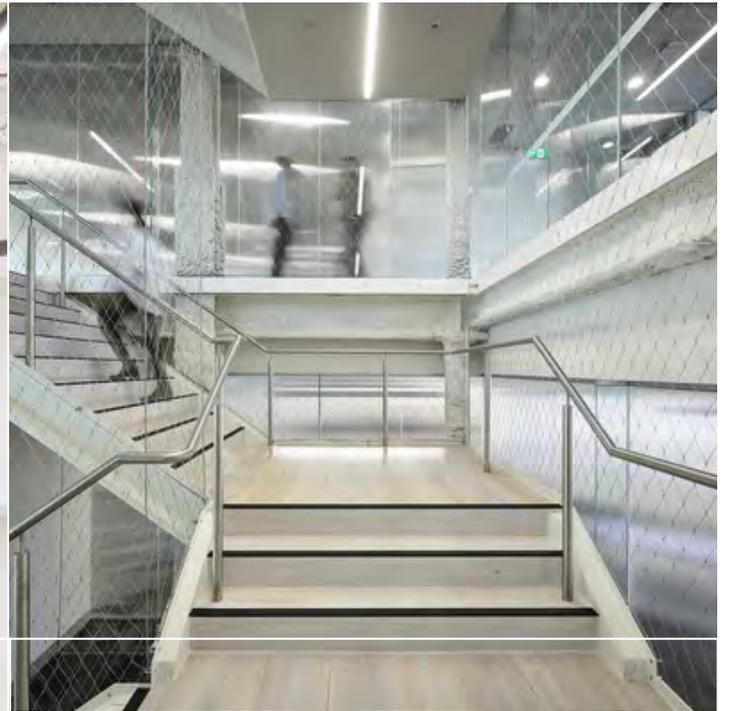


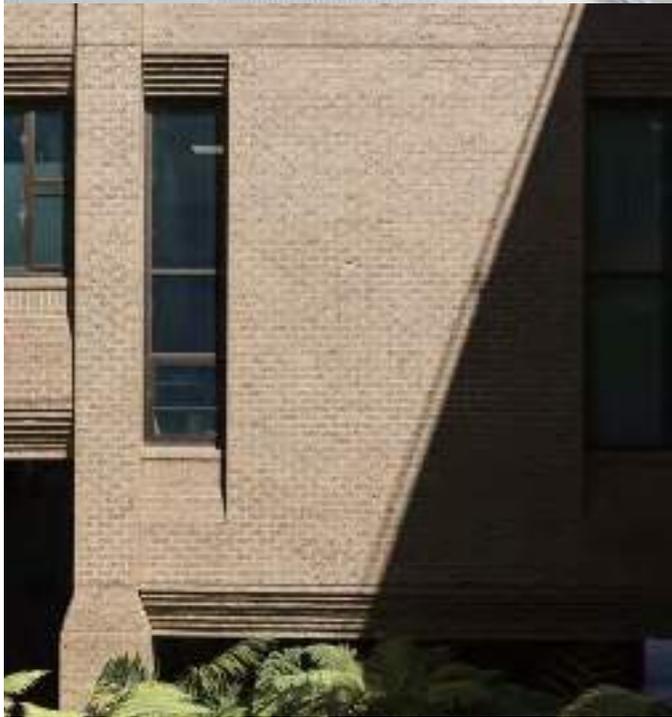
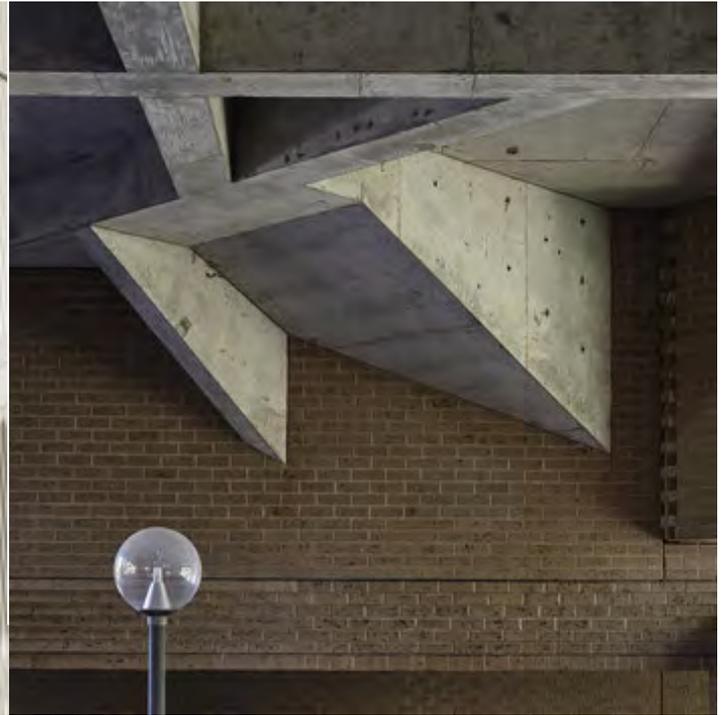
Our aesthetic approach was to leave key elements such as the existing ceiling infrastructure and vermiculite coated steel structure untouched and unadorned. The new architectural interventions were treated as installations clearly distinguishable from the shell, with autonomous objects separated from the ceiling and floating from the floor. Cascading pods adorn the grand stair from the main entry, formed by semitransparent, glass structures that house the

secured book collection. Their blurred spines contribute the only colours of the space, reimagining them as artefacts surrounding the central stair that links the levels. Arrangements of clear, mirrored, and reeded glass create a kaleidoscope of reflection and transparency throughout all levels, blurring the figures of occupants as they make their way up through the interior. It felt fitting to us that a newly defined library space might literally be a reflection of itself.



Project gallery





Recommended Products



VEKA

VEKA Windows in VEKA Welcome Center



Flexbrick

Ceramic Textiles for Facades



dormakaba

Entrance Doors - Revolving Door 4000 Series

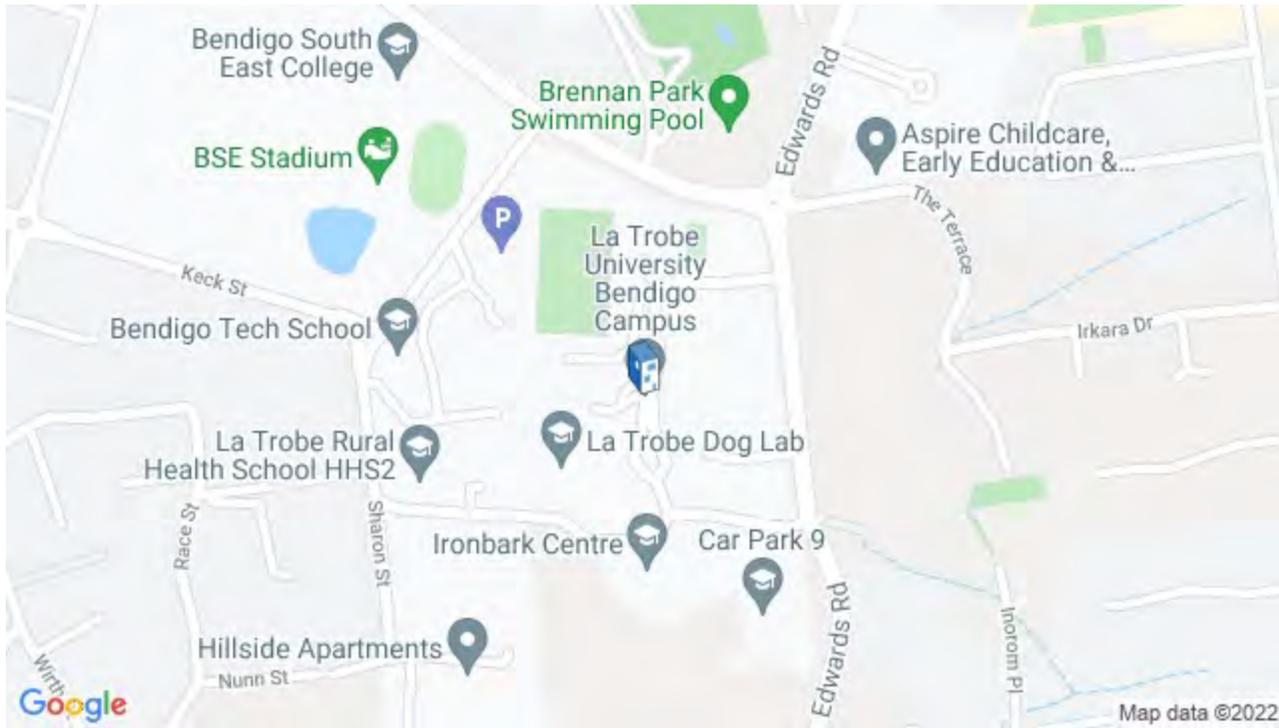


Vitrocsa

Minimalist Window - Sliding

Project location

Address: 199, Edwards Rd, Flora Hill VIC 3552, Australia



Location to be used only as a reference. It could indicate city/country but not exact address.



About this office



Kosloff Architecture

Office



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LIBRARY, EDUCATIONAL ARCHITECTURE • RUZOMBEROK, SLOVAKIA

 Architects: a02 Atelier

 Area : 2066 m²

 Year : 2013

 Photographs : Vladimir Yurkovic

 Architectural Design : Ing. Arch. Stanislav Šutvaj, A02 Ateliér, Dolný Kubín Ing. Ján Potoma, A-Projekt, Ružomberok

General Contractor : Spol. S.R.O., Swietelsky AG

Collaborator : Mgr. Art. Matúš Bišťaň

General Designer : A-PROJECT, Ružomberok

Senior Project Engineer : Ján Potoma, Stanislav Šutvaj

City : Ruzomberok

Country : Slovakia

Did you collaborate on this project?

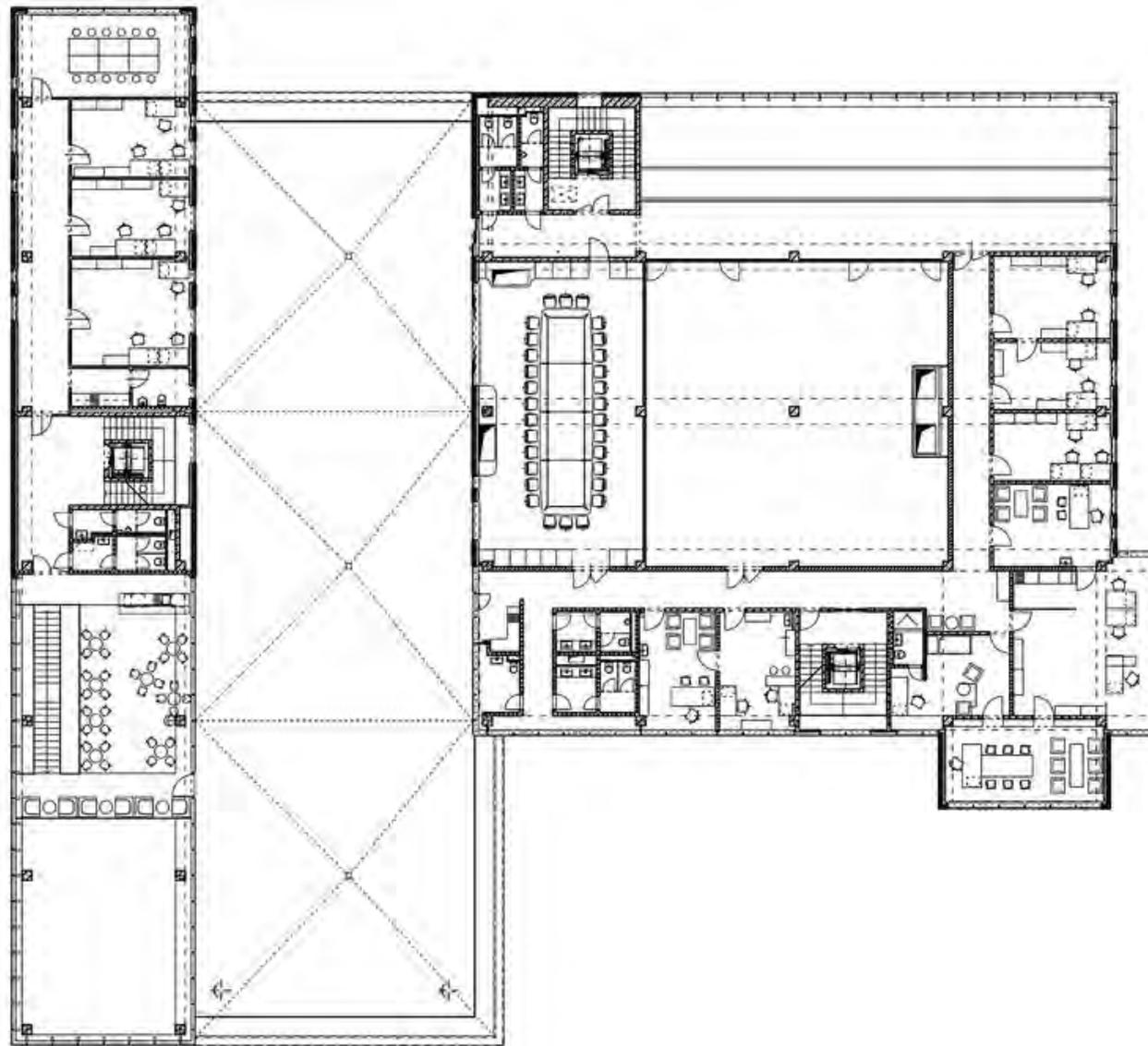
LESS SPECS



Text description provided by the architects. The idea of the future sprawl of the Catholic University premises in Ružomberok was already outlined in an architectural and urban design competition for a university campus in 2006. The project of a new library was prepared in 2009 – 2010 and the construction itself started in July 2011. The library building is part, respectively the first phase of the university campus design. Residence halls, superstructures of the Faculty of Arts and Letters and the Faculty of Education buildings, the Faculty of Law building, a chapel, new auditorium, concert hall and underground parking should be completed in the future steps following the complete spatial development study.



The building offers students and the public an access to about 700,000 volumes, approximately 500 study areas, conference and exhibition spaces and other additional facilities on an area of approximately 5 000 m² designated for public functions. Due to the requirements for the library to be a modern tool of time providing information and a wide range of education or cultural and social life, the space is designed to be open and multifunctional with several ways of resource search and studies, offering secondary opportunities (e.g. lectures, training, publishing, literary and artistic club activities, multimedia activities, cultural and social events).



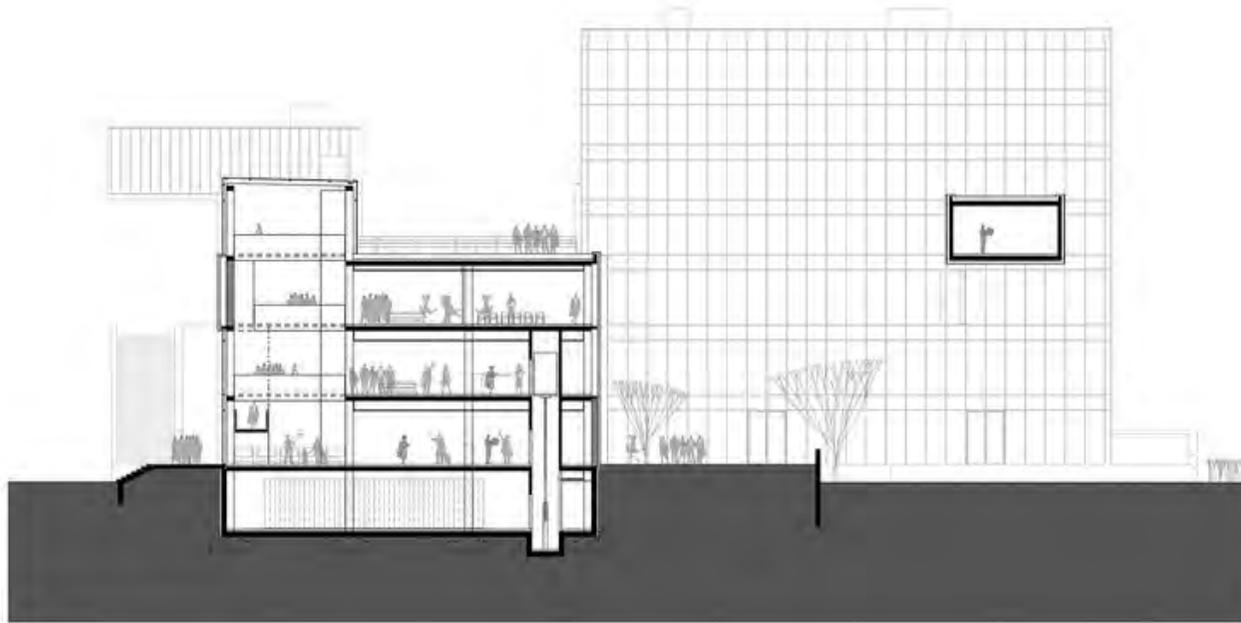
From an architectural point of view, the library is interconnected to the existing (or the anticipated) volume and operational campus structure whose basis is formed by the original structure by architect Škorupa. The operation of publicly accessible spaces of the library is divided into three above ground floors and one underground floor (including the part of the fourth above ground floor with clubs, cultural and social spaces).



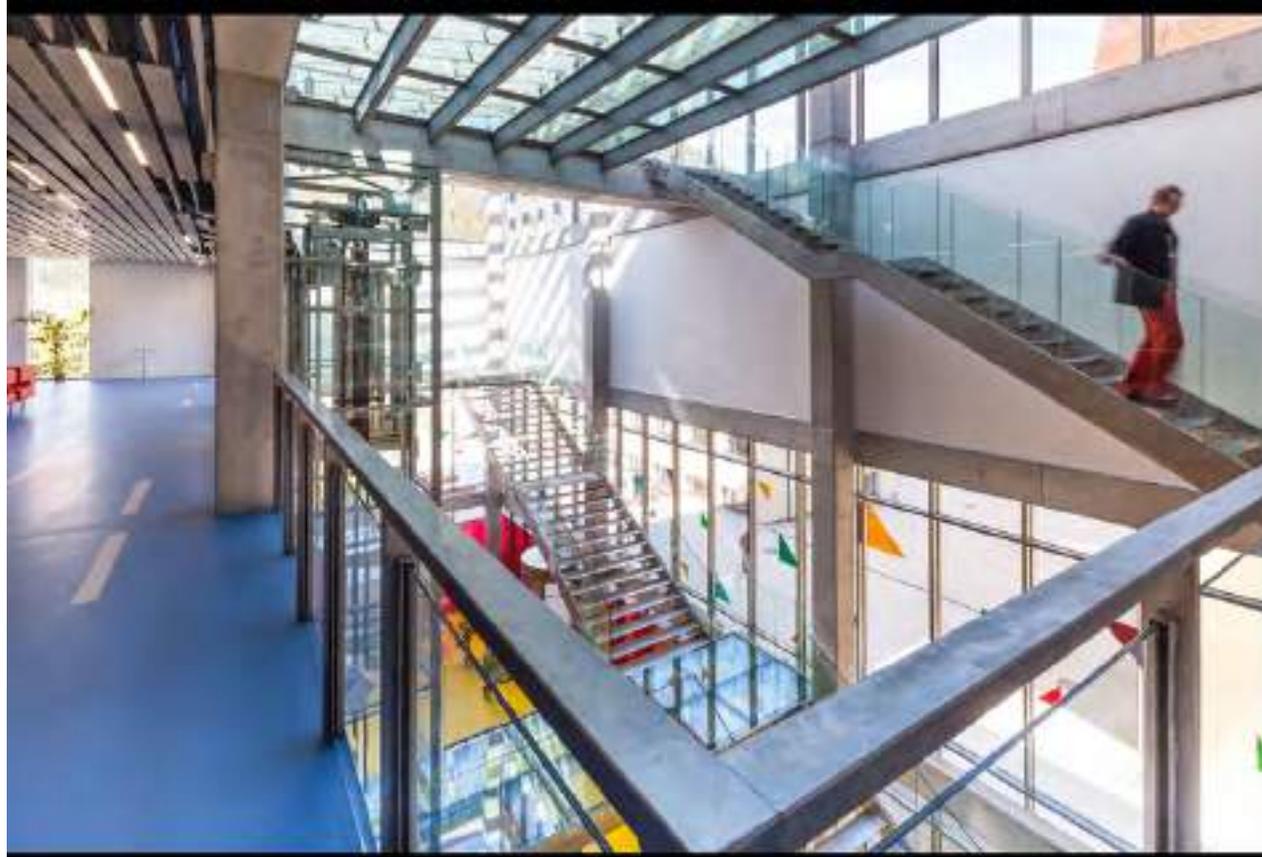
The ground floor consists of entrance spaces, information and control zone (registration, circulation desk), library's spaces - catalogues, quick choice sections (textbooks, magazines, internet, freely accessible library stock, study areas and working points). There are open mezzanine levels extending from the library's entrance area through all public floors, being the vertical center of communication.



The second and third above ground floors contain sections of freely accessible library stocks, study areas (including a quiet study room and offices for smaller groups), conference and multimedia rooms.



The fourth above ground floor has a specific nature that enables the visitors to view the library as a multifunction hub offering club activities (literary, artistic or a mix of artistic genres), cultural and social activities (presentations of literature and art works, exhibitions, openings, space for discussion forums, multimedia presentations, etc.). This includes the use of the roof space on the 3rd elevated floor as an open space for exhibitions or assembling. This space is also interconnected with a small coffee lounge at the entrance of the library.



The building has been implemented as a monolithic reinforced skeleton. The facade is of vertically structured, metallic Alucobond panels with inserted aluminum windows, supporting the used raster. The building parts are complemented with a whole glazed facade (the administrative part of the building, the entrance area of the library, part of the study areas).



Recommended Products



Kebony
Flexbrick
Cladding - Shiplap Boards - Kebony Clear RAP
Ceramic Textiles for Facades

LAMILUX
Flat Roof Access Hatch Comfort Duo

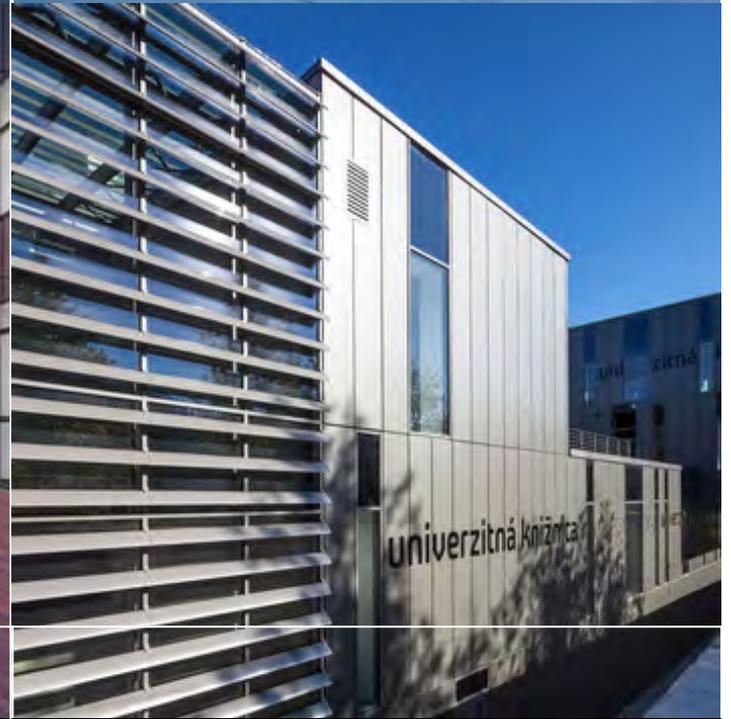
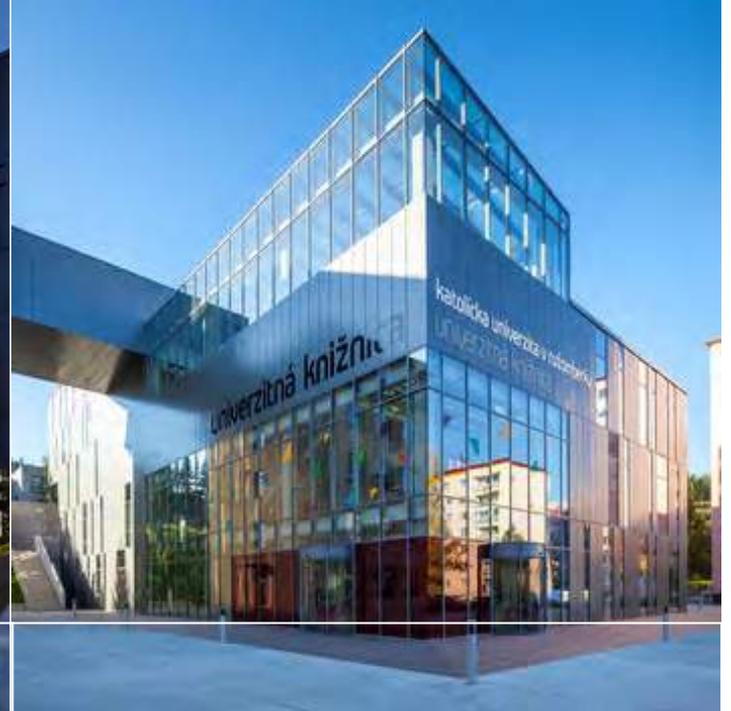


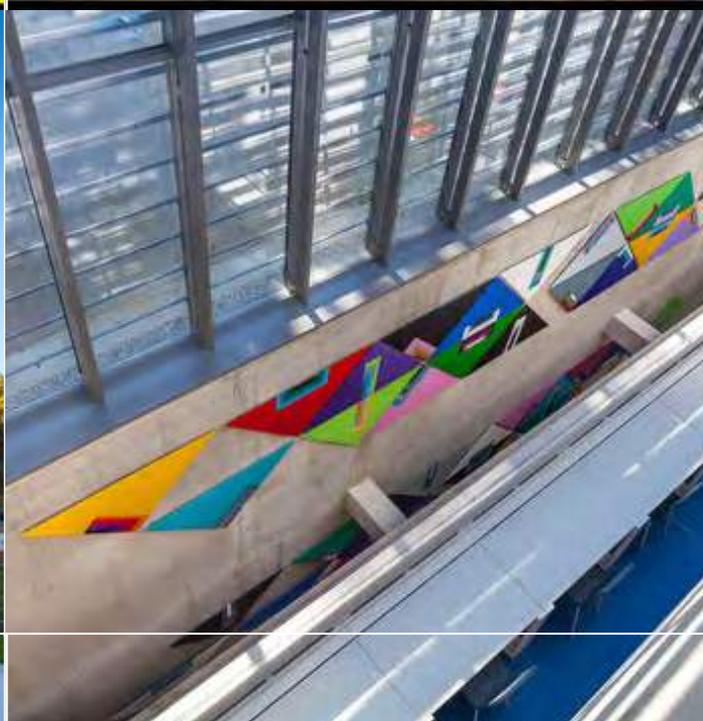
EGGER
Laminates

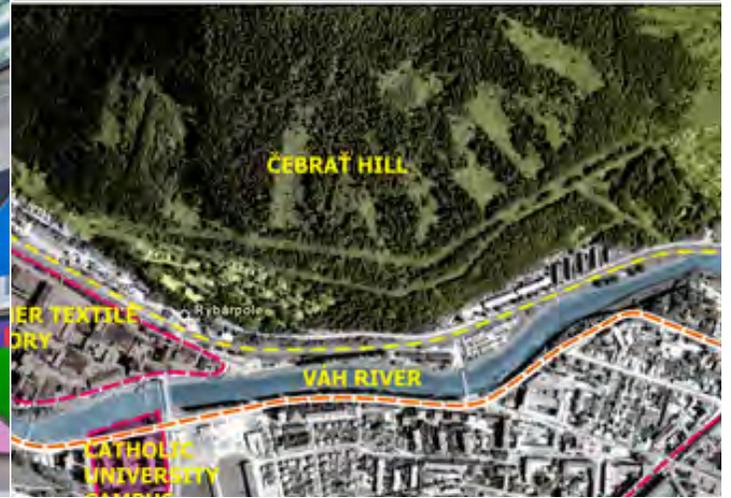
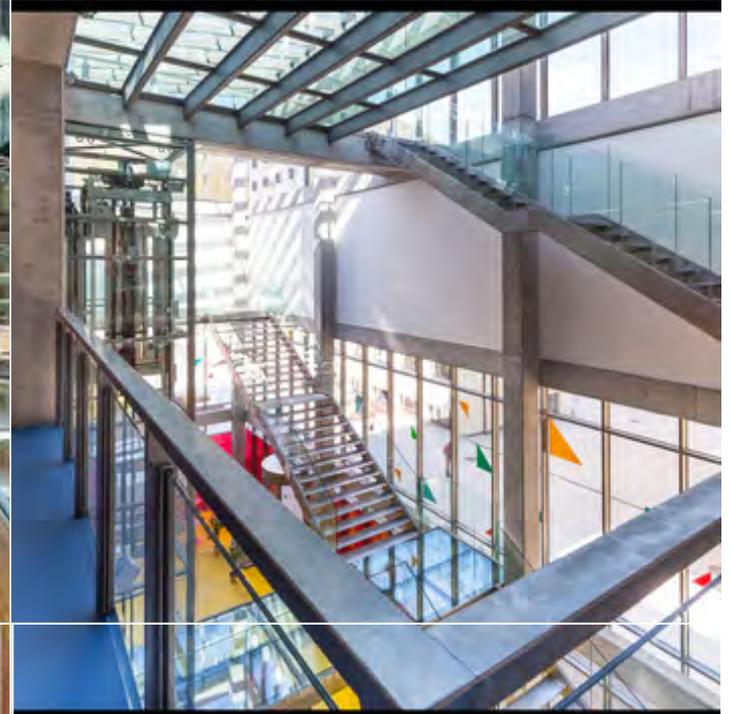


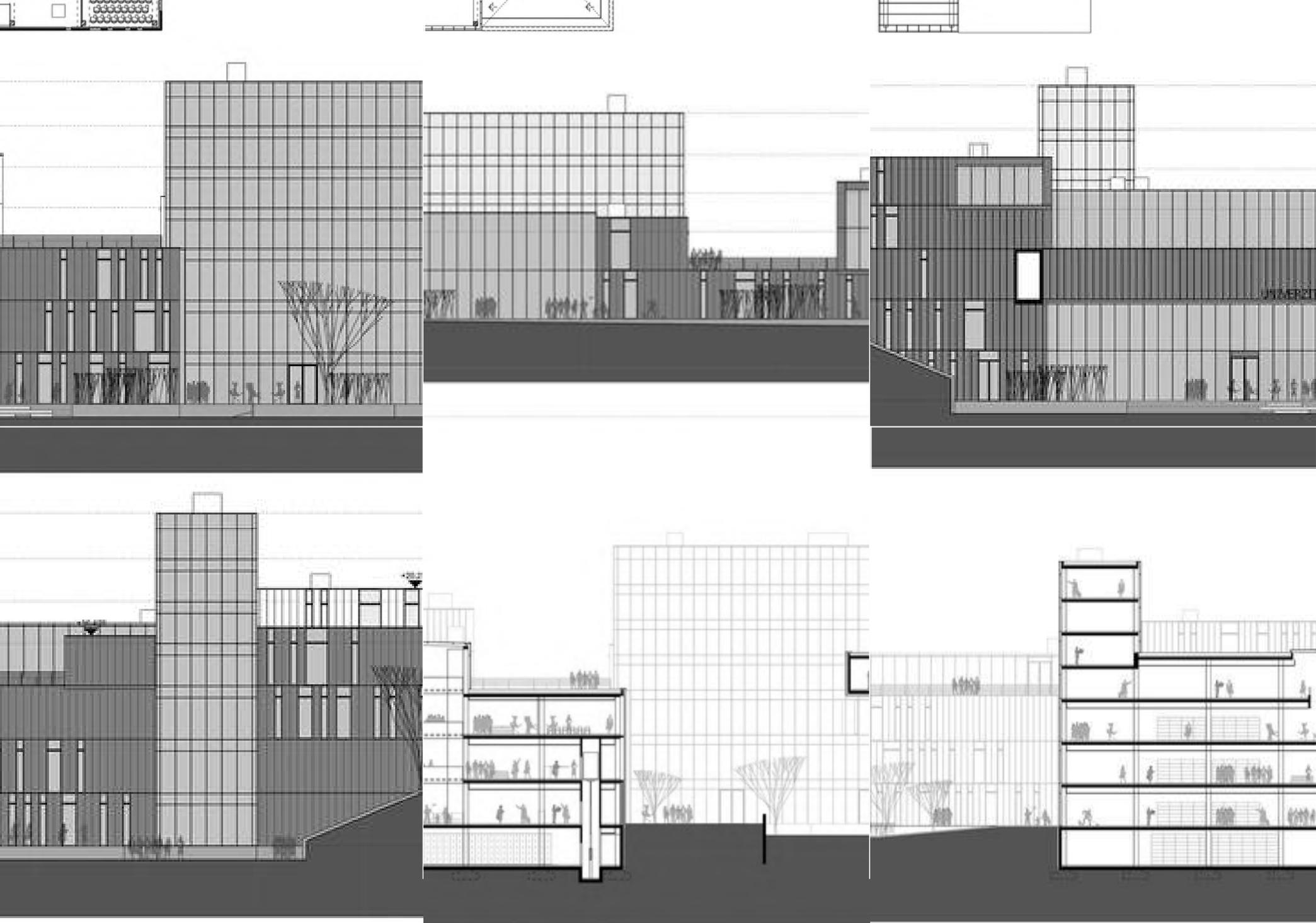
Grespania
Porcelain Tiles - 20MM

Project gallery









Address: Fakulta riadenia a informatiky Žilinskej univerzity v Ružomberku, Katolícka univerzita v Ružomberku, Hrabovská cesta, 034 01 Ružomberok-



Location to be used only as a reference. It could indicate city/country but not exact address.

New University Library in Cayenne / Rh+ Architecture



[Share](#)

LIBRARY, UNIVERSITY • CAYENNE, FRENCH GUIANA

 Architects: Rh+ Architecture

 Area : 2143 m²

 Year : 2013

 Photographs : Jean-Michel André, Jonathan Cacchia



Text description provided by the architects. A coordinating facility, open to the University: The building of the University Library, located at the heart of the Guyanese University Campus has to be a driving force within the University and contribute to its regional radiance. It is a structuring facility for all the buildings that constitute the Guyanese University Campus : its vocation is to gather books and readers in a unique place dedicated to knowledge, an open and generous place within the University. It is about providing a cultural and documentary service of quality and also materialise the image of the regional community, therefore one of the main issues is to give to the building of the University Library a physical, social and symbolic identity that will impact the one of the neighbourhood and of the city.



Our aim is to give to this unique building for its program and its central position, a proper architecture – identifiable by its volumetry and its uses – combined to an opening upon the whole University.



IN Praise OF SHADOWS

A gallery around the building and at the heart of the University: The main architectural choice is the creation of an open peripheral space : unlike a construction cast in one piece with no dialogue with the surrounding, the building is wrapped up with a peripheral space of variable dimensions called “gallery” or peristyle. This gallery is an open space, a place where the students meet and pass through, an extra room between inside and outside, sheltered from sun and rain.



Additional wealth, the peristyle forms a place to exchange, a public space taken over – and even “the space for the public” – which connects the library to the rest of the University : the library is a place for studying that is not cut off from the rest of the world, all it takes to see the life of the University Campus is to look up when sitting at a reading table and have a look at the traffic and motions in the gallery. This one is made of a filter : a slope of wooden lace carefully placed around a concrete core.



FUNCTIONAL ORGANISATION

The library is considered as an open space, with wide reception spaces, diverse reading and research spaces and the possibility of lending books. It is also a facility that combines traditional documentation and modern technologies. The building is composed of 2 parts : one that receives the public and one reserved for administration and its technical rooms. The spaces dedicated to the public are located on the ground floor and on the mezzanine ; the ones for the administration on the ground floor and the upper level. Patios and rifts mark this dissociation and improve the lighting at the centre of the building.



Recommended Products



Rodeca
Round Facade at Omnisport Arena Apeldoorn



Flexbrick
Ceramic Textiles for Facades

Alusion
CMSK Xi'an Zhenquanfu Sales Centre - Alusion™ Stabilized Aluminum Foam

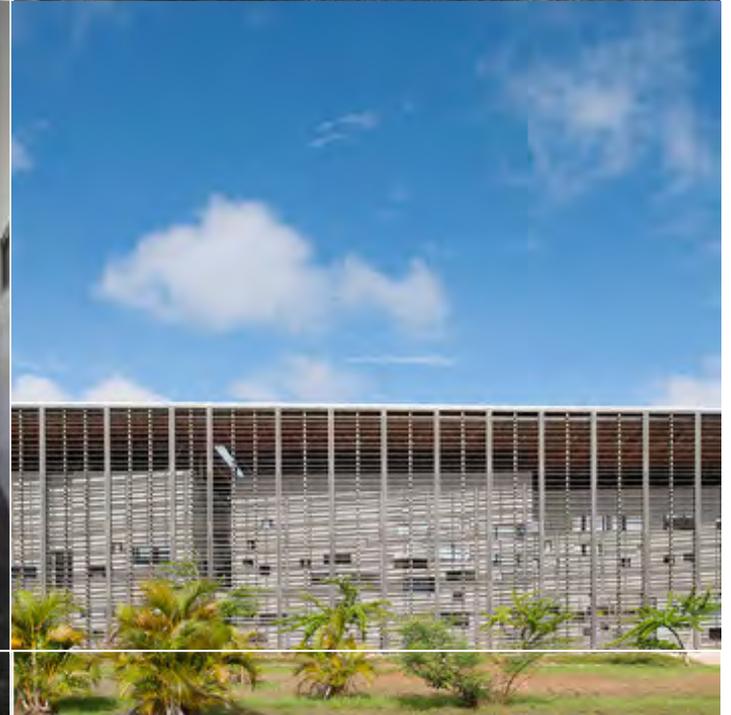
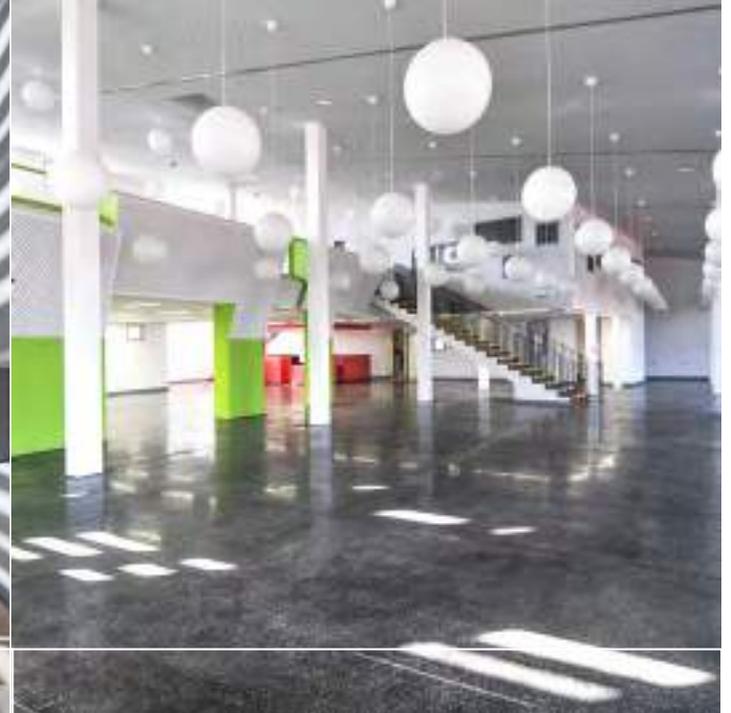


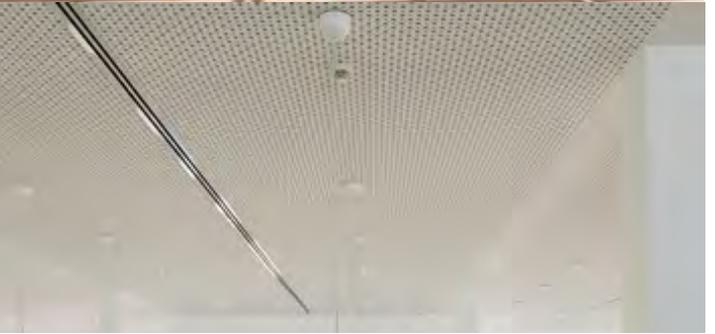
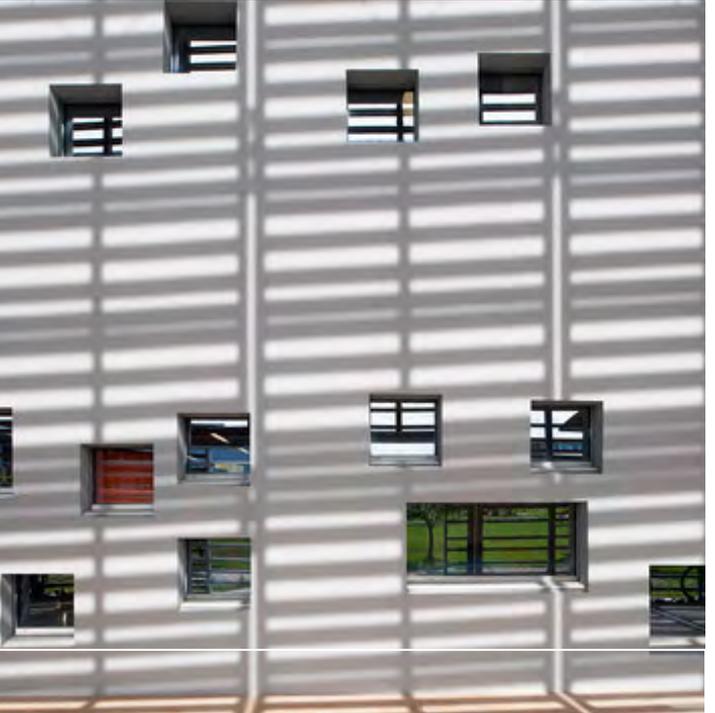
Danpal
DanpaShade Aura System - Louver System

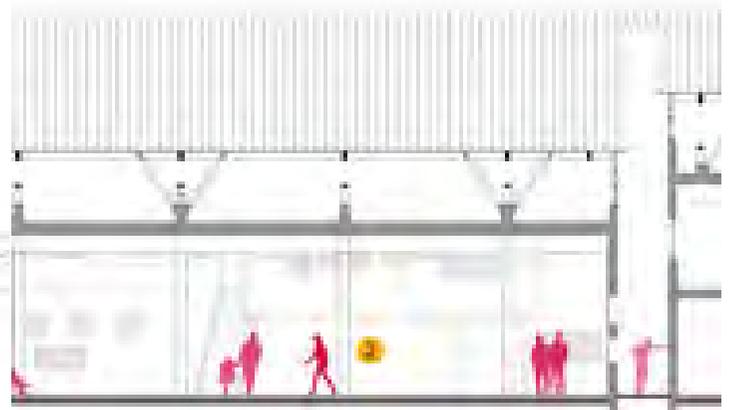
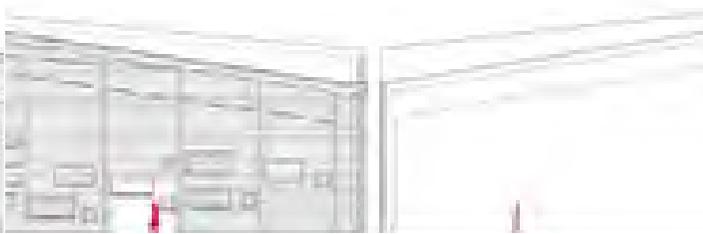
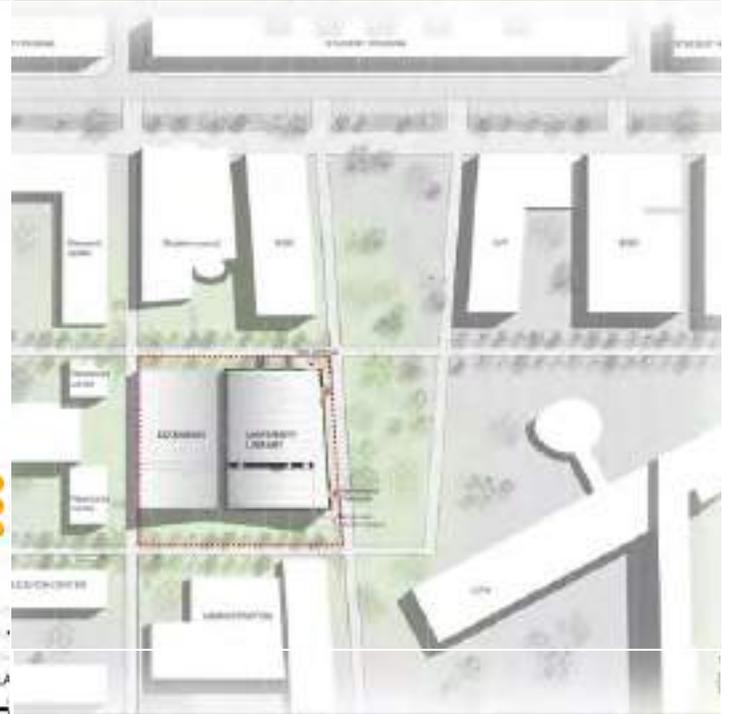
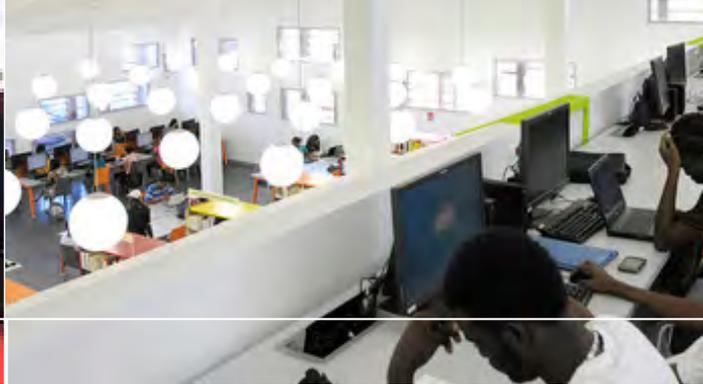


Aparici
Porcelain Tiles - Norway

Project gallery









Project location

Address: P.A.C.T de Guyane, Cayenne, French Guiana



Location to be used only as a reference. It could indicate city/country but not exact address.

Lateran University Library / King Roselli Architetti



[Share](#)

LIBRARY • ROME, ITALY

 Architects: King Roselli Architetti

 Year : 2006

Text description provided by the architects. On commissioning the project for the new library extension to the Pontifical Lateran University the chancellor Mons. Rino Fisichella was quite clear in his main objective: to bring the activity of reading and the consultation of books as the central

occupation of the university.



The new reading rooms and book stacks for free consultation are enclosed in the new extension placed closer to the heart of the university with access from the main spine of the first floor corridor. The reading rooms are now concentrated in a single volume with access to 70,000 volumes and 750 publications housed in the six floors of book stacks in a fire-protected tower. Externally, the new building is placed next to a central block of lecture

rooms of the "E" shaped plan. Although it is carefully aligned with the existing volume and clad in the same brick, the new block nevertheless assertively declares its modernity in the play of suspended volumes in light and shade.



The library's presence can be perceived from the university; through a series of viewing cones created by joining the window reveals (that once gave on to the exterior) to apertures closed with fire glass in the book stacks. It is entered from the first floor corridor of the main building down a flight of basalt stairs under the first level of the book stacks into a spacious foyer. This is where the locker room, computer indexes-laid on an articulated table, card index, professors reading room and librarians posting are set.



The library is arranged so that for every two floors of book stacks one sloping ramp, "U" shaped in plan, connects them. The book stacks are as low as possible to avoid the use of ladders to reach the highest shelves and, given the thin floor slab, are made look like a set of bookshelves themselves. They are connected vertically by a staircase set between the containing wall and an interior façade of bookshelves facing the reading ramps dedicated to publications, to form in effect a book tower. The slope of the ramps is determined by joining the regularly spaced floors of the book stacks to the irregular cuts in the façade which creates the reality (not simply the effect) of volumes floating in light.

These ramps are the reading rooms- they are levelled with mahogany platforms that accommodate the reading tables at the level changes. These are also made of mahogany block-wood and house the up-lights for ambient lighting.



Auditorium

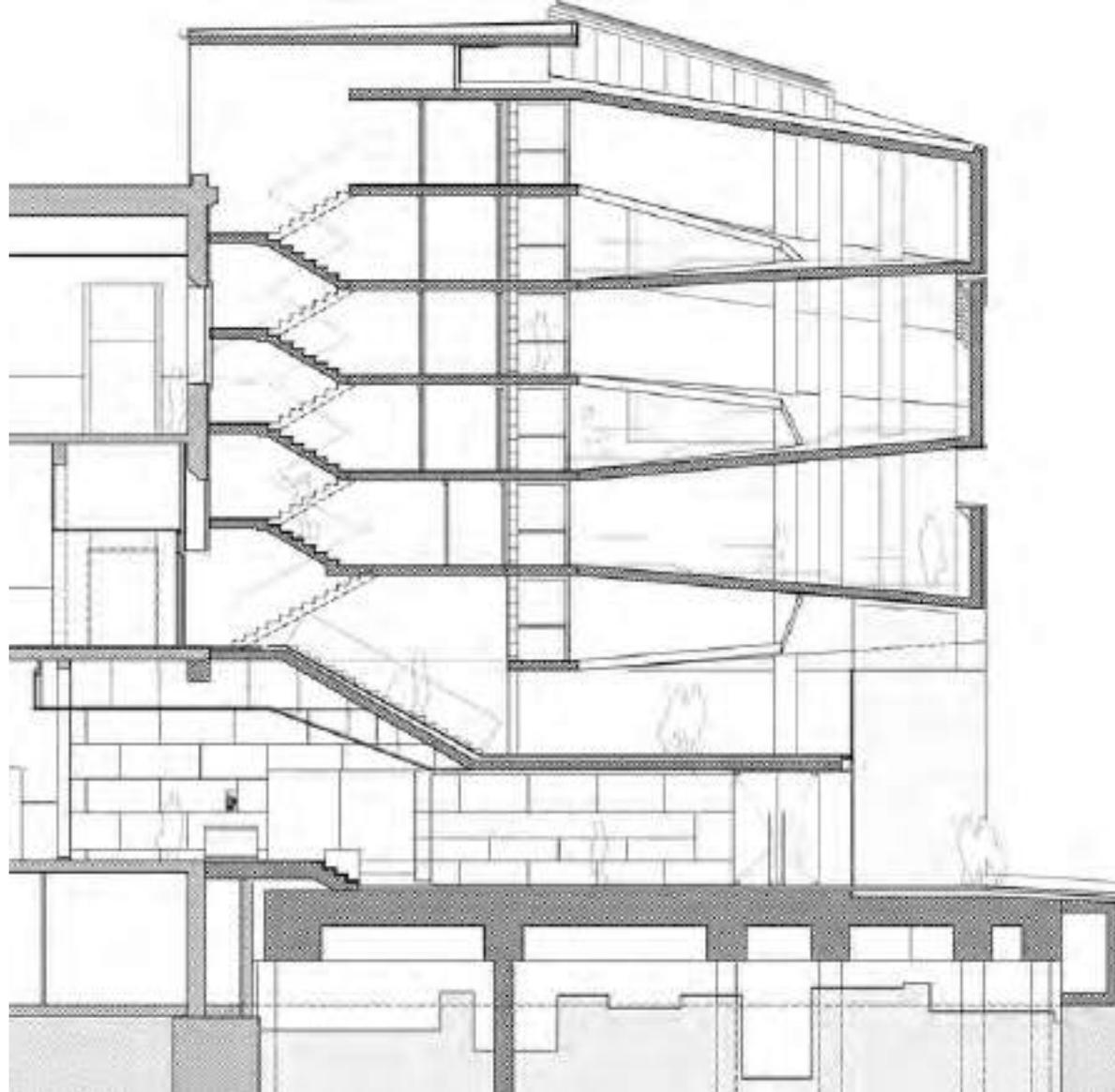
The main assembly hall was restored to conform to modern safety and comfort standards as well as to incorporate the normal technical specification of a modern conference hall- projection facilities, sound diffusion and acoustic control.



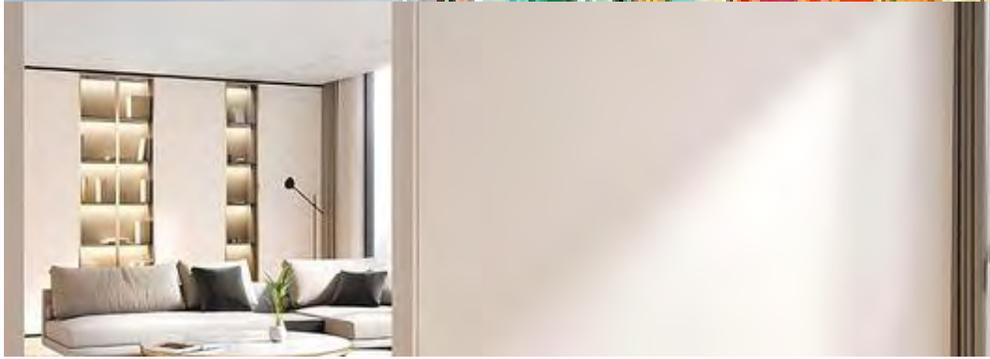
The stepped floor was redesigned to provide safety aisles. A new false ceiling and the panelling to the side walls incorporating the black-out system for the existing windows and new seating complete the new design. The curved ceiling expresses an almost elastic quality especially in the treatment of the proscenium architrave defined as a frame pushing the surface into a double curvature. Either side of the stage the entrance doors are completely flush with the plane curving down from the ceiling. The side walls have been clad firstly with a layer of sound absorption panels and then a series of vertical wooden planks set at varying angles to produce a kinetic wave effect. In correspondence with the windows the planks rotate about the vertical axis to regulate the natural light.



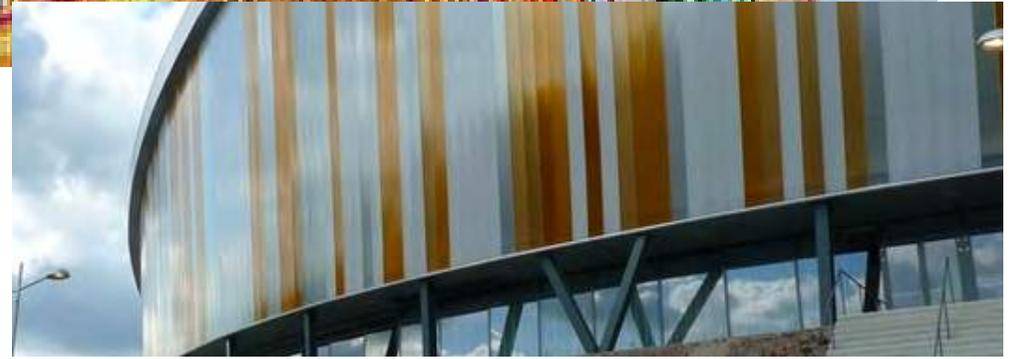
Considerable care was taken in the design of the seats. The idea was to achieve a rounded form derived from a moulded upholstery filling. In this case the module is made up a single arm/backrest with the join between modules in the middle of the backrest. When it came to final production Poltrona Frau decided to adopt a more traditional technique, especially for the upholstery filling- and presented a superbly crafted leather armchair, multiplied by 560.



Recommended Products



Studco
Wall Stop Ends - EzyCap



Rodeca
Round Facade at Omnisport Arena Apeldoorn



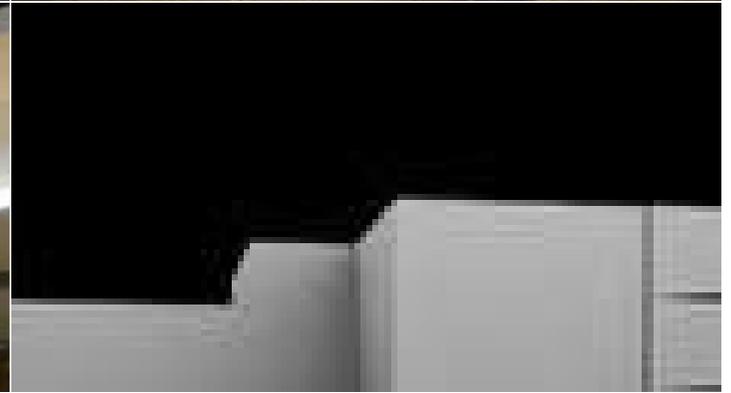
Alusion

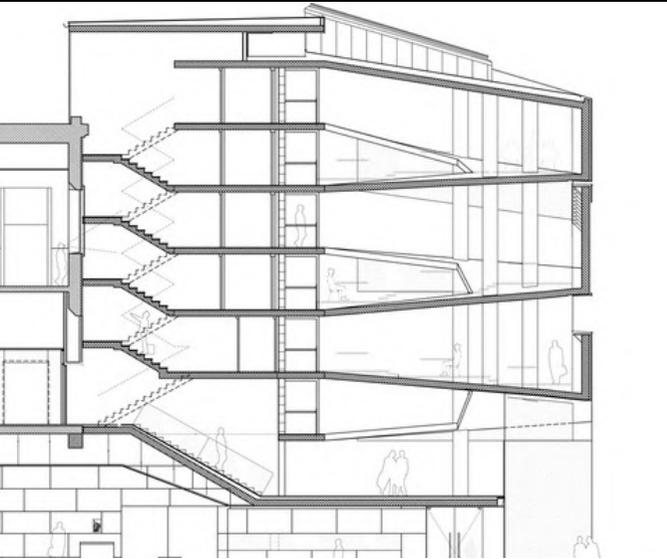
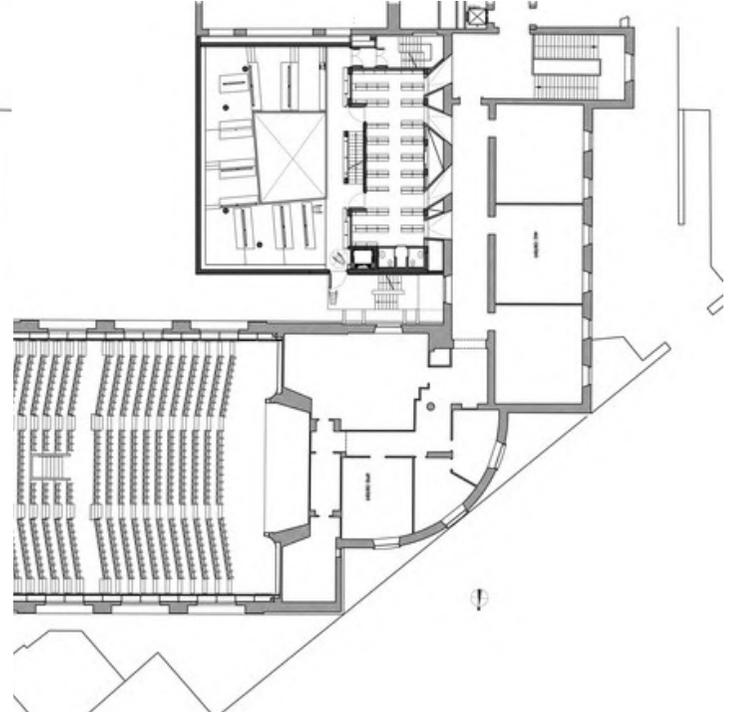
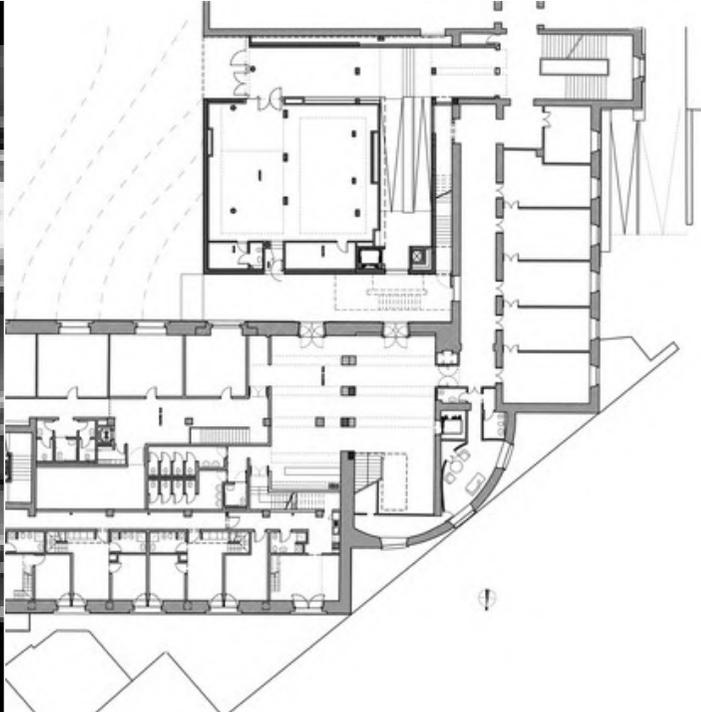
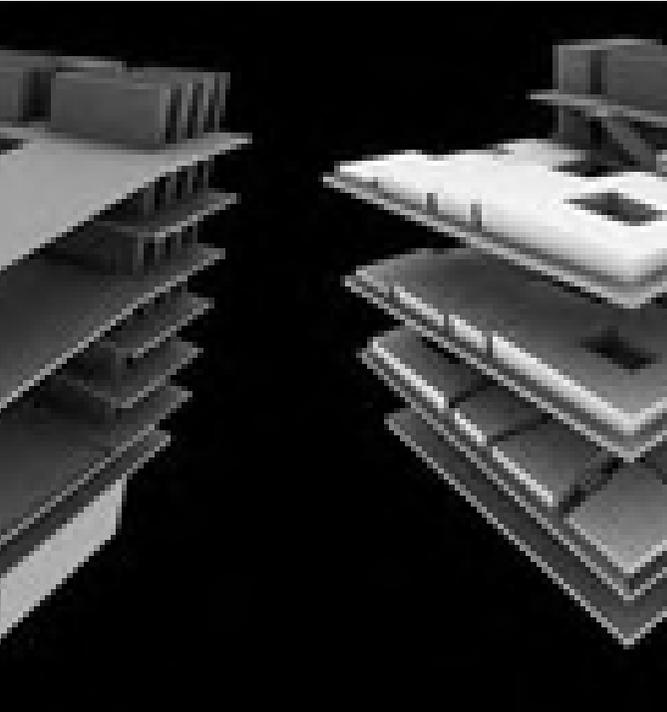


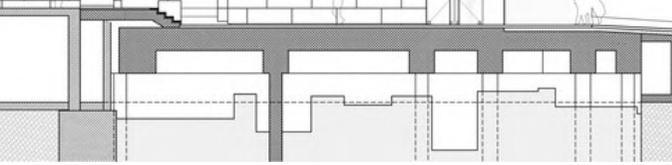
BoConcept





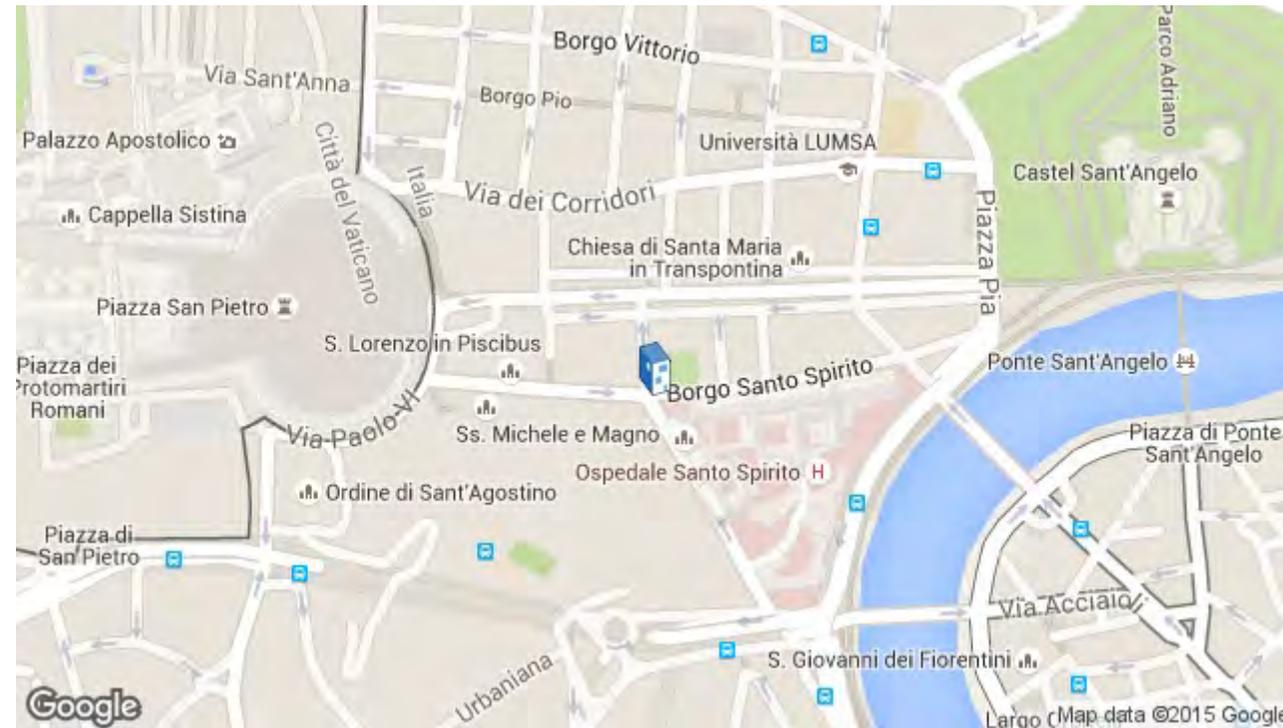






Project location

Address: Rome, Italy



Location to be used only as a reference. It could indicate city/country but not exact address.

University Library Cologne / ANDREAS SCHÜRING ARCHITECTS



Curated by **Paula Pintos**

[↗ Share](#)

LIBRARY, UNIVERSITY • COLOGNE, GERMANY

 Architects: ANDREAS SCHÜRING ARCHITECTS

 Year : 2019

 Manufacturers : Fritz Hansen, DURLUM, Armstrong Ceilings, Gerriets, König+Neurath, Luzidus

Design Team : Jan Jonas Kunz, Lena Koschinski

Clients : FHöV NRW

Collaborators : Heinler Wischer (facade+shell)

City : Cologne

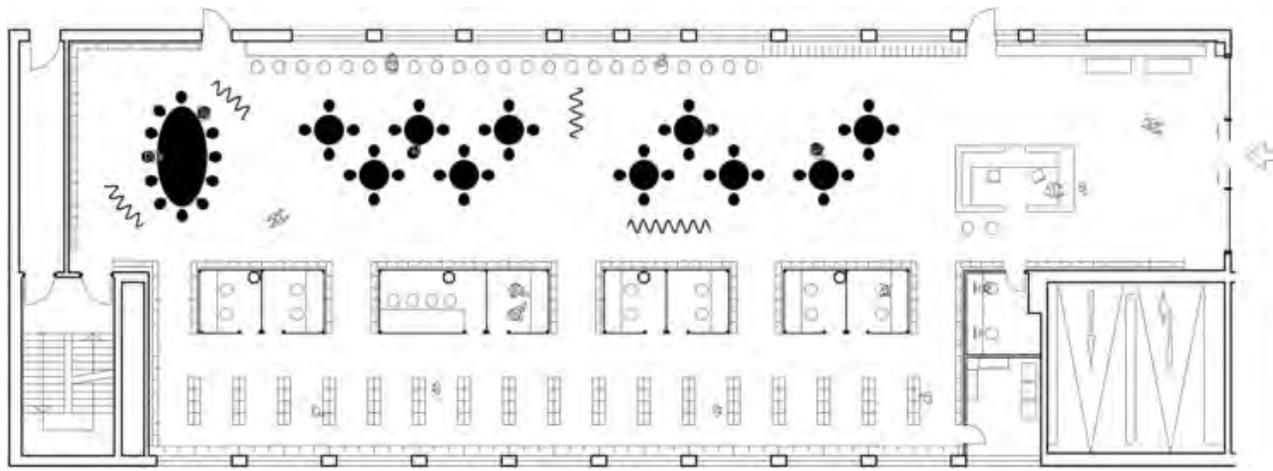
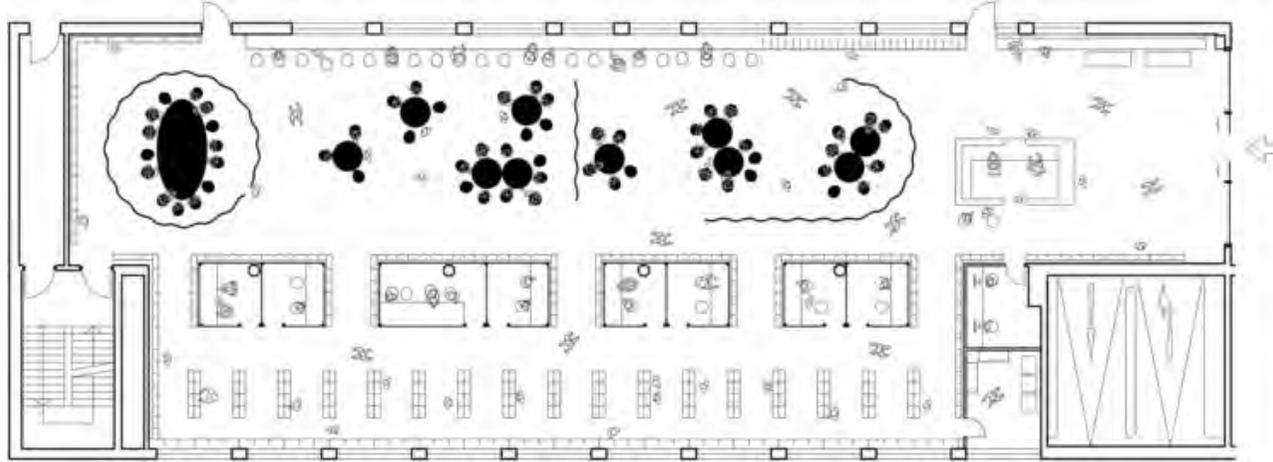
Country : Germany

LESS SPECS



Text description provided by the architects. Order & Freedom. With the basic idea of order and freedom, the new library of the University of Applied Sciences for Public Administration in Cologne-Deutz manages to offer a high degree of adaptability and a large variety of levels of transparency on its 700 m². With its bright, open and inviting character, it is an attractive flagship of the university with around 2500 students.







Through the interweaving of highly transparent learning cubes and light acoustic curtains that can be adjusted as required, it functions as a complex structured one-room under an apparently limitless, all-connecting light ceiling. The transitions between the lounge area of the entrance, the administrative counter, the communicative learning landscape in the center, the work counter along the inner courtyard and the study carrels surrounded by books on three sides are fluid and overlapping. Various straight and curved acoustic curtains, based on the “Café Velvet and Silk” designed by Mies van der Rohe & Lilly Reich in 1927, allow the learning landscape to be easily modulated and, if necessary, also zoned during the

semester: In the beginning of the semester open spaces dominate, but during the busy examination phase the curtains offer alternating retreats for different learning groups.



The theme of a merging grid, as found, for example, in Piet Mondrian's paintings, is translated into the third dimension by shelves and the ceiling. The openly woven structure of the grid ceiling made of high-quality anodized aluminum, with a level above the ceiling of a network of the necessary but almost invisible house technology, picks up on this design theme and, together with the lighting, generates a wide variety of reflections. Within the semi-

transparent glass study carrels this game of sightlines and outlooks, reflections in the glass and the gridded shelves is continued in more introverted areas. In this way, the library not only manages to realize all functional requirements in an atmospheric manner, but also, with the concept of freedom and order, to represent the teaching content of the university, which primarily trains police officers and administrators. "The library is the jewel of the new building," says site manager Holger Nimtz



Recommended Products



Kriskadecor
Metal Fabric - Outdoor Cladding



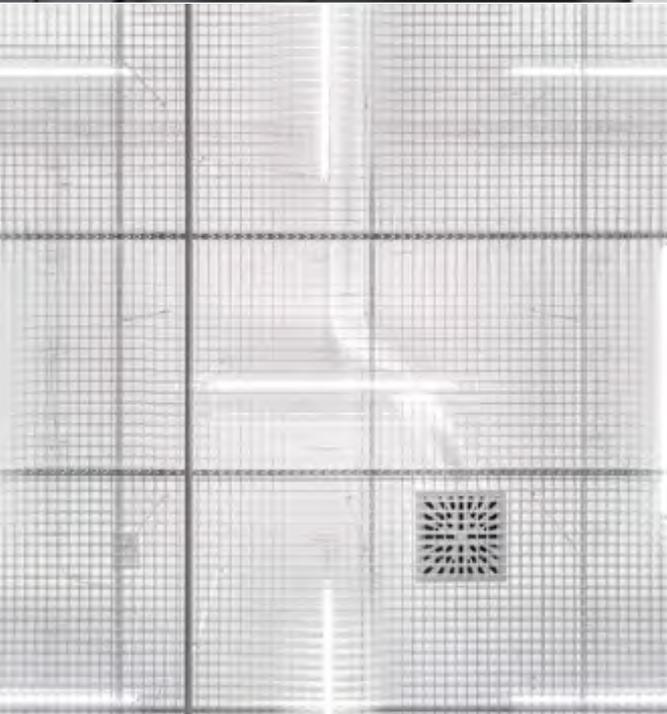
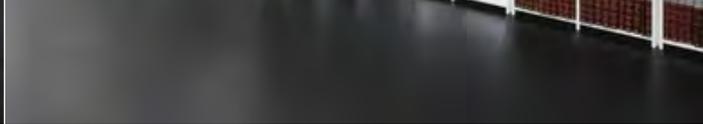
Studco
Wall Stop Ends - EzyCap

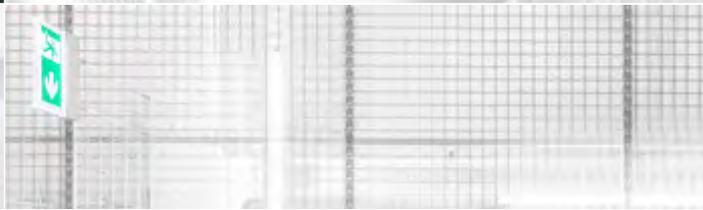


Louis Poulsen
Lights - AJ Collection

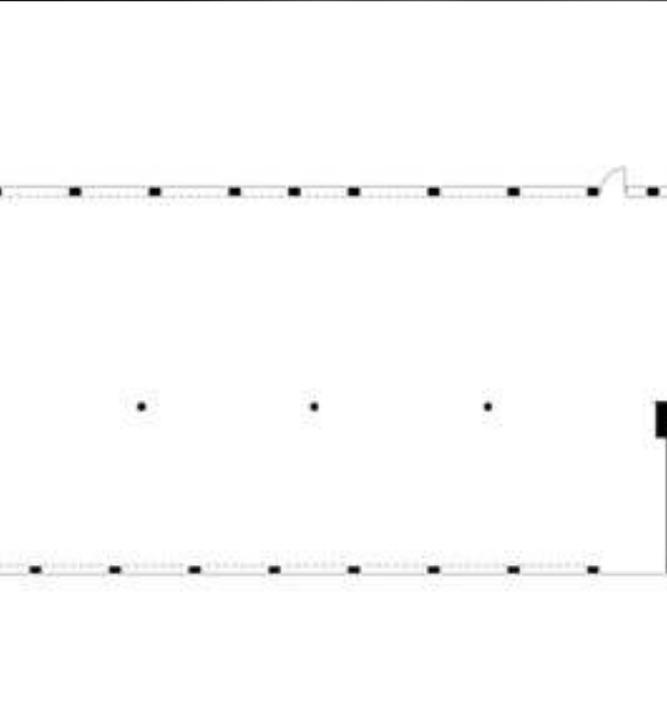
Project gallery

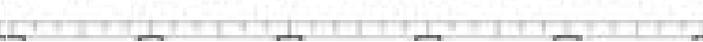
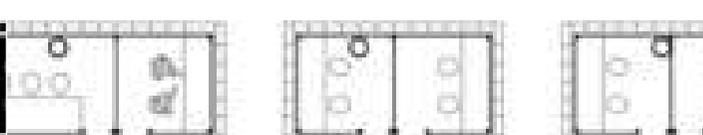
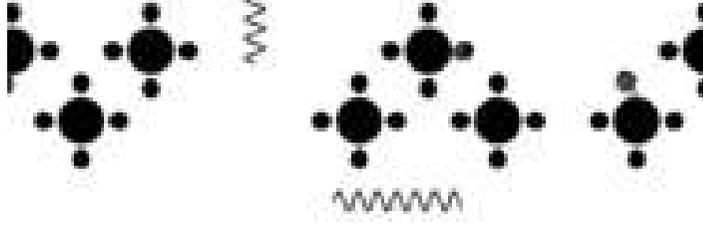
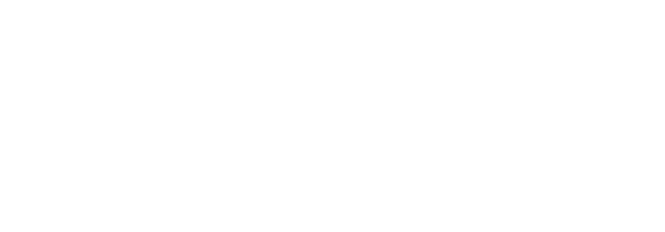
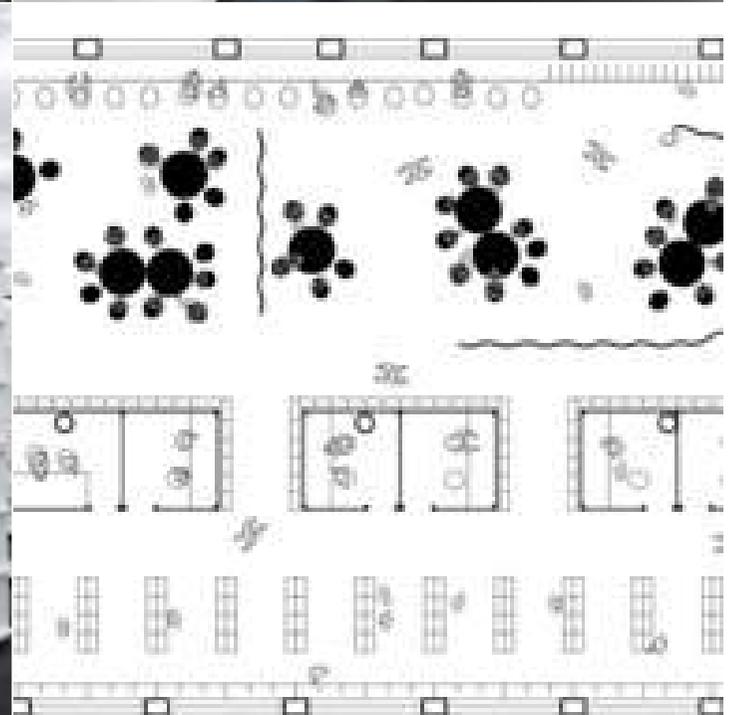












Project location

Address: Cologne, Germany



Location to be used only as a reference. It could indicate city/country but not exact address.

4th Phase Addition of Tsinghua University Library / THAD



Curated by 韩爽 - HAN Shuang

[Share](#)

LIBRARY, UNIVERSITY, EXTENSION • CHINA

 Architects: THAD

 Area : 14959 m²

 Year : 2016

 Photographs : Arch-Exist, Yan Li



Text description provided by the architects. The Tsinghua University Library is a landmark building on the Tsinghua University campus. It was initially designed by American architect Henry Murphy, and the construction was completed in 1919, followed by two extensions: the second phase of construction designed by Yang Tingbao in 1930s, and the third phase of construction designed by Guan Zhaoye in 1980s.



1. 清华大学图书馆一期，建于1919年
(The first phase of Tsinghua University Library, completed in 1919)
2. 清华大学图书馆二期，建于1931年
(The second phase of Tsinghua University Library, completed in 1931)
3. 清华大学图书馆三期，建于1991年
(The third phase of Tsinghua University Library, completed in 1991)
4. 清华大学图书馆四期，建于2016年
(The fourth phase of Tsinghua University Library, completed in 2016)



This project is the fourth phase of extension of the library complex, located in the core area of the campus. The library embodies the continuance of the historical context of the University. It also addresses the need for development in regards to teaching and academic disciplines. The design exemplifies the architectural approach to fulfilling the historical and functional significance of the library.



The new extension and the existing building are interconnected as an organic whole. The exterior wall of the fourth-floor indents and then extends downward to form the interior wall for the first 3 floors. This interior wall serves as a partition between the inner space and the peripheral areas, whereas the circulation in-between is enabled via openings in the wall. The inner space enclosed by this wall is a collection-reading area, which is typical of academic libraries. The peripheral areas scattering between the interior wall and the exterior wall are for more public function such as traffic space, leisure activities, reading and so on, making it a more interactive transition to the outdoor landscape.







The main body of the building reduces in shape floor by floor from the top, which brings a horizontally two-layered nested structure of the inner and peripheral space. This design philosophy is fully reflected on the elevations of the building. Behind the three-storey-high transparent façade stands a solid four-storey-high wall which keeps a spatial balance between separation and interconnection. When the lights are on, the layered spatial arrangement is spotlighted against the dark of the night. The structured red-brick, the extensive glass curtain wall, and the abstract handling of details are all a part of the efforts to make the new extension a coordinated but also a more contemporarily characterized part of the existing library.





The design is very representative of the trends in university library development today. Function-wise, the library is diversified with newly added exhibition hall, café, bookstore, group discussion space, study rooms, ancient books restoration area, etc. to make up for the limitations of only having reading rooms in the library. Several public spaces stretching across different floors are designed to increase interconnectivity and circulation between indoor and outdoor space.





Recommended Products



Alusion
Skyroofs® - Specialty Skyroof® Applications
CMSK Xi'an Zhenguanfu Sales Centre - Alusion™ Stabilized
Aluminum Foam

LAMILUX
Flat Roof Access Hatch Comfort Duo

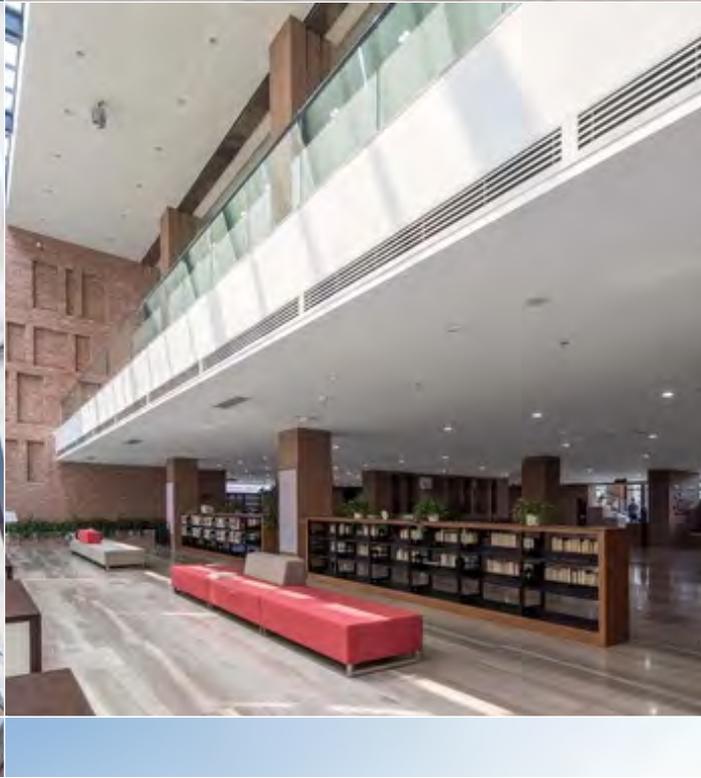
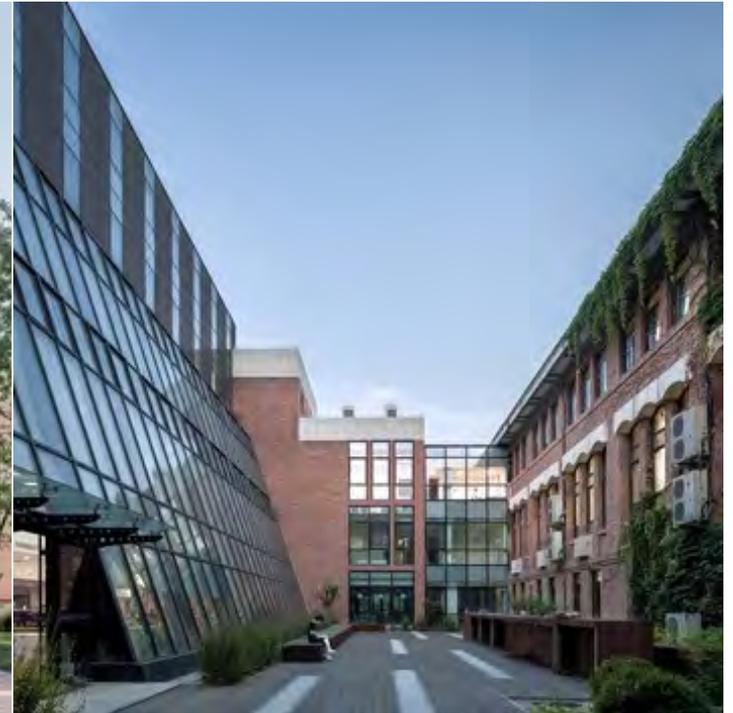


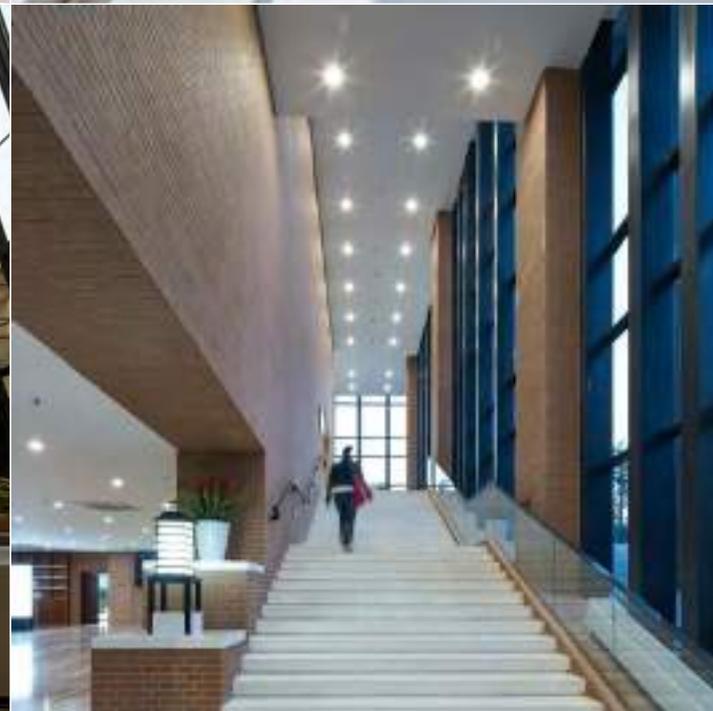
Rieder Group
Facade Panels - concrete skin

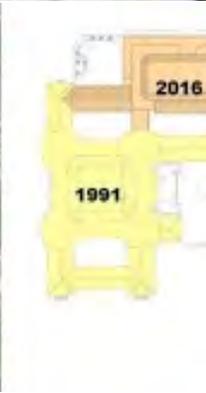


C.R. Laurence
Blumcraft 1301 Series Entrance System

Project gallery

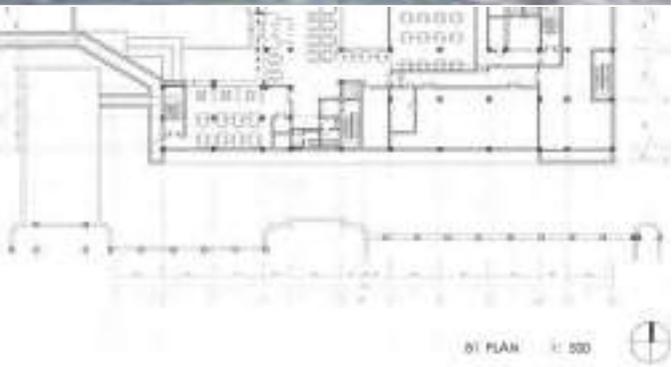
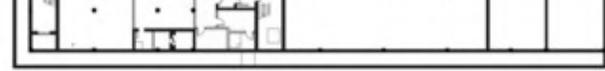








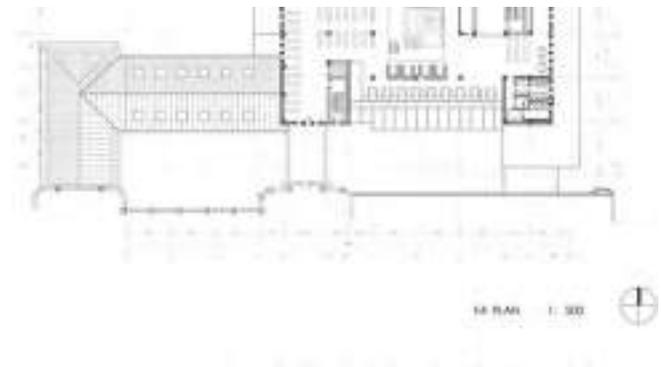
- 1. 清华
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- 2. 清华
/The second pha
- 3. 清华
/The third pha
- 4. 清华
/The fourth pha



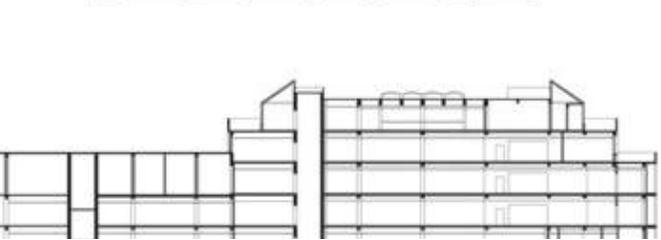
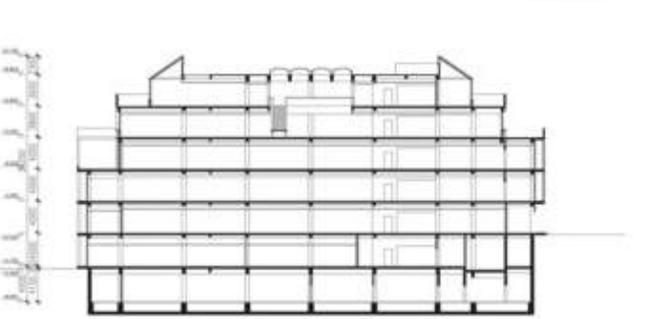
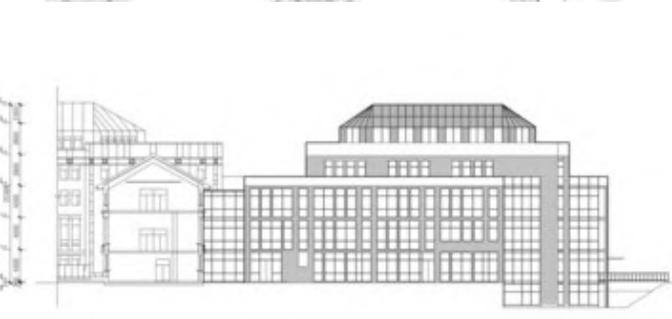
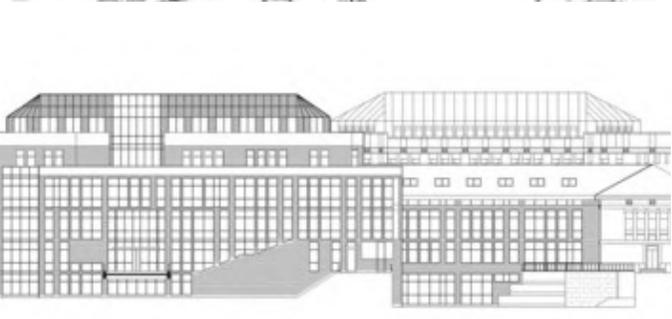
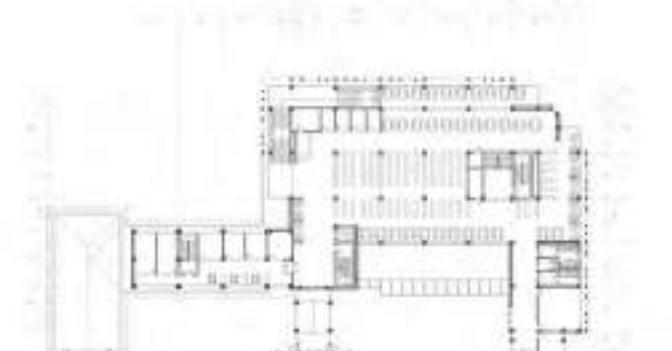
01 PLAN 1:500

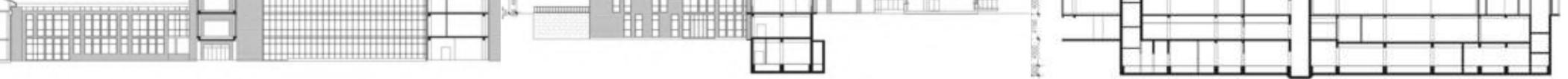


12 PLAN 1:300



14 PLAN 1:300





Project location

Address: Tsinghua University, Beijing, China



Location to be used only as a reference. It could indicate city/country but not exact address.

Tama Art University Library / Toyo Ito & Associates



[Share](#)

LIBRARY • JAPAN

 Architects: Toyo Ito & Associates

 Photographs : Iwan Baan





Text description provided by the architects. Once again, Iwan Baan shared with us another impressive photoset. This time, we are presenting the Tama Art University Library in Tokyo, Japan, by Toyo Ito.





Recommended Products



Studco
Flexbrick
Wall Stop Ends - EzyCap
Ceramic Textiles for Facades



LunaWood
Thermowood Facades



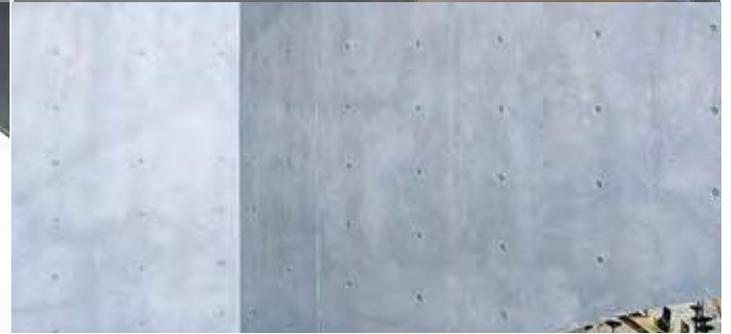
PARKLEX PRODEMA
Exterior Wood Cladding - NATURCLAD - W



Vibia
Outdoor Lights - Empty

Project gallery









Address: Tokyo, Japan



Location to be used only as a reference. It could indicate city/country but not exact address.

شكرا لحسن الاصغاء

