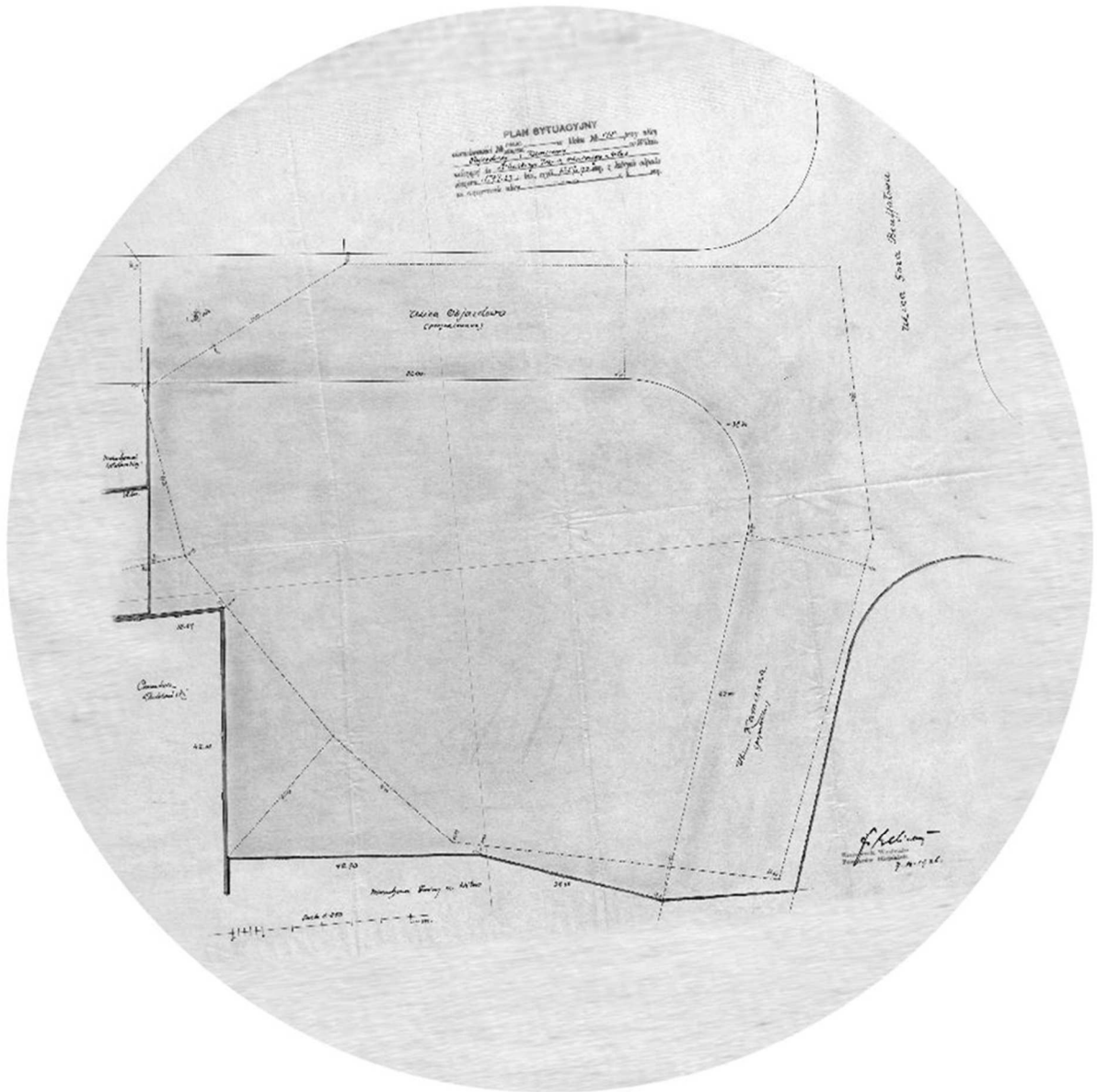




NATIONAL CONCERT HALL 'TAUTOS NAMAI'

TOWN-PLANNING CONCEPT



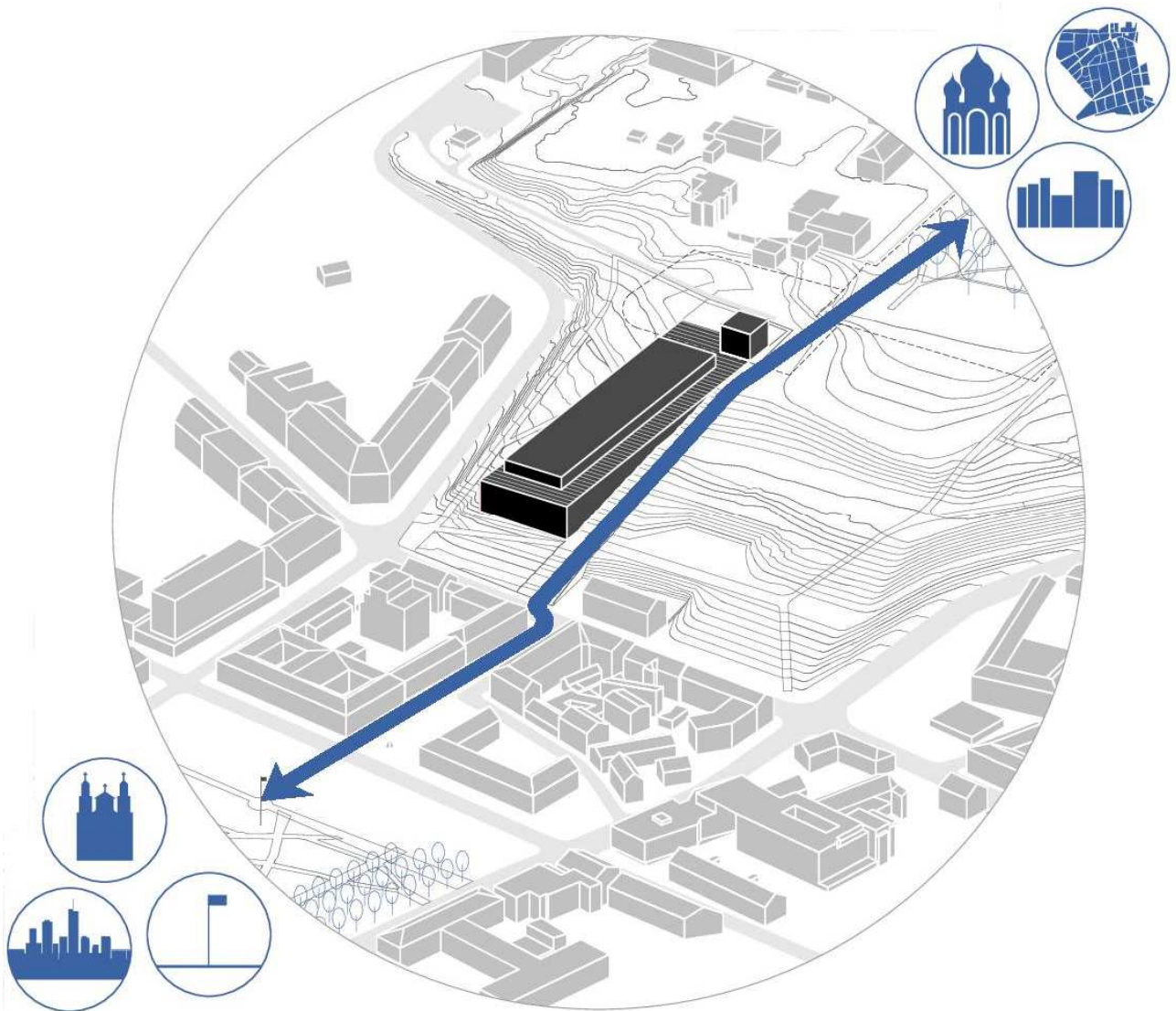
MASTER PLAN OF HISTORICAL SITE, 1926

Site for the construction of Tautos namai was bought according to the idea of members from Lithuanian modern culture creators association using money donated by the society. According to the precise site plan, dated year 1926, the site was located in the eastern side of the hill. There are archived historical photos with Lithuanian science association members standing at the exact spot.



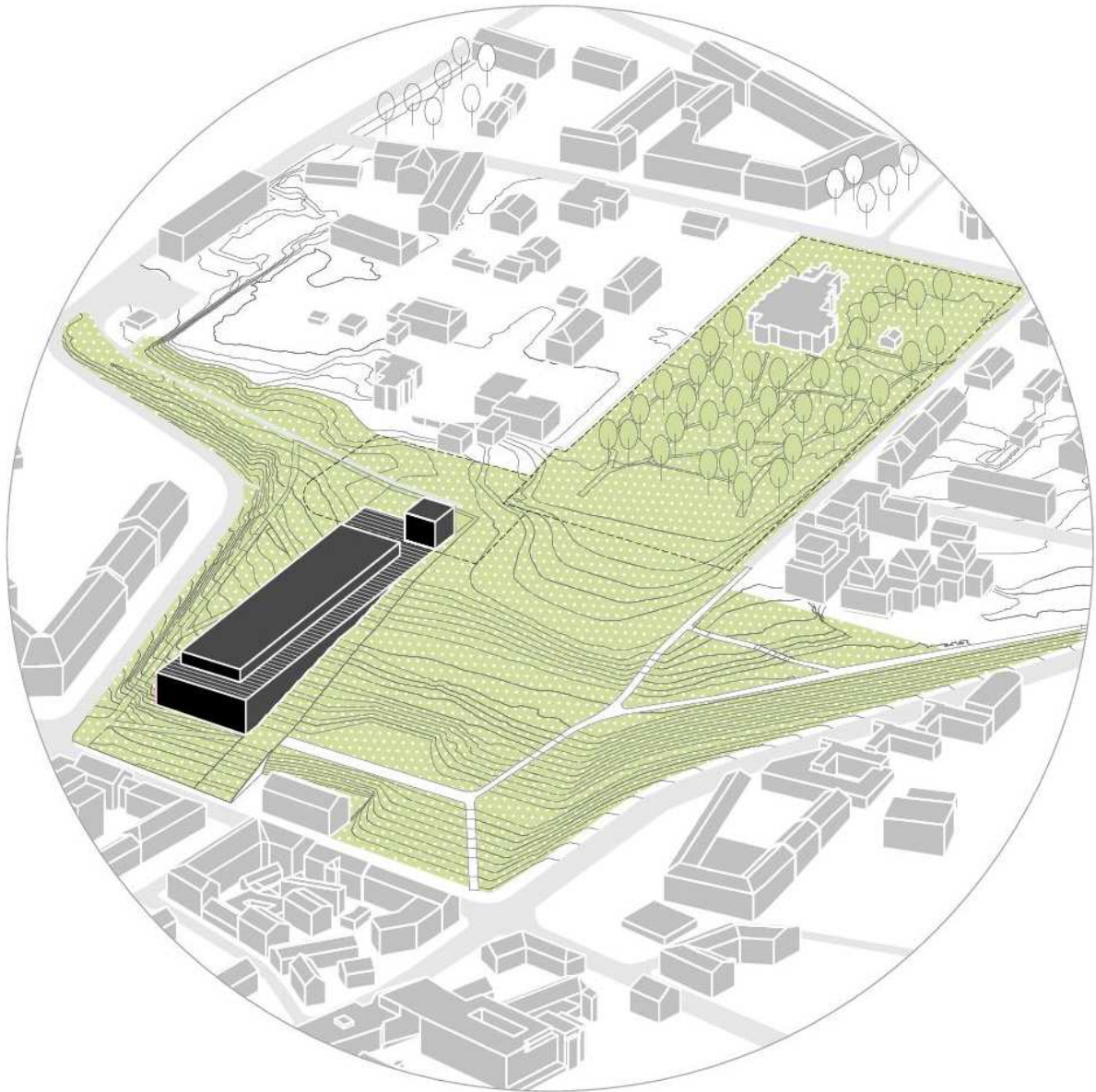
LITHUANIAN SCIENCE ASSOCIATION MEMBERS IN HISTORICAL SITE

Soviet Trade-union culture palace were built on the other site – the center of Tauras hill top. Their construction required excavation of the the hill's peak and destruction of the part of Evangelical Lutheran cemetery. To built a new and modern building of Tautos namai in the site of former Soviet monument and using a piece of old cemetery theritory again is not an acceptable choice according to our values.



BUILDING AS A LINK

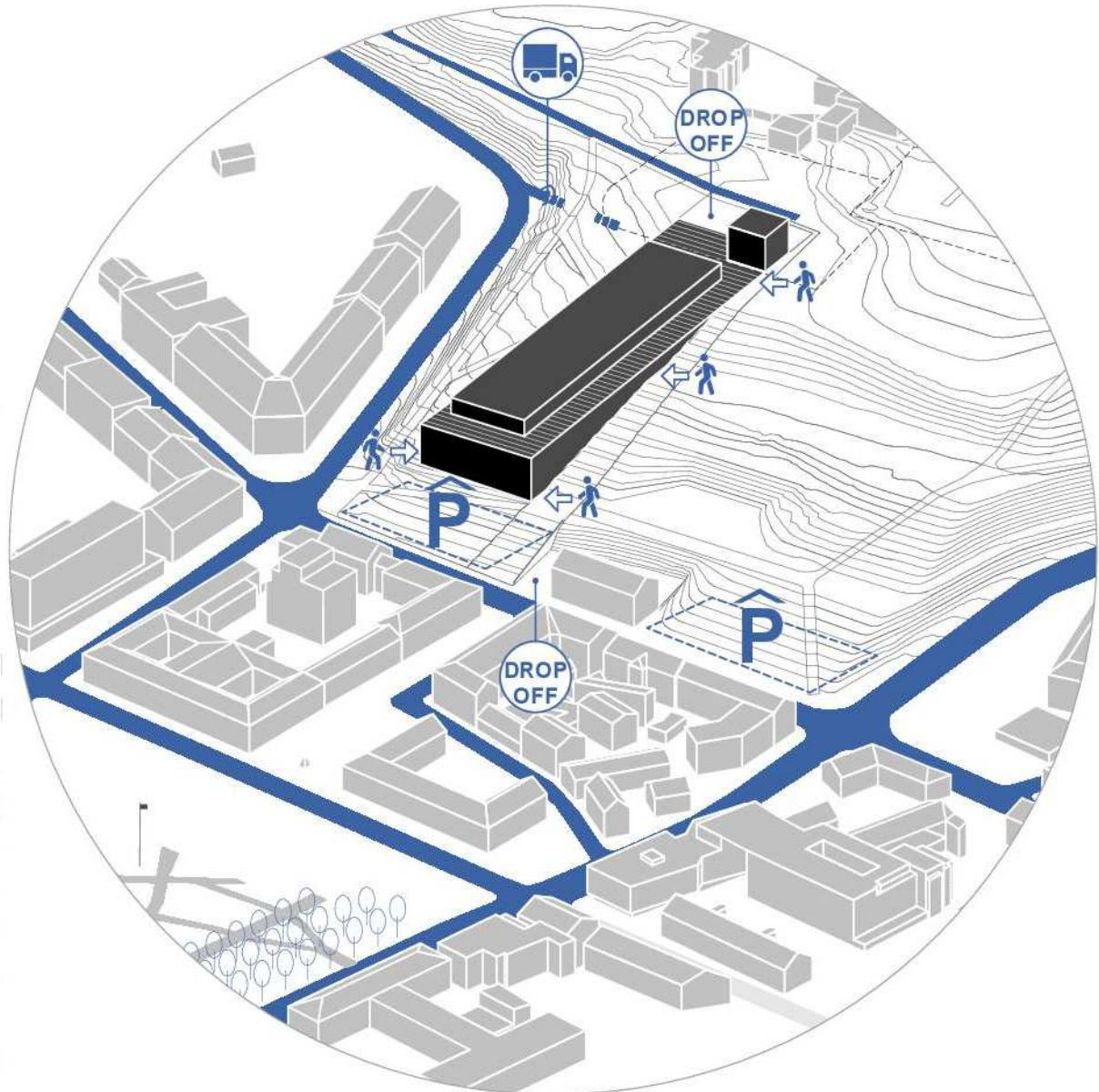
After estimating the answer by the Buying organization no.13 (2019-04-10), saying that ' projects with some parts of the buildings being planned outside of 'the possible construction area' will not be excluded from the competition', we propose an idea of building as a link between historical site on the eastern part of the hill top and city center at the base. In this way Tauras hill park is naturally merged with green area of former Evangelical lutheran cemetery. Terrain of the hill is highlighted by building integrated into it. Historical construction site is represented by a significant volume for education and exhibitions of Tautos namai.



GREEN HILL AS A LANDMARK

On the hill top, natural terrain is restored and Taurus hill peak is converted into a democratic sightseeing site designated to everyone, not only the visitors of the concert hall. The green hill is a landmark itself.

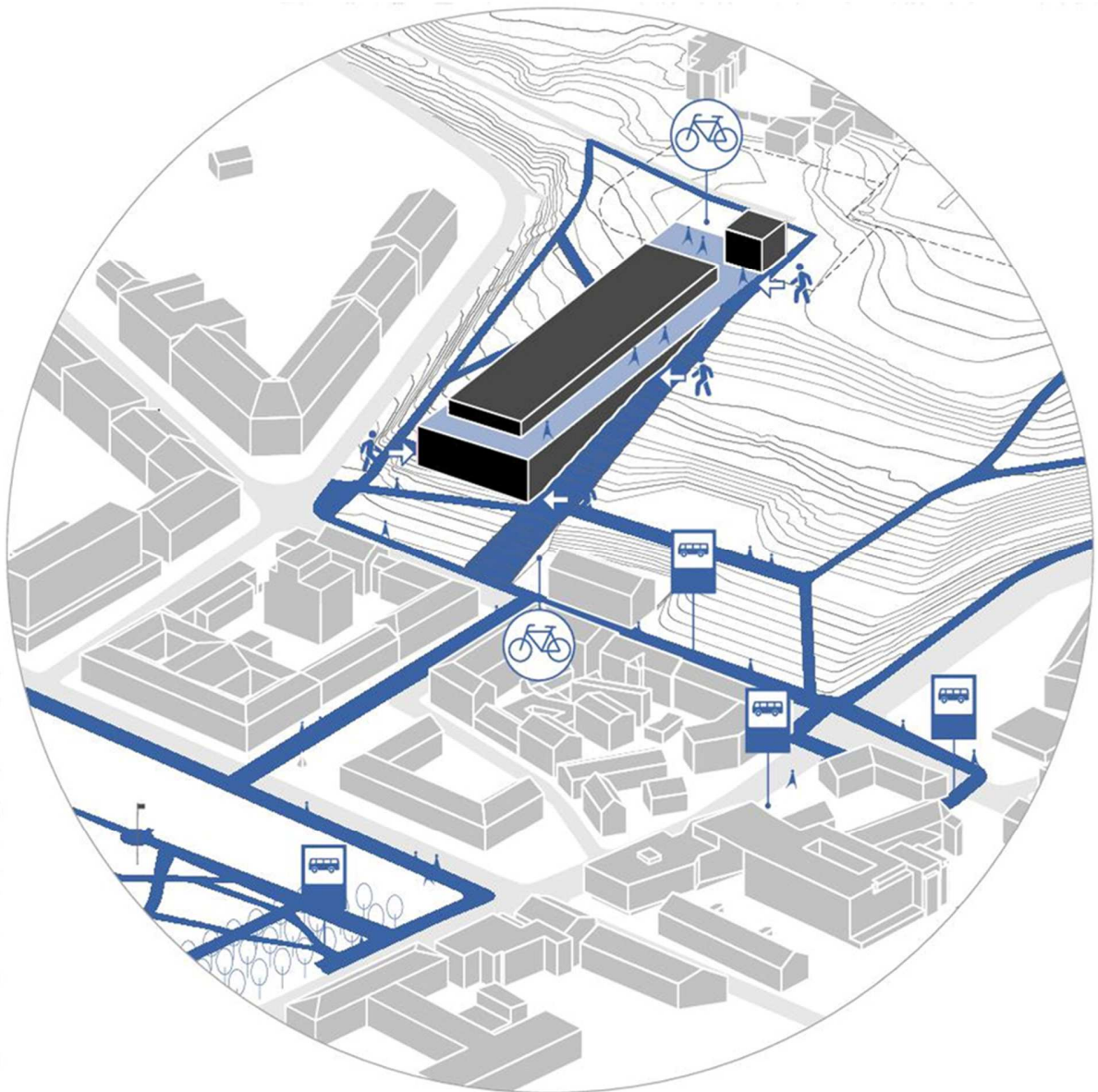
TRANSPORT CONCEPT



EASY TRANSPORT ACCESS

Building is accessible from all three terraces of the hill. Main entrance is located at the base of the hill. driveway to the building at the top of the hill is organized from Tauras street. Turn about, drop off and boarding zones are provided next to the building. Driveway at the bottom of the hill is organized from Pamėnkalnio street. Here traffic is organized in a circular rotation directing vehicles to the yard of the building, underground parking lot and visitors departure/arrival zone. From this zone visitors reach the main entrance by using a 5% slope ramp, comfortable stairs or an elevator going straight from the underground parking lot to the main hall.

All the services transport access to the building is organized from Tauras street installing a widening and an underground tunnel to services yard and underground parking lot. Two underground car parking lots are designed aligned to Pamėnkalnio street, hidden under extended hill terrain.



CONVENIENT PEDESTRIAN ACCESS

Building position and integration in the site makes all of the concert hall entrances easily accessible for the visitors arriving to the building with public transport , also – for the disabled visitors as there is no need for an exterior elevator to reach the hill top, interior elevator would raise them to the sightseeing terrace on the rooftop of the building which is at the same level as the hill top.

ARCHITECTURAL CONCEPT



VISUALISATION OF THE NATIONAL CONCERT HALL

Growing from its historical roots the building integrates into the urban pattern of city center. Vibrant ornamentation of the facades associates with ethnic patterns makes building dynamic. Modest and regular linear volume of the building connected to expressive terrain becomes exclusive and significant.

ENVIRONMENTAL CONCEPT

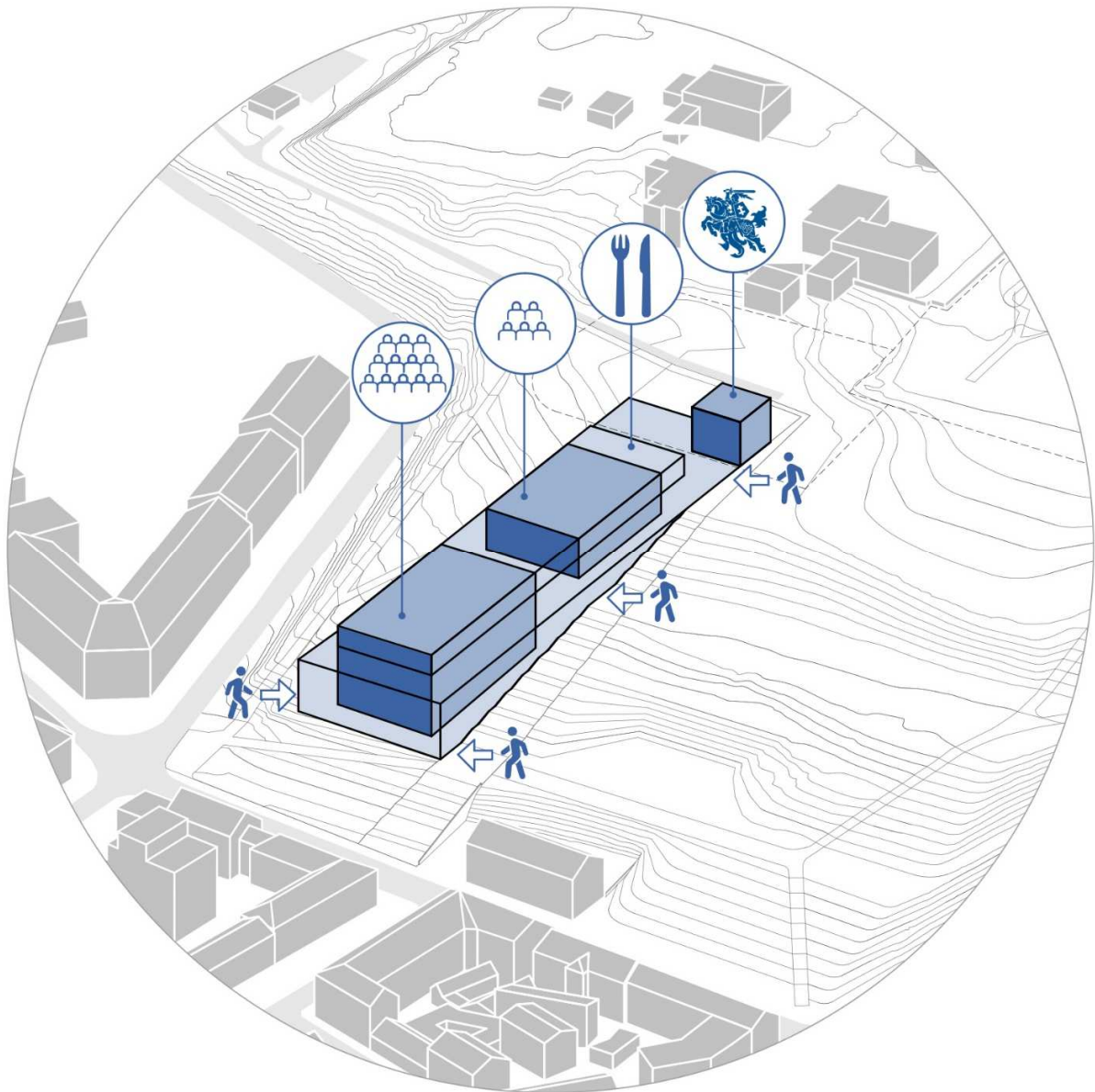


VISUALISATION OF THE NATIONAL CONCERT HALL WITH THE SURROUNDINGS

The terrain of Tauras hill is highly affected and formed by various human interventions. Eastern slope of the hill was formed by building Tauro street, western slope – Z. Sierakausko street and northern by buiding parking lots there. The peak of Tauras hill was removed for the construction of Soviet Trade-union palace. The main idea for the new building proposal of Tautos namai is to regenerate Tauras hill top and extend the northern slope to Pamėnkalnio street. The proposed idea would highlighten one of the most valuable characteristics of Naujamiestis – green slopes.

Design of public stairs aligned to north-south direction along to the National concert hall building is proposed to connect the central part of the city on the base of the hill with Naujamiestis on the top.

FUNCTIONAL LAYOUT OF THE NATIONAL CONCERT HALL



RATIONAL FUNCTIONAL SCHEME

Main entrance of the building is designed at the lower terrace of Tauras hill, on the same level as an amphitheater platform. There are also entrances from the middle terrace of the hill to the lobby of Small concert hall and from the top terrace to expo/ educational space of 'Tautos namai', rooftop restaurant and terrace for viewing urban panoramic sights.



VISUALISATION OF THE MAIN ENTRANCE

Main entrance is designed as a covered entee space – portico, where the visitors of National concert hall could gather before entering the building. Lobby of the main entrance is also accessible from the rooftop terrace by stairs or elevator and from the underground parking lot next to Pamėnkalnio street by elevator.

Ground floor level (0.00=111.00) contains cloakrooms, main part of the restrooms and entrances to the Main concert hall parterre. At this level of the stage are also designed backstage premises and quarters for artists.

At the First floor (+4.24) is designed the lobby with bars, part of the restrooms and entrances to the Main concert hall parterre and first balcony.

Second floor level (+8.60) contains lobby, restrooms, bars and entrances to the second balcony of Main concert hall. At this floor level +7,00 is designed the ramp for services, maintenance premises and car parkin plot. The ramp is accessed from Tauro street by underground tunnel.

Third floor (+13.00=124.00) is the level where lobbies of the Main and Small concert halls connect. There are bars, restrooms and cloakrooms. Lobby at this floor is accessible from the middle terrace of Tauras hill and it allows The Small concert hall to function independent from the events at the Main concert hall. Lobby at this floor can also be used as space for various events. Also from this level restaurant on the Terrace ground floor (+20.20=131.20) can be reached by using stairs or elevator. On the eastern part of this floor are entrances to administration premises and artists quarters.

Terrace ground floor (+20.20=131.20) is naturally merged with the base level of Tauras hill. At this level visitors can walk around the perimeter of the building on the rooftop terrace and view the urban panoramic sights of the city. Also, the rooftop restaurant can be entered from here. By using elevator or stairs people from the terrace ground floor can easily reach the lobbies on various floors of the building. Terrace ground floor level contains entrances to expo/ educational spaces with the symbolic name 'Tautos namai'. These spaces at the lower floors are merged functionaly with the whole building, but visitors can enter them only either from the terrace ground floor level or top terrace of the hill. Educational and spaces for expositions are layouted on two floors above the Terrace ground floor level.

ACCOUSTIC SOLUTIONS OF THE NATIONAL CONCERT HALL



VISUALISATION OF THE MAIN CONCERT HALL

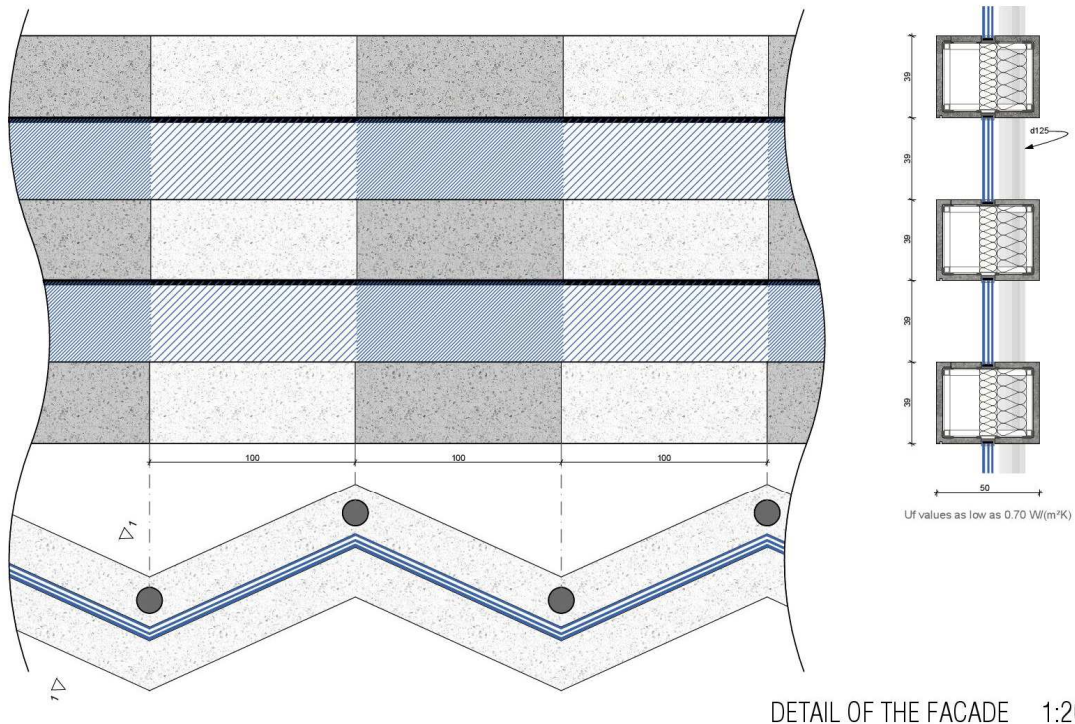
The type of hall chosen for the Main concert hall is shoe-box. This shape is chosen because after years of trial and errors acousticians have established on it as the best shape for a concert hall performance. Capacity of the Main concert hall is 1614 seats, 12 m³ per one seat. On the lower part of the hall walls are furnished with wood panels, upper part is covered with massive plaster panels with special perforation, behind it are installed curtains which creates possibility to reduce the time of reverberation. Spherical transparent reflectors are hung above the stage. Designed and equipped this way concert hall assures the highest level of acoustic results.

Shape chosen for the Small concert hall is also a shoe-box. The side walls of the hall are furnished with wood panels. Both Main and Small concert halls are designed surrounded by the lobby and other premises, their constructions are independent from other building constructions, the halls are isolated from noise of the surroundings and the structural noise.

ENGINEERING AND TECHNICAL SYSTEMS OF THE NATIONAL CONCERT HALL

Rational and compact volume of the building allows rational layout of all engineering systems. Proposed design provides space and premises for HVAC and other technical and engineering systems.

BUILDING FINISH MATERIALS



While choosing building finish materials priority was given to products made by local industries using the experience of local craft masters. Products of white polished concrete were chosen for the finish of the facades (pic.11) because usage of terrazzo as a finish material in Lithuania has old traditions. The idea of original bas-relief with a motive of Lithuanian coats of arms symbol 'Vytis' is proposed for the western facade of 'Tautos namai' volume.

Terrazzo products are also used as interior finish materials for lobbies floors and walls. Concert halls and some of the lobbies walls are decorated with natural wood veneering panels.

STRUCTURAL CONCEPT

Regular geometry of the building allows rational structural schemes to be used for building constructions. Reinforced concrete is chosen for all load bearing constructions. Foundations and the supporting walls are installed on drilled poles. Framework of the facades is made of steel profiles on which elements of finishing and glass aluminum systems of the facade are installed. For the cladding of concert halls are used collectable reinforced concrete elements or steel constructions.

KEY PARAMETERS OF THE NATIONAL CONCERT HALL

MAIN INDICATORS OF THE BUILDING

- Project Key TN1926
- Total area 16198,1m²
- Building development area 8157,9 m²
- Maximum altitude of the building 147.2
- Main Hall capacity 1614 seats
- Main Hall area 1587,5 m²
- Small Hall capacity 500 seats
- Small Hall area 500,7 m²