

Philosophical idea

Less is more or less is bore are two different school in architecture where the first reduces project's elements to the minimum, while the second complicates the plan and façade with different elements and interlocking architectural solutions. Hence, the first gives calm and quiet while the second creates feeling of dazzling and sudden. In this proposal, the designer has tried to use the advantages of each in an integrated solution. Accommodating the many spatial requirements, compared to the very limited plot area and the different constraints the site imposes, requires a unique design that can make exceptional use of each individual area unit by extrapolating above-mentioned schools' benefits. The result is an architectural simple plan in all its levels.

Principally seen, the idea of the project reflects the delicate movement of the actress, with the edges of her dress raised and slightly bent, as an expression of feelings of superiority, humility and welcome, while the centre is occupied by the most precious jewel, embodied in the actor's mind. It is derived from the delicate and elegant movement of the Stara Zagora puppet's golden symbol.

The plan represents simple yet visually complex elevations that create a unique form within the spatial context of the site. The designer takes into account the connection of the project to the existing building without making major changes to the latter by protecting the interstitial space, making it clean and usable for both. The building's rehearsal room is accessible to students and actors in the existing building through various routes including the ground floor and basement. Actors use the building's front main entrance, rear entrance (open auditorium), or their main entrance at the back of the building's functional block, as well as emergency escape ports, to access the main hall and backstage functions.

On the other hand, the designer has tried not to dispose or remove any single tree for its great importance visually, environmentally and sustainably as well as its importance in the client's considerations. The proposal protects almost all trees except the two medium-quality ones in the open auditorium.

Философска идея

По-малко е повече или по-малко отегчение са две различни школи в архитектурата, където първата намалява елементите на проекта до минимум, докато втората усложнява плана и фасадата с различни елементи и преплитачи се архитектурни решения. Следователно първият дава спокойствие и тишина, докато вторият създава усещане за ослепително и внезапно. В това предложение дизайнерът се е опитал да използва предимствата на всеки в едно интегрирано решение. Приспособяването към многото пространствени изисквания, в сравнение с много ограничената площ на парцела и различните ограничения, които обектът налага, изисква уникален дизайн, който може изключително да използва всяка отделна единица площ чрез екстраполиране на гореспоменатите предимства на училищата. Резултатът е прост архитектурен план във всичките му нива.

Погледнато принципно, идеята на проекта отразява деликатното движение на актрисата, като краищата на роклята ѝ са повдигнати и леко огънати, като израз на чувство за превъзходство, смирение и добре дошли, докато центърът е зает от най-ценното бижу, изпълнени в съзнанието на актьора. Произлиза от деликатното и елегантно движение на символа на старозагорската кукла.

Планът представлява прости, но визуално сложни възвишения, които създават уникална форма в пространствения контекст на обекта. Дизайнерът взема предвид връзката на проекта със съществуващата сграда, без да прави големи промени в последната, като защитава интерстициалното пространство, което го прави чисто и използваемо и за двамата. Стаята за репетиции на сградата е достъпна за студенти и актьори в съществуващата сграда по различни маршрути, включително приземния етаж и сутерена. Актьорите използват предния главен вход на сградата, задния вход (отворена аудитория) или главния си вход в задната част на функционалния блок на сградата, както и портове за аварийно евакуиране, за достъп до основната зала и функциите зад кулисите.

От друга страна, дизайнерът се е опитал да не изхвърля или премахва нито едно дърво поради голямото му значение във визуална, екологична и устойчива гледна точка, както и значението му в съображенията на клиента. Предложението защитава почти всички дървета с изключение на двете среднокачествени в откритата зала.

Recommended and designed functional and spatial zones.
(Препоръчани и проектирани функционални и пространствени зони)

Zoning code (Код на зонирание)	Function функцията	functional and spatial requirements (функционални и пространствени изисквания)	The designed (Проектираният)	The total area (Общата площ)
A	Entrance Zone (Зона предверие)			
A1	Entrance (Вход)	---	12.3 m ²	12.3 m ²
A2	Welcome Desk and Box-Office (Информационен - билетен център)	Workstations – 2 Работни места: 2 броя.	4.56 m ² Workstations – 2 Работни места: 2 броя.	4.56 m ²
A3	Storage space for the Welcome Desk and Box Office (Склад към информационния - билетен център)	at least 5 m ² (Най-малко 5 м ²)	5.46 m ²	5.46 m ²
A4	Cloakroom (Гардероб за посетители)	Workstation: 1 Работни места: 1 брой	17 m ²	17 m ²
A5	Restrooms (Публични санитарни помещения)	Men Toilet (Мъжка): --- Women Toilet (Женска): -- - Disabled Toilet (Тоалетна за хора с увреждания): ---	9.45 m ² 9.45 m ² 3.35 m ²	22.25 m ²
A6	Cafeteria and Bar (Кафе-бар)	----	84 m ² + 7.8 m ²	91.8 m ²
A7	Storage for Cafeteria & Bar (Склад към кафе-бар)	At least 6 m ² (най-малко 6 м ²)	6.25 m ²	6.25 m ²
B	Main Hall (Зала – основна)			
B1	Main performance hall (Основна зала за изпълнителски изкуства)	At least (най-малко) 12*22 m ² Emergency exits (Аварийни изходи) 2 (1.2*2.1)	12*22 m ² 2 (1.2*2.1), 1 (1*2.1) Other exits can also be used as emergency exits (други изходни портове също могат да се използват като аварийни изходи)	264 m ²
B2	Wings (Чакащи артисти)	20 m ²	19.4 m ² 6.7 m ²	26.3 m ²
B3	Storage (Склад)	30-40 m ²	34.4 m ²	34.4 m ²

B4	Sound and light boxes (Озвучително и осветително пространство)	20 m2 Workstations – 2 (Работни места: 2 броя).	22 m2 Workstations – 2 (Работни места: 2 броя).	22 m2
B5	Technical booth (Техническо помещение)	5 m2	6.7 m2	6.7 m2
C	Offstage spaces (Служебни помещения)			
C1	Dressing rooms (Гримьорни)	Men (Мъжка): 20 m2 Women (Женска): 20 m2	19.6 m2 20.67 m2	40.27 m2
C2	Offstage restrooms for the actors (Санитарни помещения към служебните помещения за актьорския състав)	Men (Мъжка): 10 m2 Women (Женска): 10 m2	7.8 m2 7.8 m2	15.6 m2
C3	Rehearsal space (Репетиционна)	120 m2	118.85 m2	118.85 m2
C4	Administration (Администрация)	3 Rooms, 12 m2 each (3 стаи по 12 м2 всяка)	11.3 m2 12.00 m2 12.00 m2	35.3 m2
C5	Residential block (Резидентен блок) anteroom and corridor (антре и коридор)	3 Hotel -style rooms, 18 m2 each (3 хотелски стаи по 18 м2 всяка) ----	21.6 m2 18.3 m2 18.3 m2 26.3 m2	84.5 m2
C6	Heater room (Помещение за отопление)	25 m2	30.00 m2	30.00 m2
C7	Toilets (Санитарни помещения)	10.00 m2	7.2 m2	7.2 m2
D	Yard (Двор)			
E	Warehouse (Склад)	600 m2	Basement floor (сутеренен етаж): 426 m2 +182 m2 First floor (първи етаж): 14.00 m2	622 m2
Recommended Built-Up Area (Препоръчителна застроена площ)		600 m2		653.00 m2
Overground construction (Надземно застрояване)		Floor Area (подова площ): Up to (до) 1344,9 m2		843 m2
Building Height (Височина на сградата)		18 m.		14.4 m.

Parking Lot (Паркинг)	200.00 m ²	<ul style="list-style-type: none"> • 2 Van parking spaces (2.5*6) m² each [2 паркоместа за микробуси (2,5*6) м² всяко] • 2 Bus parking spaces (3*10) m² each in school's backyard [2 паркоместа за автобуси (3*10) м² всяко в задния двор на училището] 	55.8 m ²
Total landscaping area (Обща озеленена площ)			120 m ²
Building Density (Плътност на застрояване)		653/2100	0.31

Construction Description:

Substructure

Basement 720 m² assumed secant piled with RC lining walls and cavity drain. Concrete blinding 100 mm, Perforated drain, Waterproof tanking membrane fixed to top of concrete blinding, reinforced concrete slab 400-600 mm, Waterproof tanking membrane fixed to top of slab, Studded membrane with geo textile layer to prevent blockage with two coats elasticized tanking slurry, followed by 400 mm reinforced concrete wall, 100 mm reinforced concrete slab over W.T.M., Internal wall finishing 20 mm cement plastering, and 40 mm internal floor finishing on concrete screed.

Frame and Upper Floors

Steel truss roof and composite upper floors; floor deck, 215 mm hollow floor; large span trusses over auditorium.

Stairs

In situ cast concrete stairs and ramps. Stairs will be covered by tiles or mudstone; including balustrading and handrails.

Internal wall and partitions

Rear walls: load-bearing rear walls are made as 150 mm leca concrete walls.
partition walls: load-bearing partitions are made as 150 mm reinforced concrete and non-load-bearing partition walls are made as plasterboard walls on steel studs. painting is carried out as requested

Internal doors

Internal doors with/without fire requirements as Swedoor, frames and ironmongery; factory painted. Large format acoustic doors to auditorium.

External walls, windows and external doors

According to Rockpanel Metals and Lines, copper and aluminium cladding panels and sheets will be installed; ext. doors and windows: wood-aluminium elements as Storke standard colour from the factory; doors in warehouse: galvanized steel door; windows and doors are sealed externally with sealing tape

Note: There are many other companies that can supply copper and aluminium cladding panels. All of these companies are located outside of Bulgaria.

Internal finishes

Wall, floor and ceiling finishes throughout; WOODWORKS Radial ceilings of Armstrong ceiling forms a finished ceiling, with a finished lacquered perforated surface; Specialist panelling in auditorium and enhanced finishes in public foyer areas; provision for acoustic treatment; painting is carried out as requested; wooden concrete ceilings such as 25 mm are set up; Troldekt acoustic panels, fine structure, 600*1200 mm; in toilets, an acoustic ceiling is set up directly on the hollow deck.

Retractable seating and walls

According to Audisa, retractable seating system with 200 Regal or other type of chairs will be established.

According to Accordial, PremierWall will be established. Retractable top and bottom seals are utilised.

Substructure is carried out in light construction finished with floor chips (or floor plaster) and linoleum.

Note: There are many other companies that can supply retractable seating and walls. All of these companies are located outside of Bulgaria.

Roof completion

gutters and downspouts: galvanized steel.

Floor coverings

2m x 1m and 1m x 1m of min. 37 mm floor thickness of Harlequin liberty before inclusion of chosen finish, Latchloc, wood tone floors for the hall and the open auditorium space, or 2.5 mm linoleum, colours: as requested in the tender material.

Other rooms:	laminated flooring as requested.
Stores:	Vinyl as tender or equivalent
Toilet:	Tiled floor
Cleaning and warehouses:	Painted concrete floor as tender

Fixed furniture and equipment

Fixed fittings in box office, dressing rooms; cloakroom; workshops; front and back bars; servery counters; lockers and main information point.

Specialist installations

Stage engineering; lighting bridges, equipment bars and variable acoustics systems in audience areas; sound & communications incl. AV installation; specialist lighting.

Mechanical services

In general

Materials and components are chosen based on a desire for longevity, possible renewal, such as reusability, avoiding unwanted substances, minimizing energy consumption, ensuring optimal working environment conditions, etc.

Sanitary ware

Rainwater installation

Soil, waste and vent installation

Hot and cold-water services

HVAC

Toilet ventilation

Smoke extract over stage areas and in basement

Gas installations

Sprinklers to all areas excl. auditorium

Electrical services

In general

the electrical installations are carried out in accordance with current standards, the high current order, and the building program requirements. A TN-S system is carried out. Connection cables are in system TN-C. In all primary rooms, hidden cable installation is carried out. In technical rooms, etc. a neat visible installation is carried out.

Mains and sub-mains distribution
Small power installation
Power to mechanical services
Power to stage engineering
Lighting including cabling and controls
Emergency lighting
Earthing & bonding: including clean earth
Lightning protection
Fire detection and alarms
Public address system
Voice and data cabling only no active equipment
TV satellite system
Disabled toilet alarms
Disabled refuge system
Induction loops
Access control, CCTV and security detection
Communication systems containment

Low current installations **ABA and Warning System.**

Installation of the ABA system awaits requirements from the fire authority. A warning system is installed.

Abv plant

Installation for automatic fire ventilation is carried out.

Aia facility

An automatic burglar alarm system is established.

Antenna system.

Antenna cables are brought forward and antenna plugs are set aside.

Special installations

Av system

A loudspeaker system will be delivered and established.

Video surveillance

Video surveillance will be provided.

CTS

A complete CTS system has been installed to control the following systems:

Water system

Heating system incl. room management in primary rooms.

Ventilation system

AIA facility

The system is delivered incl. PC with accessories.

The system is delivered with screens and usage times, which are agreed with the users.

Landscaping

120 m2 allowance for landscaping at the back of the building.

Utilities connections

Allowance for utilities connections including electric, gas, telecoms and drainage.

External drainage

Allowance for below ground drainage.

Spillage and rainwater sewer system is carried out as a separate system in PP pipes with PP/PE wells connected to the existing drainage system.

Terrain deck

The terrain deck is made as a 200 mm self-supporting reinforced toadstool deck in concrete on 300 mm insulation and 150 mm capillary breaking layer, radon protection of the ground cover is carried out.

Surfaces

Fortifications/Coverings in terrain

On the entrance side (General Gurko str.) and Tzar Ivan Assen Street side, paving is carried up to the start of entrance stair. Covering of entrance stair and the open aud. is laid out with required tiles or mudstone.

Approximate cost estimate of the Experimental Puppetry Arts Centre, Stara Zagora, Bulgaria.

Cost of basic construction: The average cost of construction in Bulgaria for a quality building with construction done, wall plastered, and ceilings done is 350-475 Euros per m².

Additional costs: The additional costs of construction like bathrooms and all others come to another 100-150 Euros per m².

Therefore, a new basic construction costs an average of 450-575 Euros per m², as long as materials and labour's cost are increasing significantly.

Basically, building a multipurpose hall with its backstage functions and complementary spaces cost about 50-60% of the whole cost of any building, as long as specific long-span structure, engineering installations, special finishes and building materials need to be installed in such structures. Therefore, an additional 100%-120% of the square metre construction cost will be added to build new halls.

This does not cover transporting and installing retractable walls, seating, copper and aluminium cladding panels, if Bulgarian construction companies cannot provide these structural and finishing elements.

Since basement construction and specialized amenities add to the cost of the construction, the average value of (990-1265 Euros per m²) is taken.

Thus, at ~1563 square metres of space, the approximate cost of construction at 1127.5 Euros per square metre comes out to 1.762 million Euros. (1.762.000 Euros).