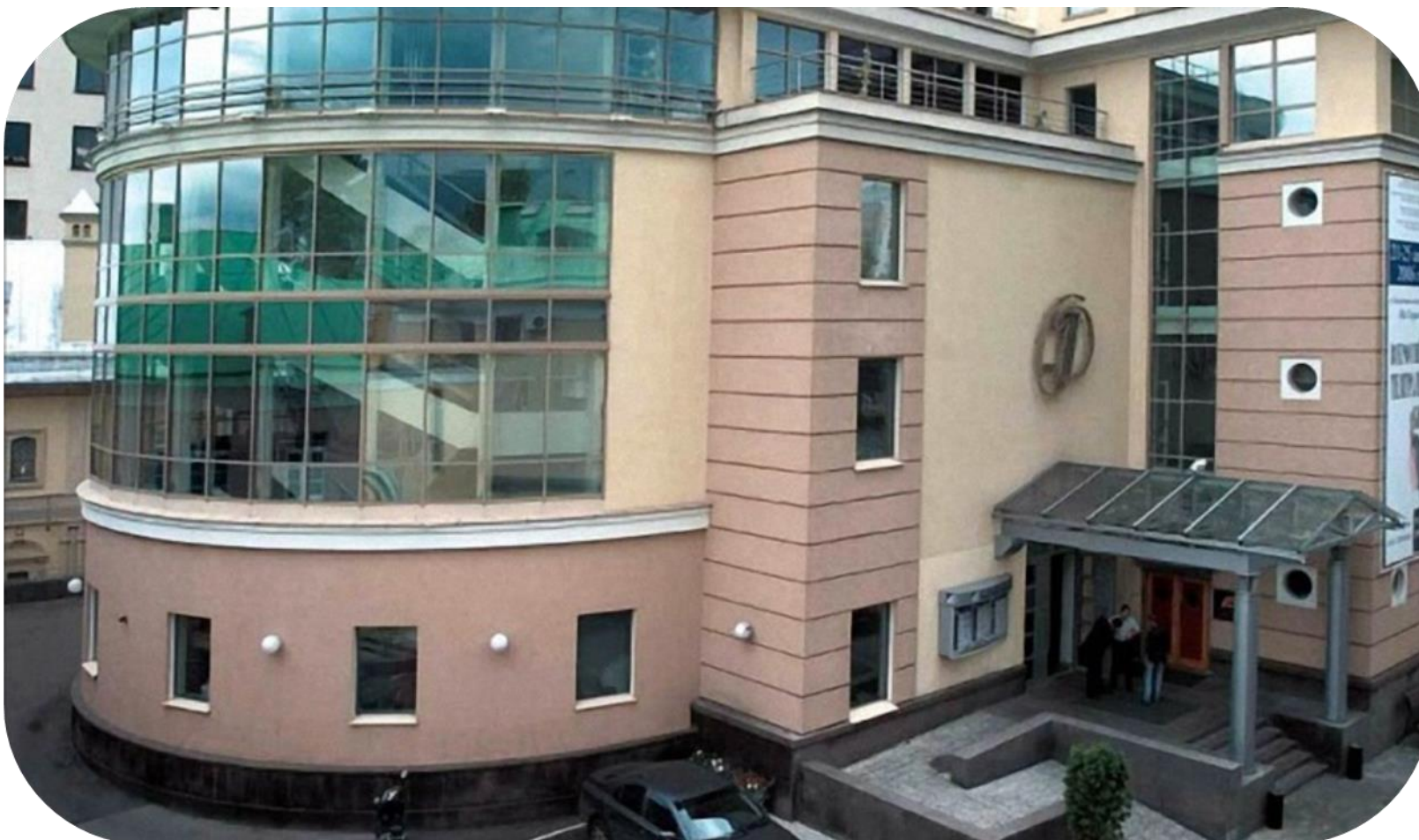


ТЕАТРАЛЬНЫЙ ЦЕНТР НА СТРАСТИ М

Technical specifications

This document is destined to the technical crew of theatre companies.

The specifications may change and will be updated when necessary.



The Theatre Center "Na Strastnom" of the Theatre Union of Russia is a unique non-commercial space in Moscow. Its founder and curator is the Theatre Union of Russia and its President Alexander Kalyagin himself.

The Theatre Center is the interface of the Theatre Union the support of which gives way to classic and contemporary theatre projects, diverse in genre and form.

Contents:

Contents:..... 3

Contact information: 5

STAGE: General information 6

 Transformable stage: 8

 Grid: 9

 Rigging:..... 11

 Stage curtains:..... 12

 Address and directions: 14

 Loading/unloading zone:..... 15

 Transport and parking: 15

AUDIENCE HALL: General information 16

 Audience seating scheme:..... 17

LIGHTS AND ELECTRICS: General information 18

 Light plot of the main stage: 19

 Lighting equipment list of the main stage: 20

ACOUSTICS AND SOUND: General information 21

 Acoustic parameters: 21

 Mixing board placement:..... 22

 Mixing board, effects and playback:..... 22

 Microphones and switching:..... 24

 Wireless signal frequency:..... 24

 Musical instruments and orchestra equipment:..... 25

 PA and amplifiers:..... 25

 Stage sound equipment wiring:..... 26

 Mixing board patch:..... 27

PA wiring:.....	28
Guest sound equipment patch-in:	29
Intercom:.....	29
VIDEO: General information.....	29
Video equipment list:	29
Guest video media patch-in:	31
Projection screen:.....	31
Video projection:	31
Subtitling:.....	32
DRESSING ROOMS: General information	33
Costumes cleaning and ironing:.....	33
SAFETY REGULATIONS: General information	33
Rules of using electric elements of props, set etc.	34
Emergency lighting:	34
Emergency alert:.....	34
Emergency exits:	34
Smoking:	34
OTHER INFORMATION:	35
Radio:	35
Wi-Fi routers and guest Wi-Fi:.....	35
Catering:	35

General information:

Administration: +7 495 694 13 46 adm.nastrastnom@gmail.com

Security service: +7 915 069 35 61

The technical direction of the Theatre Center may ask in advance for the following information:

- Technical rider of the performance. You can receive a standard form from the project manager.
- Technical specifications on the set, any structure or equipment used in the performance.
- Flameproof of the set, structures and props
- Specifications and certification of special effects (fog machines, snow machines, bubble machines, lasers etc.), tricks equipment, licensing and permits of the staff manipulating such equipment
- Technical schedules and plannings
- Light plot
- Rigging plot with all the weights and rigging points
- Electric equipment connection with indication of load and connection type
- List of administrative, artistic and technical team, information on the vehicle

**BEFORE SIGNING ANY DOCUMENTS,
YOU ARE KINDLY REQUESTED TO DISCUSS EVERYTHING IN DETAIL WITH YOUR PROJECT MANAGER**

STAGE: General information

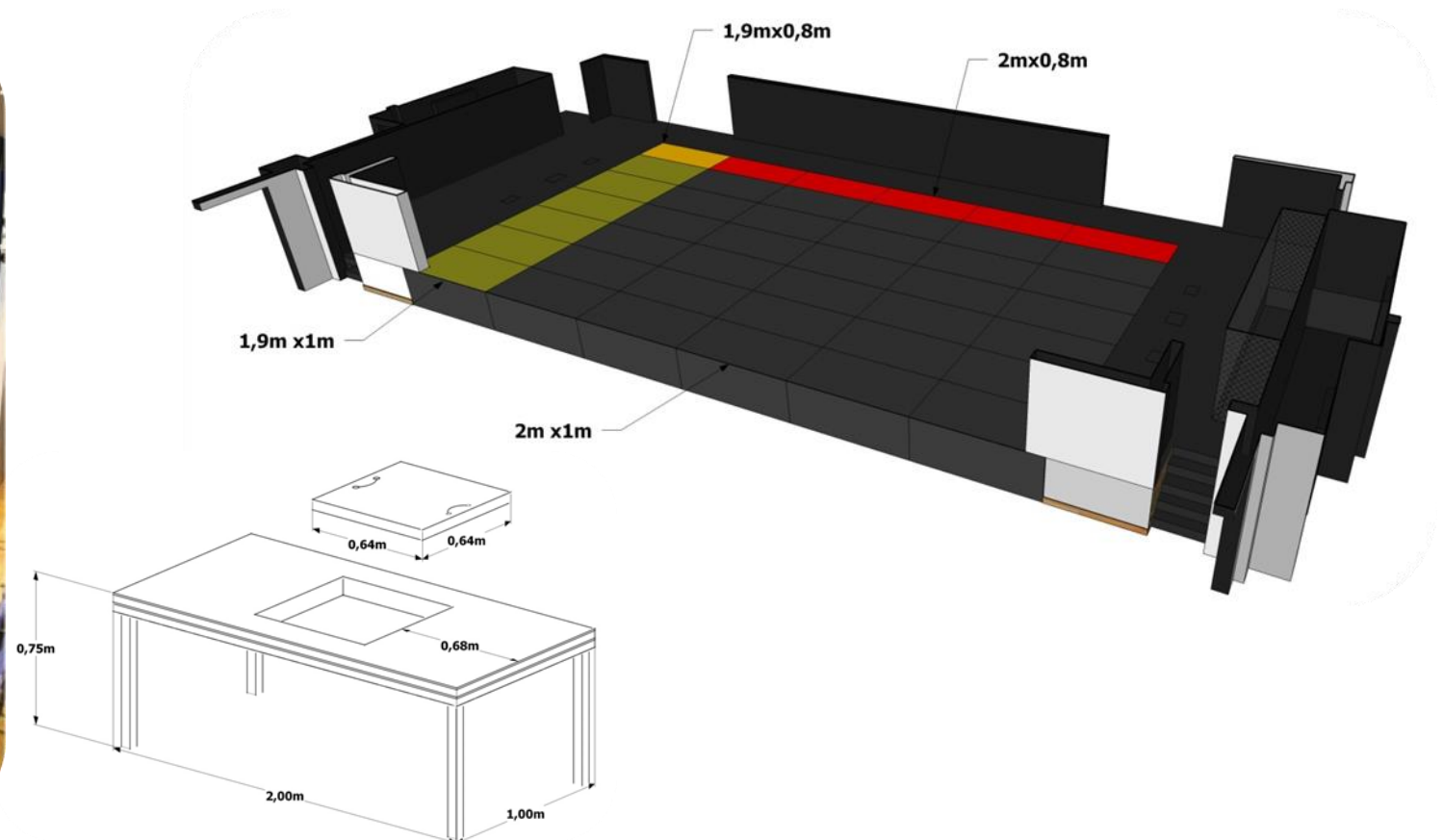
- The stage of the Theatre Center is a classic "black box" without a fixed apron. You can watch a video presentation of the Theatre Center online [here](#).
- The stage and the audience seats can be completely dismantled if needed. They can also be arranged according to your needs (see «Audience hall»)
- The stage is equipped with curtains (see «Stage curtains»), manual and motorized flybars (see «Grid») and an automatic fire extinguishment system.
- Behind the stage there is a working area of 50 sq.m. for props and costumes storage during a performance. This area is connected with the stage by 2 doors of 2 x 2,36 m.

- **Please consider the difference in height between the stage level and the working space = 0,75m.**
- **Stage right there is a black grand piano. If you need to free this space, please tell us about it in advance.**



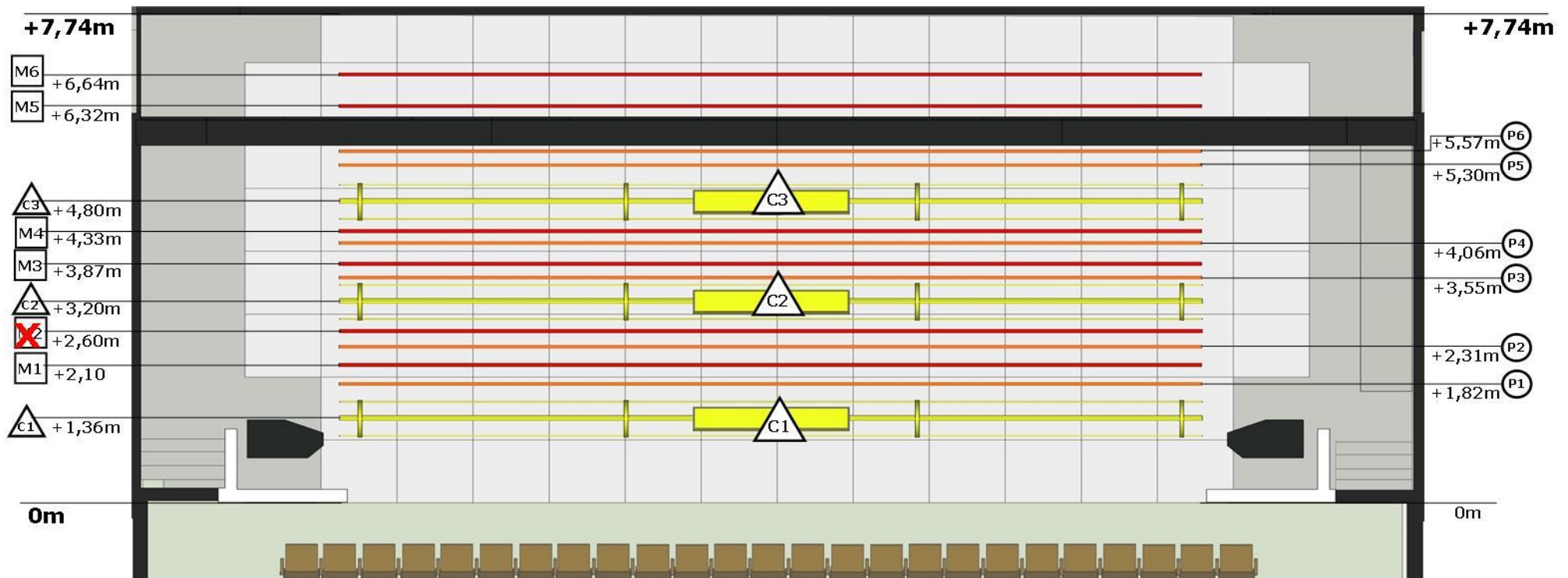
Transformable stage:

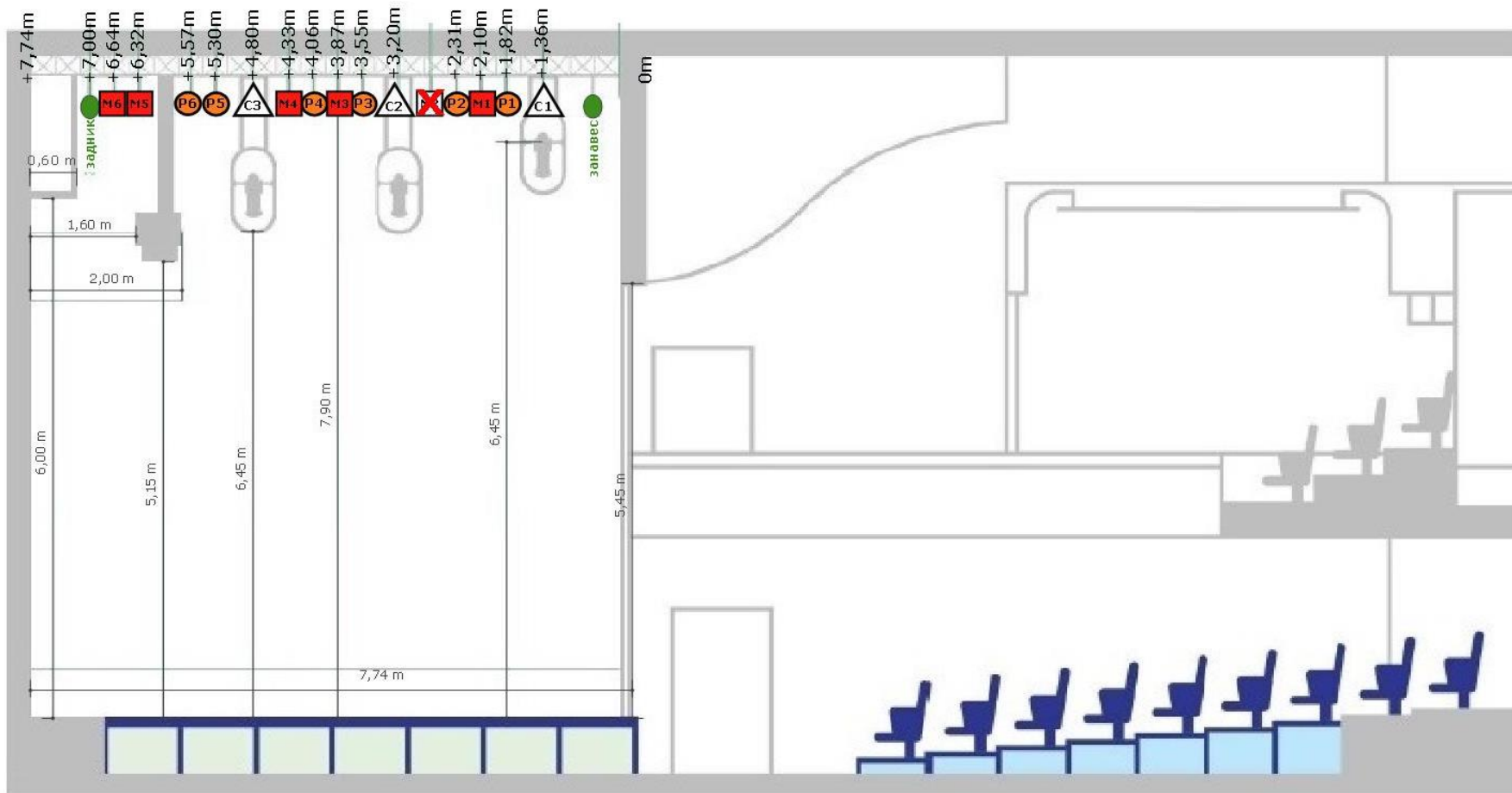
- The stage is dismountable and transformable and consists of standard stage modules Tuechler 75 cm high. See the drawings below.
- The stage is made of wood painted in black, allows screwing up to 40 mm deep. The parquet floor underneath can not be screwed into and must be protected from water or paint. In case of using water onstage, it is obligatory to cover the floor with plastic film.
- It is possible to install a trap 70 cm deep.
- Please mind that the theatre can not provide additional weights for the set rigging.



Grid:

- 6 manual flybars (steel pipes). Length – 11 m., diameter 58 mm, maximum load-lifting capacity 100 kg
- 5 motorized flybars. Length – 11 m., maximum load-lifting capacity 250 kg. Steel section, H160xW50mm. Lifting time =18 sec.
- Maximum lifting height – 7,9 m.
- Minimal lifting height of the manual flybars – 0.95m, motorized flybars – 0,85m
- 3 motorized light bridges, load-lifting capacity –150 kg, diameter – 58mm
- Projection screen – 6m x 5 m., white, motorized, unrolling, reaches the stage level. [\(see «Projection screen»\)](#)

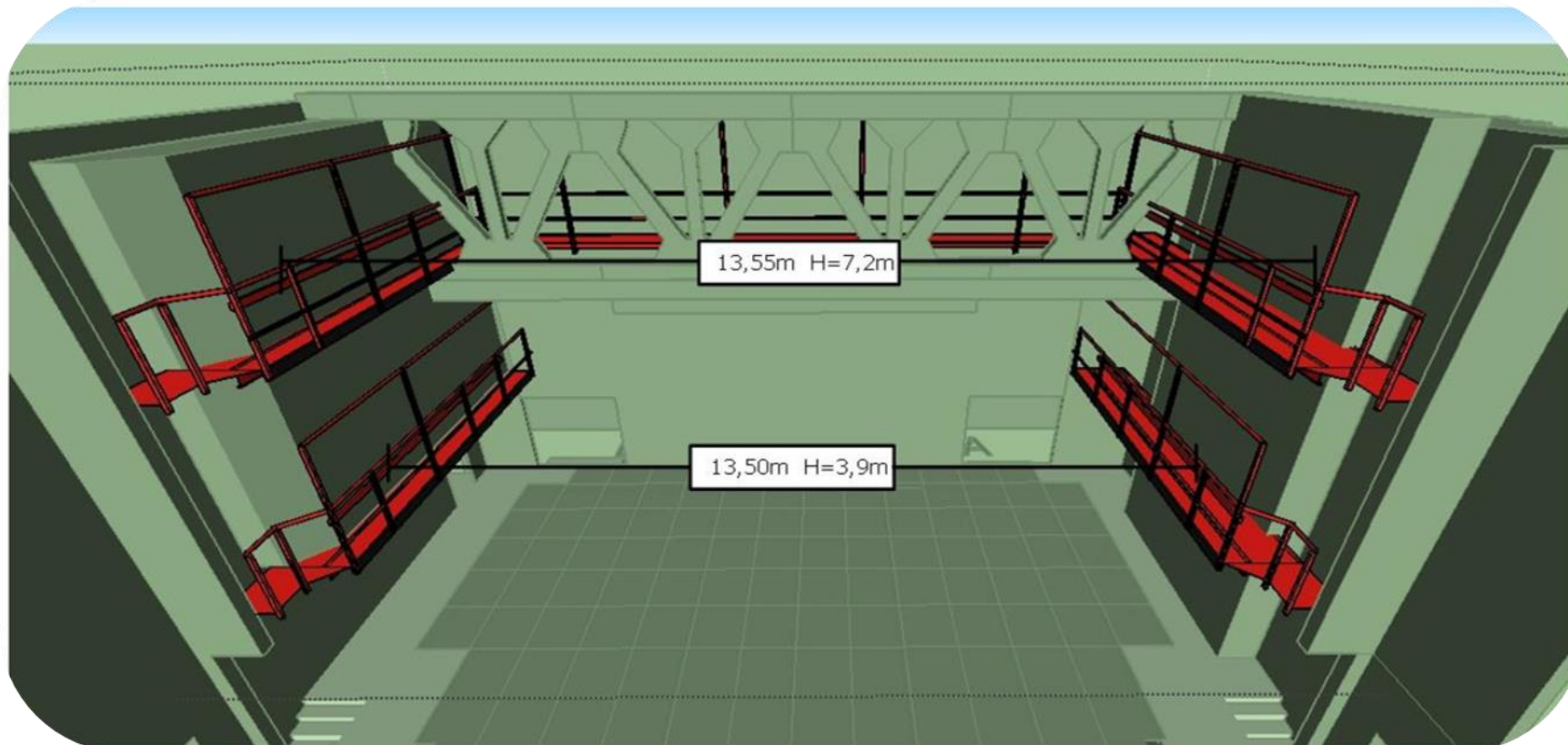




- **Load at flybars and light bridges can not exceed the specified load.**
- **The galleries can be accessed only by certified personnel with personal safety equipment and knowing the safety instructions of the Theatre Center.**
- **All the instruments and the equipment used in the grid must be well fixed to prevent them from falling down.**
- **The technical crew can announce a show stop in cases of life or health danger for performers, spectators or personnel, or to prevent damage of the property or technical equipment of the Theatre Center.**

Rigging:

- The rigging complex of the Theatre Center allows fixing of horizontal ropes on the working galleries pipes, at the distance of 2 m from the portals, to the backwall of the stage at 3,9 m high (second gallery level) and 7,2m (third gallery level)



- Any hanging piece, point hoist, fixed motorized winch must be discussed in advance with the technical direction of the Theatre Center**

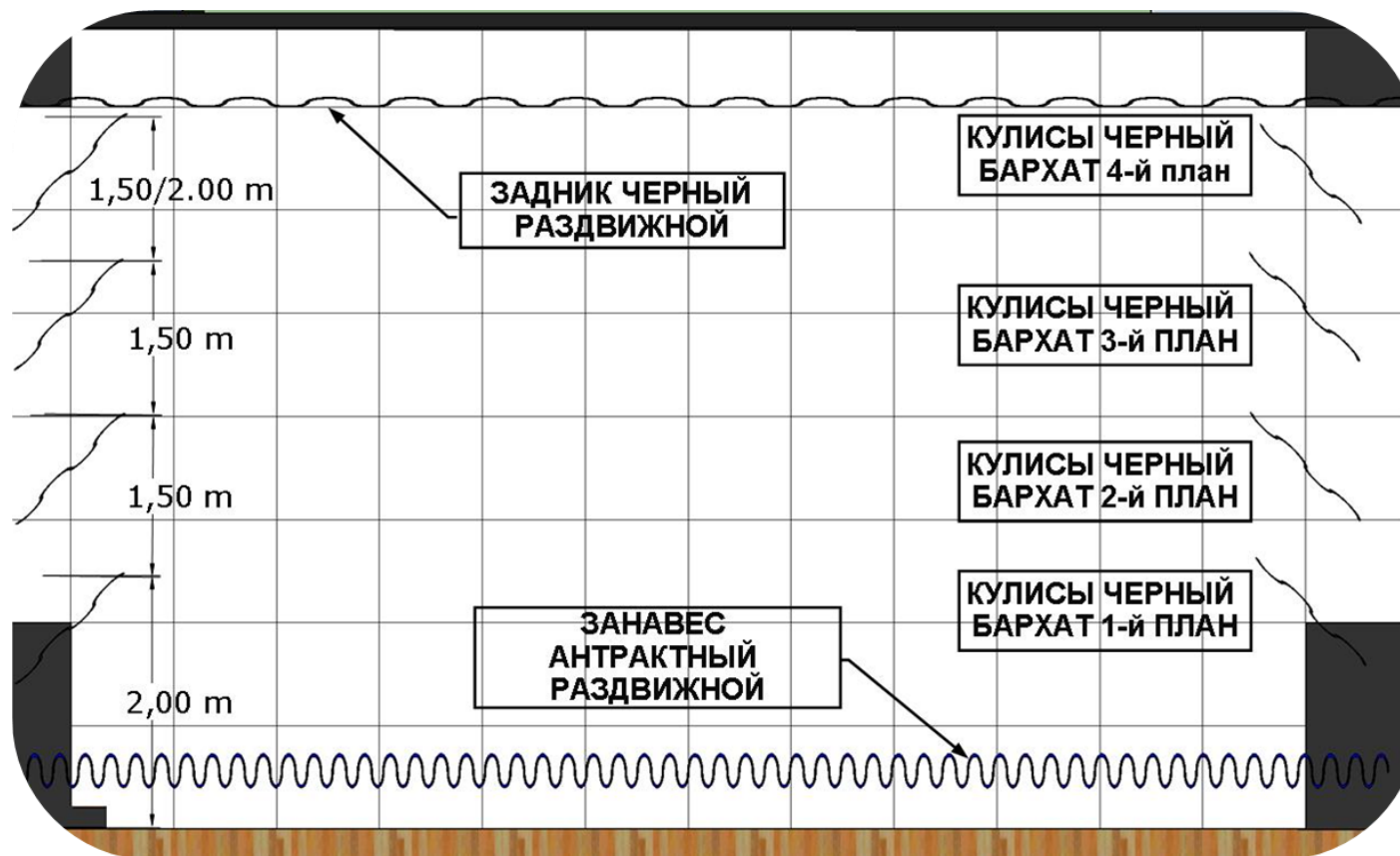
Stage curtains:

- Blue velvet motorized traveler house curtain. Full opening/closing time – 11 sec.
- Blue velvet teaser



4 legs lines:

- - 6 legs (3 stage left, 3 stage right) – 8m x 1,6m at the distance of 1,5m.
- - 2 legs (1 stage left, 1 stage right) – 5,5m x 1,6m at a variable distance of 1,5 up to 2,0 m
- - Black velvet manual traveler backdrop – 2 pieces 8m x 8m., at 1m from the backwall.
- - 3 borders – 11m x 2,1 m, can be hanged on any of the flybars (see «Grid»).



Address and directions:

107031, Russia, Moscow, Strastnoy boulevard 8 A

Nearest metro stations: Tchekhovskaya (170m, line 9), Poushkinskaya (370m, line 7), Тверская (440m, line 2)

GPS: 55°45'59"N, 37°36'39"E



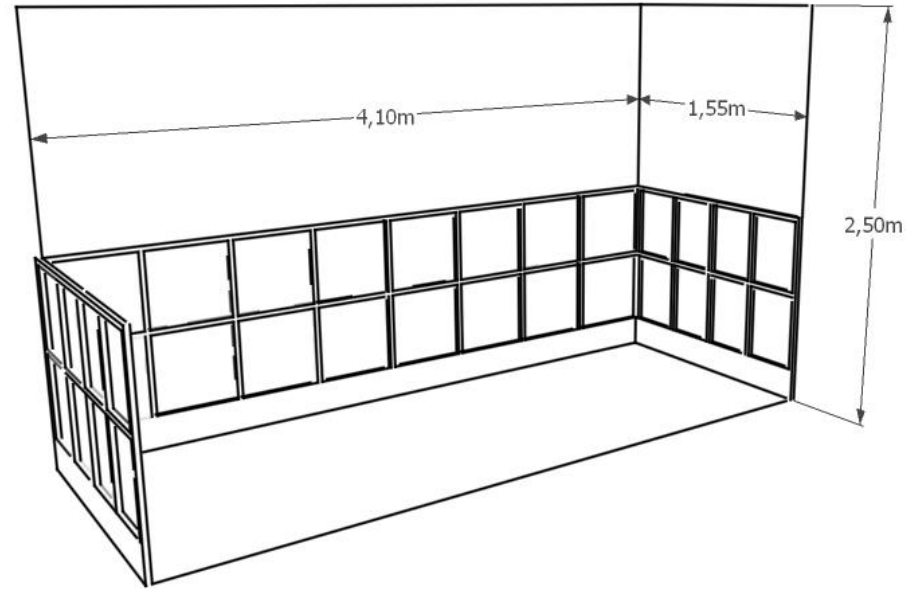
The Theatre Center can be accessed from the Strastnoy boulevard and is equipped with a barrier. The parking attendants working hours: 8:00-23:00. Please inform the parking attendants that you come to the Theatre Center and if you need the load-in zone (load-in of set, props, costumes, equipment) or the main entrance (small props, promotional materials).

Load-in/load out:

The load-in zone is situated at the back of the Theatre Center. There is no arches or height limits on the way.

Load-in/out zone is equipped with a ramp 66 cm high and a folding door at the ground floor. The service elevator dimensions are 4,10 x 1,5 x 2,5 m.

Maximum load capacity of the elevator is – 2000kg.



Vehicles and parking:

The Theatre Center "Na Strastnom" does not own a parking lot. The administration of the Theatre Center must be informed about any arriving vehicle beforehand.

The Theatre Center being situated in the center of Moscow, it is impossible for vehicles longer than 6 m to enter the load-in/out area.

Recommended dimensions of vehicles: length up to 4 m, width up to 2 m, height not limited.

If you come in a car, it is not possible to leave the car at the parking for more than 15 minutes, unless an arrangement has been made beforehand with the administration of the Theatre Center.

AUDIENCE HALL: General information



Stalls — 292 seats

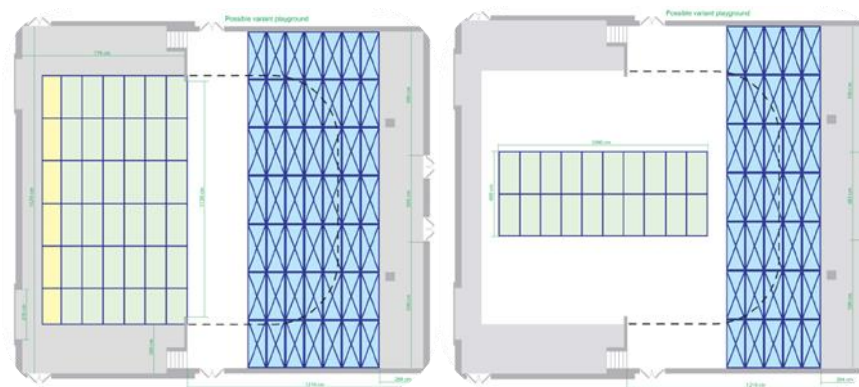
Balcony — 98 seats

There are two entrances to the stage from the audience hall. Stairs can be placed in front of the stage.

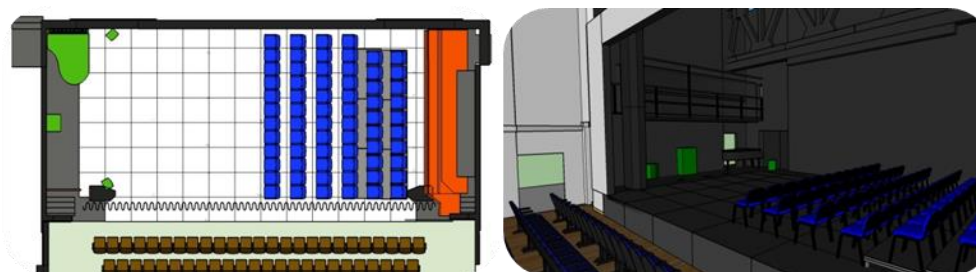
The audience hall floor is light-coloured parquet.

The stage and the audience hall are transformable, built up of stage modules 1x2 m.

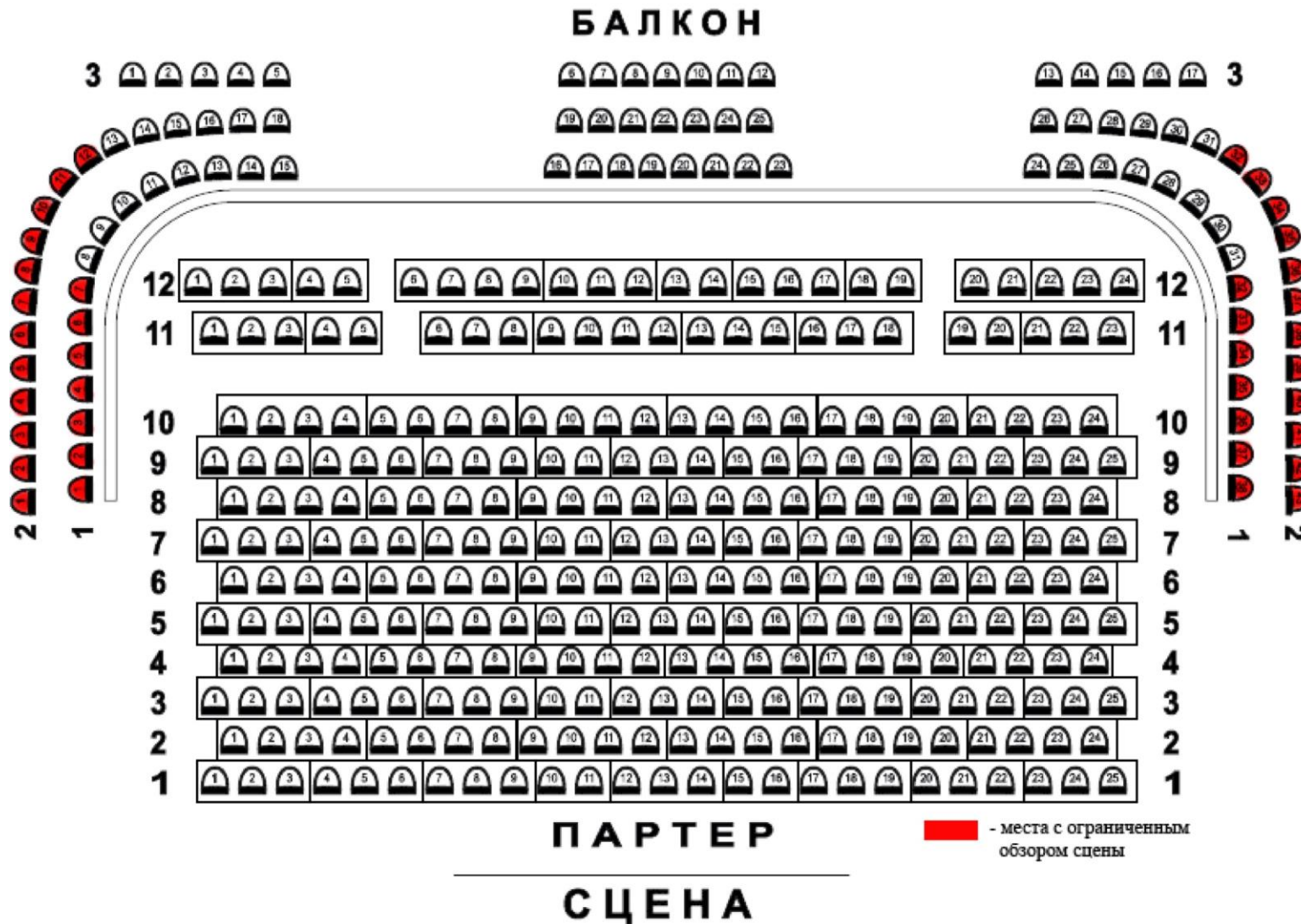
Types of audience and stage layout



There is also a possibility to place the audience seats onstage.



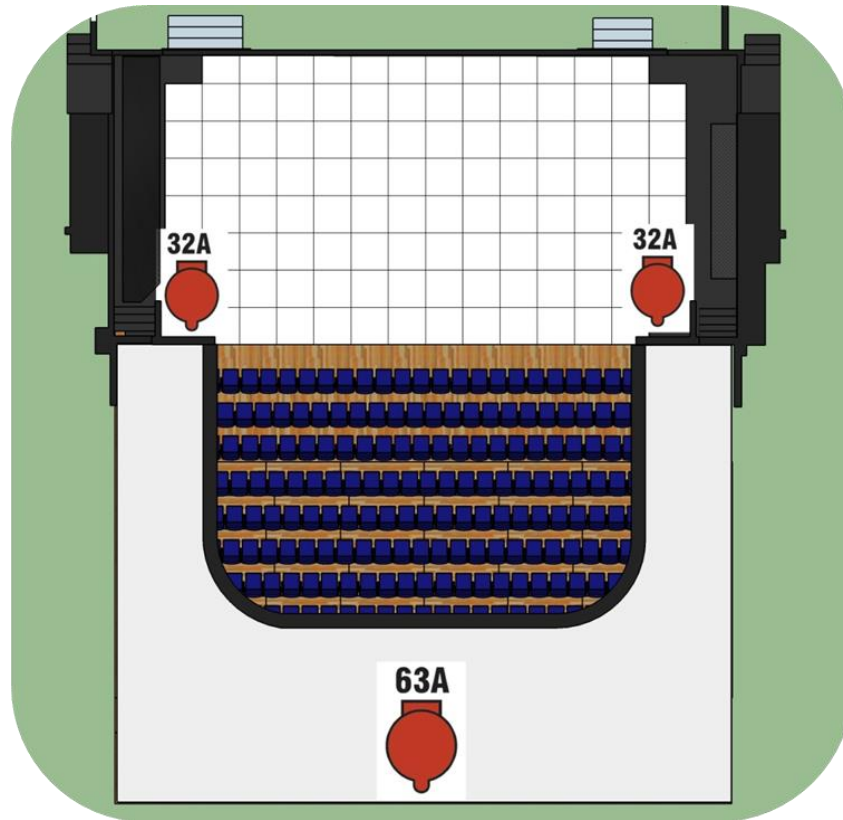
Audience seating plan:



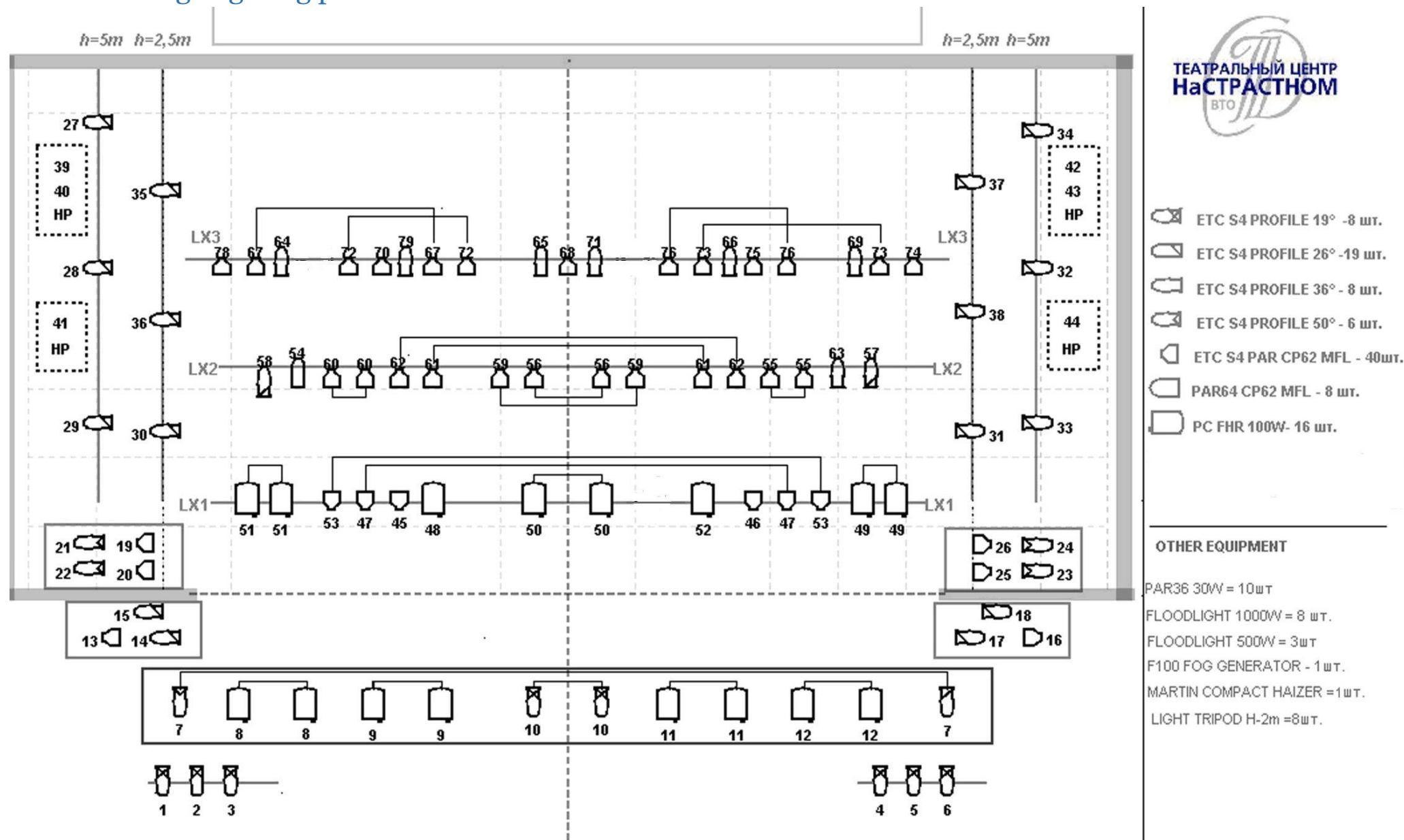
- Please note that, if needed, the seats can be demounted **ONLY BY SECTIONS**. Please discuss this possibility with a Theatre Center manager.

LIGHTING EQUIPMENT and ELECTRICITY: General information

- The distribution circuit of the stage of the Theatre Center has several power connections and a multilevel control.
- The stage is equipped with two high-voltage connections 380VCEE 32A 3PIN+N+EIP44 и 380V CEE 20A 3PIN+N+EIP44
- The audience balcony is equipped with one connection 380VCEE 63A3PIN+N+EIP44



The main stage lighting plot:



Lighting equipment list (stage):

#	description	Q.ty	Model	Note
LIGHTS				
1.	Profile	8	ETC S4 PROFILE 19°	
2.	Profile	19	ETC S4 PROFILE 26°	
3.	Profile	8	ETC S4 PROFILE 36°	
4.	Profile	6	ETC S4 PROFILE 50°	
5.	PC	16	PC FHR 1000	
6.	PAR	18	PAR64	
7.	Flood	8	FLOODLIGHT AHR 1000W	
8.	Flood		FLOODLIGHT 750W	
9.	Flood	3	FLOODLIGHT 500W	
10	Moving head	1	VARILITE 1000AS SPOT	
11	Moving head	2	VARILIGHT VL2402 WASH	
GRIP				
12	Boom 2 m	8		
13	Floor stand	6		
EFX				
14	Hazer	1	MARTIN COMPACT HAZER	
15	Fog generator	1	F100 FOG GENERATOR	Ручное управление.
16	Ultraviolet lamp	2		
17	Followspot	2		
CONTROL				
18	Lighting board	1	MA ULTRA LIGHT	
19	Lighting board	1	SPARK STANDART	
20	Lighting board	1	GERMAN LIGHT	

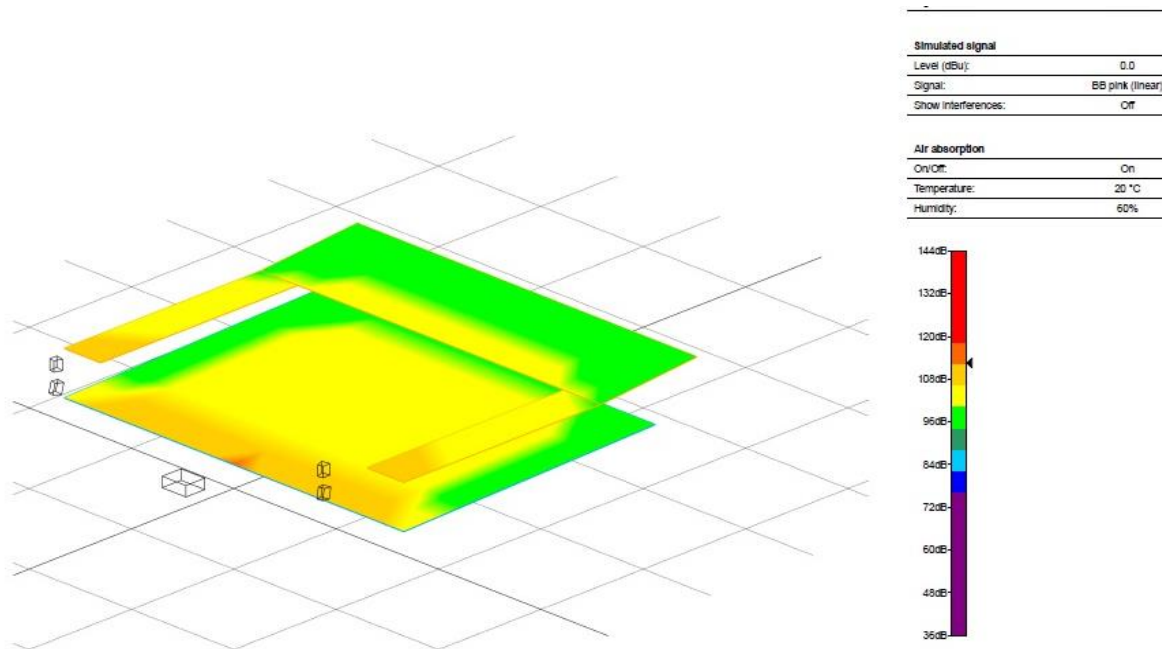
			PRODUCT SCAN OPERATOR 12	
21	Dimmer SVETOCH DDR 12-16 32A 3pin+N+E	1		
22	Dimmer ПРОТОН 7Д 12-16 DMX32A 3pin+N+E	1		

- All equipment is provided with safety ropes and gel frames.

ACOUSTICS AND SOUND EQUIPMENT: General information

The main stage has been purposely designed for unplugged performances. It is also equipped with a PA system, mixing boards, audio programming devices, microphones and cabling.

Volume pressure diagram:



Mixing board positions:

1. Sound control room (standard position of the Allen&HeathGL4000 mixing desk, effect processors and receivers).
 2. Audience balcony (for small units)
- The company mixing desk can be installed in any of the positions above.

Mixing board, effect processors and playback devices:

#	Description	Q.ty	Model	User manual
Mixing boards				
1.	Stationary mixing board (32 Ch / 8 Sub / 10	1	Allen&HeathGL4000	http://www.allen-heath.com/media/GL4000-USER-GUIDE-AP2642_3.pdf

	Aux)			
2.	Additional mixing board (16 Ch / 4 Sub / 6 Aux)	1	Allen&HeathGL2000	http://www.allen-heath.com/media/GL2000-USER-MANUAL-AP2548_2.pdf
PLAYBACK EQUIPMENT				
3.	Laptop. Playback in formats WAV 44.100khz, MP3 320kbps	1	AsusK72F	http://www.lpmanual.com/manuals/asus/ASUS_K72F.pdf
4.	Laptop. Playback in formats WAV 44.100khz, MP3 320kbps	1	AsusN56VB	http://dlcdnet.asus.com/pub/ASUS/nb/N56VB/E_eManual_N56VB_VER6951.pdf
5.	CD player	1	TASCAMCD-450	http://tascam.com/content/downloads/products/377/CD-450_manual.pdf
6.	CD/MD recorder/player	1	TASCAMMD CD1 MKII	http://tascam.com/content/downloads/products/214/MD-CD1_manual.pdf
7.	MD recorder/player	2	SonyMDS-E12	http://www.minidisc.org/sony_mdse12_manual.pdf
EFFECTS/PROCESSING				
8.	Effect processor	1	TC Electronics M One	http://cdn-downloads.tcelectronic.com/media/684617/tcelectronic-m-one-manual-english.pdf
9.	Effect processor	1	TCElectronicsM3000	http://cdn-downloads.tcelectronic.com/media/217610/tc_electronic_m3000_manual_english.pdf
10.	2-channel compressor	2	dbx 1066	ftp://ftp.dbxpro.com/pub/pdfs/Manuals/English/dbx1066ManualA2.pdf
11.	2-channel de-esser	2	SPL 9629	https://spl.info/fileadmin/user_upload/anleitungen/english/DeEsser_9629_OM_E.pdf

Microphones and cabling:

№	Description	Q.ty	Model
1.	Microphone	1	Sennheiser e935
2.	Wired microphone	1	Sennheiser e945
3.	Wired microphone	2	Shure Beta 58a
4.	Wired instrument microphone	5	Shure Beta 57a
5.	Wired microphone	1	Shure Beta 52
6.	Wired microphone	2	Shure SM58
7.	Black clip-on microphone for Sennheiser EM 100 G2	1	SennheiserME 4
8.	Headset SennheiserEM 100 G2	1	SennheiserME 3
9.	Hanging microphone 10 m	3	AKGCHM21
10.	Hanging microphone 10 m	1	AKGCHM99
11.	Microphone stand with arm	10	
12.	Straight microphone stand	2	
13.	Desktop microphone stand	6	
14.	2-channel DI-box	1	ARTdPDB
15.	Snake 24 in/ 4 out	1	

Audio signal transmission frequencies:

№	Color mark	Transmitter	Operational Frequency	Receiver	Frequency range	User manual
1.	Green	Wireless microphone SennheiserSKM 100 G2 с головой MD 835	538.500 MHz	Receiver SennheiserEw 100 G2 A	518-554 MHz	http://www.tlu.ee/~rajaleid/manuals/Sennheiser_Ew100_ENGG2.pdf
2.	Blue	Wireless microphone SennheiserSKM 100 G2 с головой MD 835	791.000 MHz	Receiver SennheiserEw 100 G2 D	768-822 MHz	
3.	Red	Wireless microphone	667.850	Receiver	626-668 MHz	https://static.bhphotovideo.com/lit_fil

		SennheiserSKM 100 G3 с головой MD 835	MHz	SennheiserEw 100 G3 B		es/74410.pdf
4.	Yellow	Wireless microphone SennheiserSKM 100 G3 с головой MD 835	516.000 MHz	Receiver SennheiserEw 100 G3 A	516-558 MHz	
5.		Pocket transmitter SennheiserSK 100 G2	660.600 MHz	Receiver SennheiserEw 100 G2B	626-662 MHz	

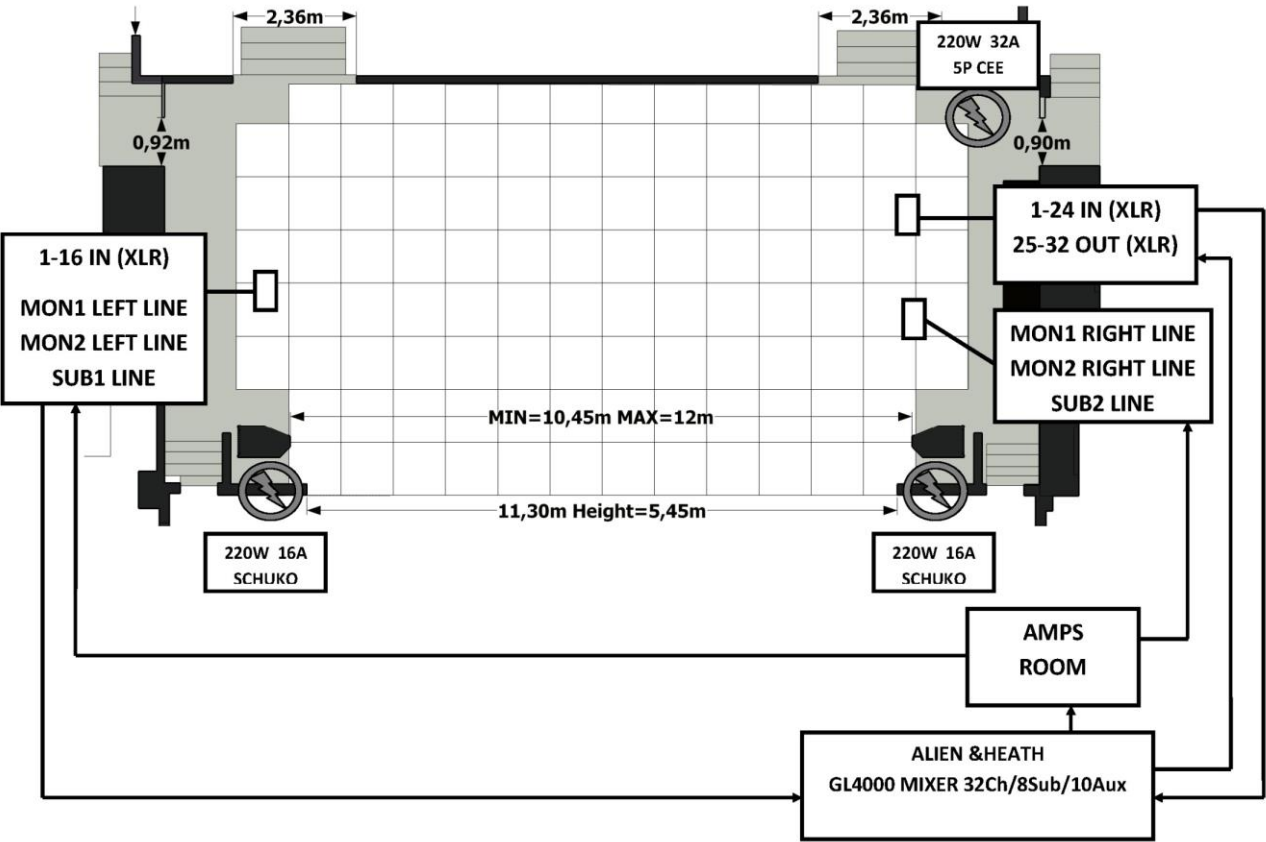
Musical instruments and orchestra equipment:

- There is a black stationary grand piano AUGUSTFURSTER onstage. Please discuss the possibility of the tuning with a Theatre Center manager.
- There is a piano LIRIKA in the backstage area, used mainly for rehearsals.

PA and amplifiers:

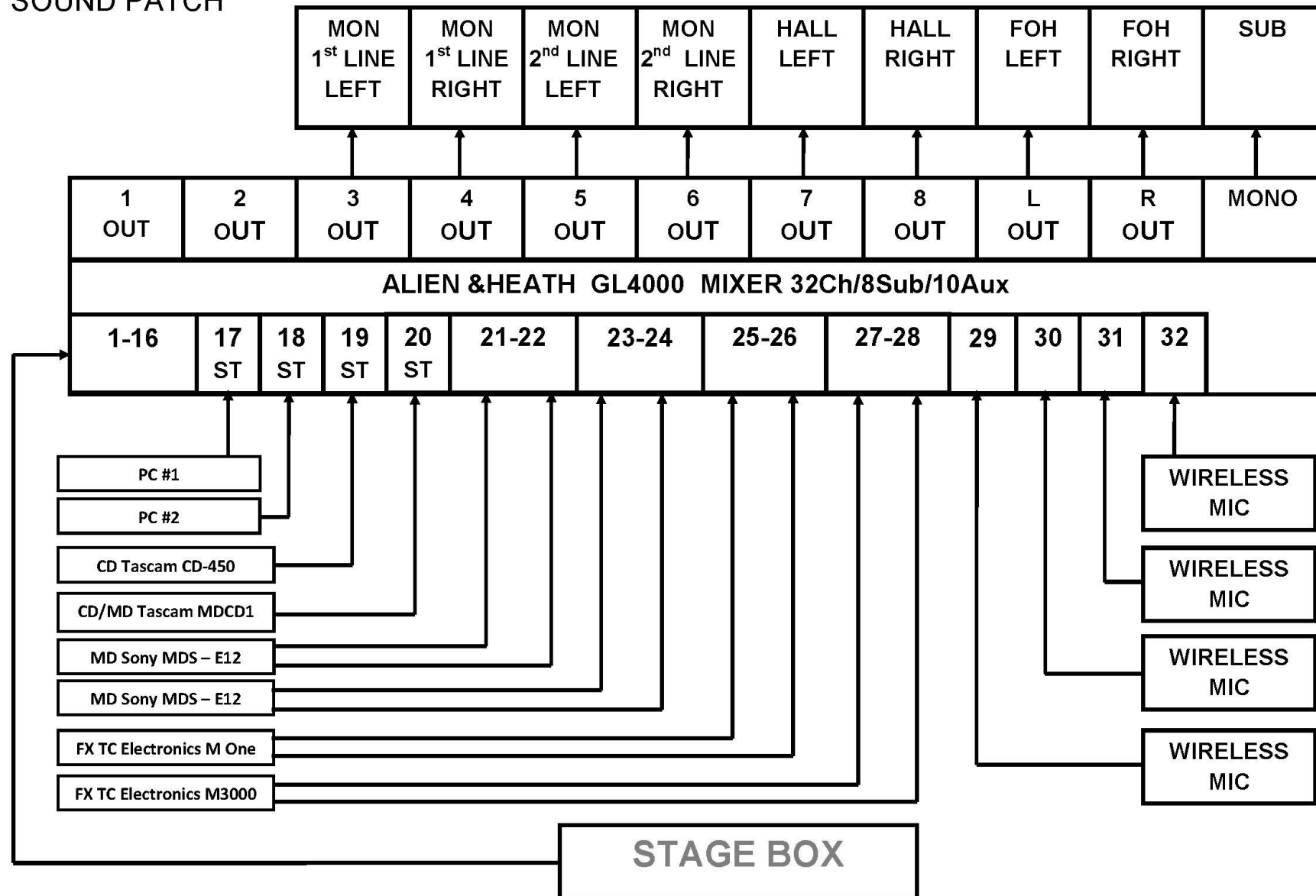
№	Description	Q.ty	Model
1.	Frontal speakers	4 Cab	L-Acoustics MTD 115a
2.	Subwoofer	1 Cab	L-Acoustics SB218
3.	Amplifier	3	L-Acoustics LA24a
4.	PA Auditorium left/right/back	8 Cab	HortusVS 8E
5.	Amplifier	2	L-AcousticsLA15 a
6.	Stage monitors (first line)	2 Cab	L'Acoustics EX-112
7.	Stage monitors (second line)	2 Cab	Media Works
8.	Amplifier	2	L-Acoustics LA17a

Cabling plan for sound equipment onstage:

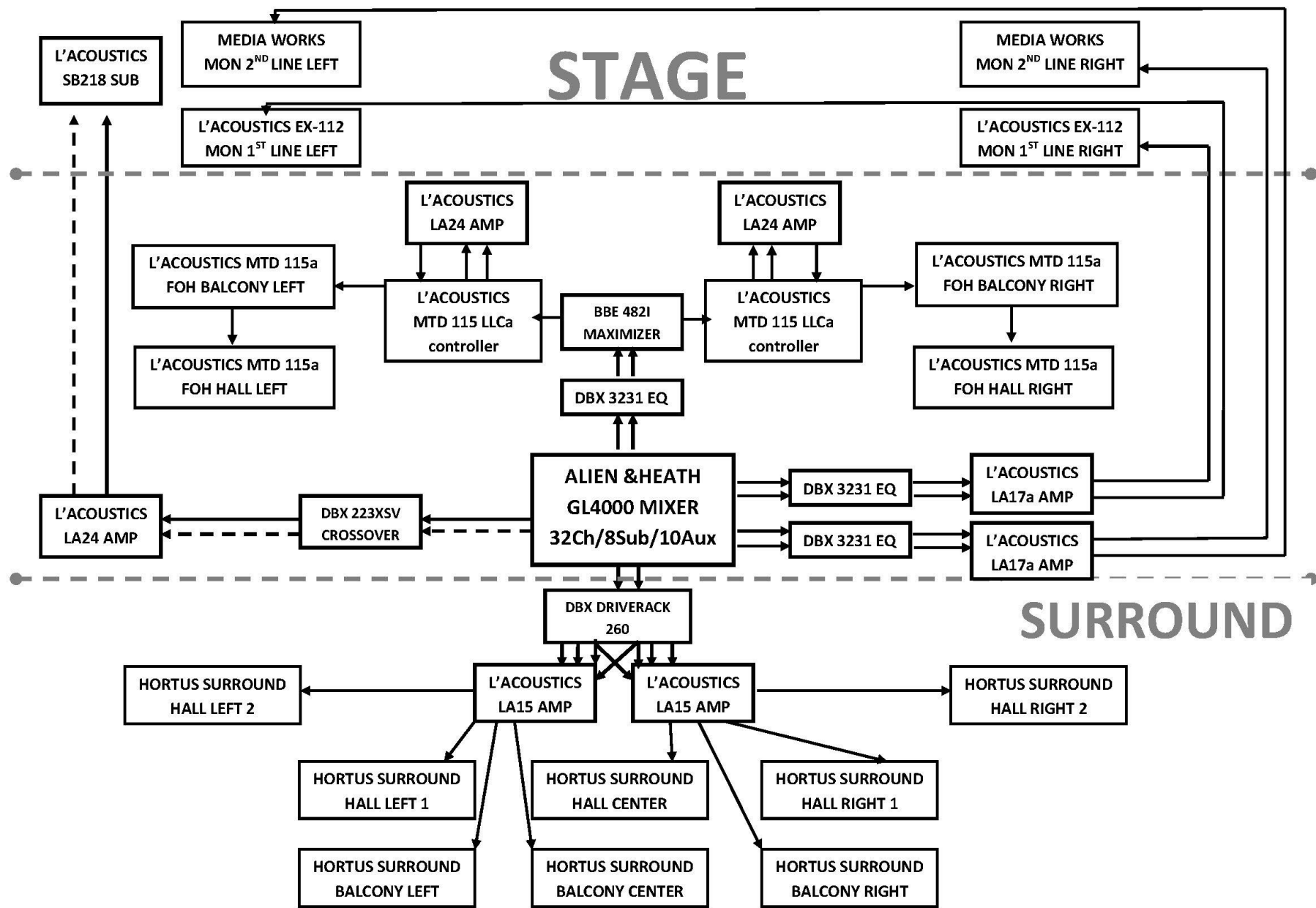


Sound board patch:

SOUND PATCH



PA cabling plan:



Company sound equipment:

Please, discuss the connection of any sound equipment brought by the company with the Theatre Center technical department.

Intercom:

The Theatre Center is equipped with a sound transmitting system and an intercom system TELEX Audiocom SS100, ensuring wired intercommunication between the stage manager onstage position and light and sound control rooms.

VIDEO EQUIPMENT: General information

The Theatre Center is not equipped with fixed video equipment. In case of necessity, there are several fixing points for a videoprojector (a grid rigging system included), a stationary motorized unrolling projection screen fixed on a fly bar and a cabling system to transmit a video signal in Full HD (1920x1080 p, 16:9).

Video equipment list:

#	Model	Q.ty	Description	User manual
PROJECTORS				
1.	Sony VPL-CH370	1	Installation projector with WUXGA resolution Luminosity: 5000 ANSI лм Throw Ratio: 1.5:1 – 2.2:1 Specification: http://www.sony.ru/pro/product/projectors-installation/vpl-ch370/specifications/#specifications	http://www.sony.ru/pro/support/user-guides/1237493277744
2.	Sanyo PLC-XP46	1	Видеопроектор Яркость: 4100 ANSI лм Throw Ratio: 1.7:1 – 2:1 Specification: http://www.allprojectors.ru/ap_module/projectors/projector/1436	http://www.projectorcentral.com/pdf/projector_manual_1629.pdf
CABLING				
3.	Switcher	1	Video signal switcher	https://k.kramerav.com/downloads/manuals/vp-41.pdf

	Kramer 4*1 vga/xga			
4.	Kramer High resolution 1:4	1	Distribution amplifier	https://k.kramerav.com/downloads/manuals/vp-200k_vp-300k_vp-400k.pdf
5.	Video splitter Trendnet TK-V400S	1	4-port VGA signal splitter	http://downloads.trendnet.com/tk-v400s/manual/qig_tk-v400s(english).pdf
6.	Kramer VP-2I	1	Line amplifier for computer graphics video signals with resolutions VGA-UXGA and exceeding. Обеспечивает регулируемую компенсацию потерь сигнала в длинных кабелях	https://k.kramerav.com/downloads/manuals/vp-2I.pdf
7.	Коммутация DVI-VGA*			
8.	Коммутация DVI-HDMI*			
9.	Коммутация VGA-VGA*			
10.	Коммутация HDMI-HDMI*			
ВИДЕОНОСИТЕЛИ				
11.	Ноутбук AsusK72 F	1	Video playback . Video compression standard - H.264	http://www.lpmanual.com/manuals/asus/ASUS_K72F.pdf
12.	DenonDN-V310	1	DVD player	http://xn--d1acyae.xn--p1ai/files/Denon_DN-V210-310_User_Manual.pdf

13.	Pioneer DVR- LX61	1	DVD player	https://data2.manualslib.com/pdf3/58/5733/573213-pioneer/dvrlx61d.pdf?90ea2683649fe9435efc48557158f2b4
-----	-------------------------	---	------------	---

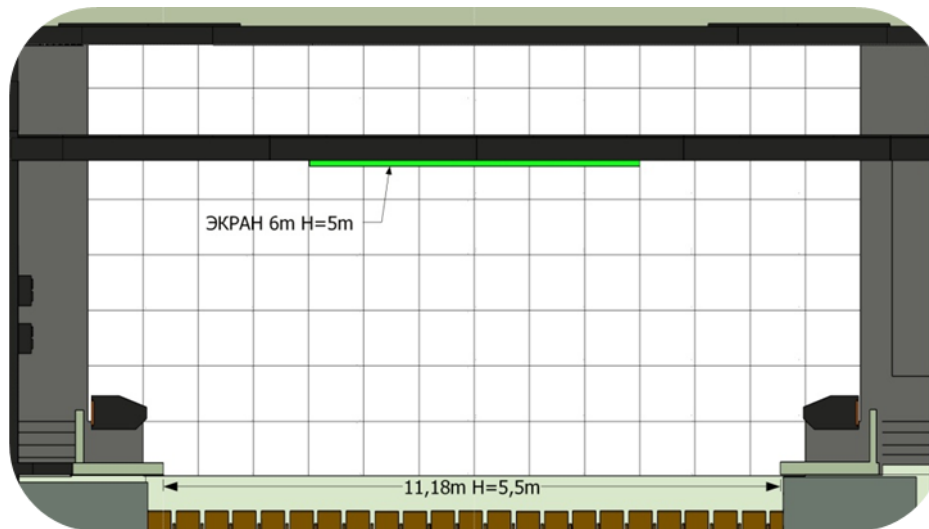
* - consumables – please confirm the quantity in advance with the Theatre Center Technical department.

Company video equipment:

Guest video equipment can be connected to the Theatre Center projection system through the VGA, HDMI, Thunderbolt, DVI and SDI protocols.

Projection screen:

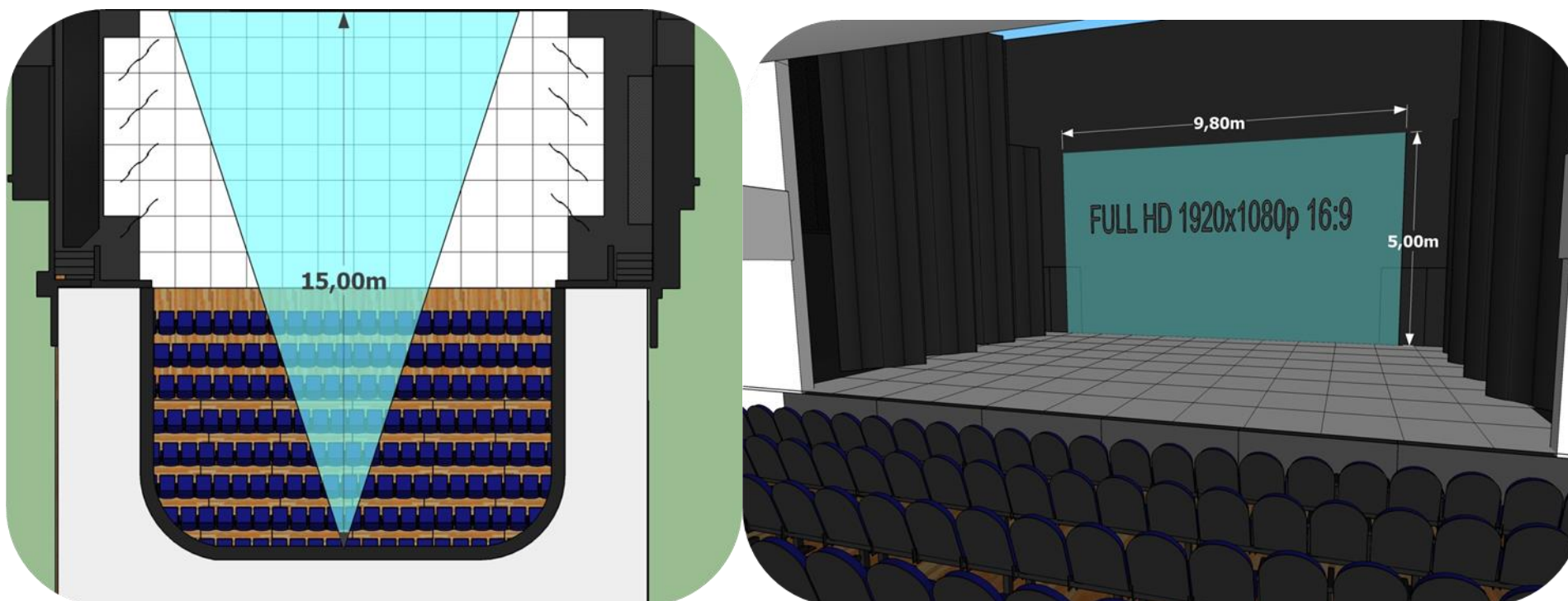
- Stationary motorized unrolling white projection screen (H 5m, W 6 m) is fixed on a fly bar hiegh 5 m above the stage. Not demountable.
- The height of the screen is controlled by a motorized system with an electromechanical gear. Completely unrolled, the screen reaches the stage level.
- The screen system is controlled from the second working gallery level stage right. The full screen unrolling time is 30 seconds.



Video projection:

- Standard position for the video projector is on the audience balcony in the center of the first row, allows to project images 9.8 m wide and 5 m high to the back wall of the stage or to the screen (6 m wide x 5m high).

- The remote control of the video signal can be placed in the light or sound control rooms or onstage.



Surtitle projection:

- To project surtitles, the projector is mounted on the audience balcony. The titles are projected to the backwall or to a mobile black title screen (2,5 x 0,6 m), which can be fixed on any of the fly bars (see «Grid»)
- The title translator's seat is in the center of the first row of the balcony.

Mounting video projection and surtitle equipment on the audience balcony requires cutting from sale several audience seats. Please discuss this with a Theatre Center manager in advance.

DRESSING ROOMS: General information

The Theatre Center is equipped with 4 dressing rooms (in order of the distance from the stage)

- 2 dressing rooms on the 1st floor of the building (№. 205 и 206), closest to the stage. Each dressing room has 6 tables with lights, clothes racks for costumes, individual closets for outer clothing, a sink, loudspeakers and ventilation. WC and an ironing board with an iron are situated next to the rooms.
- 1 dressing room on the 2nd floor (№. 313) with access to the stage through a corridor and stairs. The room is equipped with 13 tables with lighting, individual closets for outer clothing, 2 shower rooms, a WC, loudspeakers and ventilation.
- 1 dressing room on the 2nd floor (№. 316) with access to the stage through a corridor and stairs. The room is equipped with 7 with lighting, individual closets for outer clothing, 2 shower rooms, a WC, loudspeakers and ventilation.
- The keys to the dressing rooms may be kept by the company representative on a previous arrangement with a Theatre Center manager. At the end of the day the keys must be returned to the security desk.
- To ensure the access of the company and technical crew members to the Theatre Center, the company must provide a list with all their names and surnames to a Theatre Center manager.

Costumes cleaning and ironing:

There is no wardrobe department at the Theatre Center. An ironing board with an iron is situated near the dressing rooms.

SAFETY REGULATIONS: General information:

- Any use of open or cold fire, confetti, sparklers, fireworks, air guns, candles, matches, cigarettes, gas burners and other inflammable objects is strictly prohibited (Government decree of the Russian Federation, 25th of April 2012 №390 "On Fire Safety Arrangements", § VI-111).
- It is obligatory to provide to the Theatre Center technical direction the documents confirming the safety compliance of the set and equipment, used during the set up and the performance, the Fire Retardant Treatment Act included.
- Smoking is strictly prohibited.
- Unauthorized connection of any electrical appliance/equipment is strictly prohibited. Any power connection has to be discussed beforehand with the Theatre Center technical direction.
- Storage of any inflammable liquids, inflammable gas and oxygen containers is strictly prohibited.
- Blocking of emergency and other exits by any objects is strictly prohibited.
- Placing additional chairs in the aisles is strictly prohibited without a previous arrangement with the Theatre Center administration.

- In case of violation of the Safety Agreement by the company or of refusal to sign the Agreement, the Theatre Center administration has the right to call off the performance.

Requirements for electrical elements of set, props and other

- The electrical elements of the set must not exceed the voltage of 24V and must be equipped with safety protection.
- The electrical props must not exceed the voltage of 220V and must have grounding.
- Any connection must be soldered (not twist-shortened).
- Heated elements (incandescent lamp) must not be in contact with set or props surface.
- All junction pieces (plugs, connectors etc) must be enclosed.
- All wirework, power strips included, must have double insulation.

Emergency lights:

- The emergency lights are controlled independently from the dimmer network. In case of emergency, they are automatically switched on in the audience hall and in the foyer. This system can not be switched off.
- Emergency exit signs are controlled independently from the dimmer network and can not be switched off.

Emergency alarms:

- Emergency warning and other alarm sounds are transmitted independently of the Theatre Center sound system.
- The emergency alarm system can not be changed or switched off.

Emergency exits:

- The Theatre Center is equipped with standard emergency exit signs, which can not be covered, dimmed or switched off.
- It is prohibited to obstruct the audience hall aisles in any way.

Smoking:

- Smoking is prohibited on the territory of the Theatre Center, including the entrance stairs, the foyer, the stage, the backstage area, the dressing rooms, the WC and any other rooms inside the Theatre Center ([Federal Law of the Russian Federation, 23rd of February 2013 N 15-Φ3](#)). The Theatre Center is equipped with smoke detectors.

OTHER INFORMATION:

Radio:

- The Technical department of the Theatre Center is equipped with radio facilities. Operational frequency 400.500-400.800MHz.
- Please coordinate your working frequency of radio transmission with the Technical department of the Theatre Center.

Wi-Fi routers and guest Wi-Fi:

- The Theatre Center has wireless Internet connection with the speed of 10/15 Mbps

Catering:

- Please discuss the catering of your event with a Theatre Center manager.