LE QUARTZ
SCÈNE NATIONALE BREST

TECHNICAL RIDER
LE GRAND THEATRE

Square Beethoven
BP 91039 – 29210 Brest cedex

Tel
02 98 33 95 00

Telecopy
02 98 33 95 01

Technical
02 98 33 95 52

Internet
http://www.lequartz.com/
SUMMARY

GLOSSARY 2

TECHNICAL CREW 3

TECHNICAL DEPARTMENT SCHEDULE AND SECURITY INSTRUCTIONS 3

THEATER ACCESS 5

CAPACITY AND SIZE 6

STAGE EQUIPMENTS 7

SET ELEVATOR / WORKSHOP 8

PLOT STAGE HOUSE 9

PLOT AND SECTION OF LE GRAND THEATRE 10

MACHINERY EQUIPMENTS 11

DRESSING ROOMS, DRESS WORKSHOP, 12

LIGHT EQUIPMENT 13/14

SOUND/VIDEO EQUIPMENT 15/16

SOUND SYSTEM OF LE GRAND THEATRE 17/18/19
## Technical Crew:

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Director</td>
<td>Jean-Michel Le Lez</td>
<td><a href="mailto:jean-michel.le-lez@lequartz.com">jean-michel.le-lez@lequartz.com</a></td>
</tr>
<tr>
<td>Technical Assistant</td>
<td>Odile Derrien</td>
<td><a href="mailto:odile.derrien@lequartz.com">odile.derrien@lequartz.com</a></td>
</tr>
<tr>
<td>Technical Secretary</td>
<td>Anne-Frédérique Dupont</td>
<td><a href="mailto:anne-frederique.dupont@lequartz.com">anne-frederique.dupont@lequartz.com</a></td>
</tr>
<tr>
<td>Security Manager</td>
<td>Yves Colin</td>
<td><a href="mailto:yves.colin@lequartz.com">yves.colin@lequartz.com</a></td>
</tr>
<tr>
<td>Resident Stage Manager</td>
<td>Didier le Barazer</td>
<td><a href="mailto:didier.le-barazer@lequartz.com">didier.le-barazer@lequartz.com</a></td>
</tr>
<tr>
<td>Resident Stage Manager</td>
<td>Frédéric Roudaut</td>
<td><a href="mailto:frederic.roudaut@lequartz.com">frederic.roudaut@lequartz.com</a></td>
</tr>
<tr>
<td>Resident Stage Manager</td>
<td>Alain L’Helgoual’ch</td>
<td><a href="mailto:alain.lhelgoualch@lequartz.com">alain.lhelgoualch@lequartz.com</a></td>
</tr>
<tr>
<td>Principal Manager</td>
<td>Maël Guiblin</td>
<td><a href="mailto:mael.guiblin@lequartz.com">mael.guiblin@lequartz.com</a></td>
</tr>
<tr>
<td>Principal Manager</td>
<td>Yves Ruellot</td>
<td><a href="mailto:yves.ruellot@lequartz.com">yves.ruellot@lequartz.com</a></td>
</tr>
<tr>
<td>Principal Manager</td>
<td>Christophe Tocanier</td>
<td><a href="mailto:Christophe.Tocanier@lequartz.com">Christophe.Tocanier@lequartz.com</a></td>
</tr>
<tr>
<td>Stage Manager</td>
<td>Christophe Le Bris</td>
<td><a href="mailto:christophe.le-bris@lequartz.com">christophe.le-bris@lequartz.com</a></td>
</tr>
<tr>
<td>Light Engineer</td>
<td>Ronan Cyrvan</td>
<td><a href="mailto:ronan.cyrvan@lequartz.com">ronan.cyrvan@lequartz.com</a></td>
</tr>
<tr>
<td>Sound Engineer</td>
<td>Nicolas Coulon</td>
<td><a href="mailto:nicolas.coulon@lequartz.com">nicolas.coulon@lequartz.com</a></td>
</tr>
<tr>
<td>Spaces Manager</td>
<td>Frédéric Vilchien</td>
<td><a href="mailto:frederic.vilchien@lequartz.com">frederic.vilchien@lequartz.com</a></td>
</tr>
<tr>
<td>Set Designer</td>
<td>Yann Rathuy</td>
<td><a href="mailto:yann.rathuy@lequartz.com">yann.rathuy@lequartz.com</a></td>
</tr>
<tr>
<td>Gaffer</td>
<td>Alain Gillet</td>
<td></td>
</tr>
<tr>
<td>Master Dresser</td>
<td>Marino Marchand</td>
<td></td>
</tr>
</tbody>
</table>

And all the team employed by Le Quartz
TECHNICAL DEPARTMENT SCHEDULE:

09.00 – 12.30 AM / 14.00 – 18.30PM / 20.00 – 23.00PM

Any modifications could not be made without the agreement of the Technical Director, and the possible additional costs would be at the charge of the Company or the Producer.

The equipments in this document can be used in the various rooms of the theatre, this is why it is necessary to have the Technical Director or Stage Manager’s agreement to use such or such part of these equipments.

The technical team is available ½ hour before the beginning of the show.

SECURITY INSTRUCTIONS:

The technical direction wishes to draw attention that every user must respect the security instructions.

It’s forbidden to smoke throughout the establishment.

To prevent accidents our employees use:

- Security shoes
- Glasses
- Gloves
- Helmets
- Harness
- Stops fall
- Life lines
- Stabilizers for GENIES

Electric intervention according to its capacitance.

All the stage equipment (fly loft, electric block and tackles), wood machines, metal machines and Genies are only used by the technicians of the theater.

Every person using the theater installations and noticing an anomaly should immediately inform the theater responsible.

Test of the iron curtain before the public entrance of every performance.
Delivery access:
Rue Frédéric Le Guyader 29200 Brest
BIG THEATER, CAPACITY AND SIZE:

FLEXIBLE ROOM 600, 900, 1200 (WITH A CURTAIN SEPARATING THE ROOM) OR 1560 SEATS WITH BALCONY

<table>
<thead>
<tr>
<th>Specification</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proscenium opening</td>
<td>18.00 m</td>
</tr>
<tr>
<td>Depth of the stage from the edge to the face of the backstage</td>
<td>14.00 m</td>
</tr>
<tr>
<td>Stage’s depth from the fire curtain to the face of the backstage</td>
<td>12.00 m</td>
</tr>
<tr>
<td>Depth from edge of stage to the fire curtain</td>
<td>1.80 m</td>
</tr>
<tr>
<td>Orchestra pit</td>
<td>4.20 m</td>
</tr>
<tr>
<td>High of the stage</td>
<td>0.97 m</td>
</tr>
<tr>
<td>Wall to wall</td>
<td>29 m</td>
</tr>
</tbody>
</table>

FLOOR OF THE STAGE

- Composed by traps of 100 cm x 100 cm, thickness 35 mm in triplis fir
- Maximum load: 500kg/m²
- Possibility of opening on the totality of the knockdown stage (below stage).
- Each trap clears a tunnel of 100 cm x 93 cm

PROSCENIUM

<table>
<thead>
<tr>
<th>Specification</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum opening fire curtain</td>
<td>18.00 m</td>
</tr>
<tr>
<td>Maximum opening forestage</td>
<td>17.30 m</td>
</tr>
<tr>
<td>Minimum opening</td>
<td>13.00 m</td>
</tr>
<tr>
<td>Maximum height (adaptable)</td>
<td>7.50 m</td>
</tr>
</tbody>
</table>

BACKSTAGE

Floor with no trap 18m X 5m, height 5m
**BELLOW STAGE:**

- **Width:** 3,00m
- **Width trap:** 0,90 x 0,90 m

**GRID:**

- Iron floor spaced by 20mm
- **High under pipe:** 16,70 m
- **High under grating:** 16,95 m

**FLY LOFT:**

- 45 counterbalanced pipes 350 kg maxi
- Pipes from 1 to 10 have a length of 19 m
- Pipes from 11 to 35 have a length 21,80 m
- 8 lateral pipes (4 stage right and 4 stage left)
- 7 electric pipes
  - E1/E2/E3 in from of the curtain : 18 m
  - E4 Stage curtain
  - E5 /E6/E7  Electrical pipe
  - Pipes switch: stage right 1 to 23 + 39 to 42 +45
  - stage left 24 to 38 +43 to 44
- See pages 8 and 9

- **High under 1st catwalk:** 7,70m
- **Width 1st catwalk:** 0,90m

**FORESTAGE CURTAIN RED COLOUR**

- Greek switch. Speed fixed.
  (about 24 seconds)
- German switch

**FIRE CURTAIN**

- Descent 30 seconds
- Climb : 1 minute
- Thickness : 25 cm
- Distance edge of the stage : 1m90
- High under fire curtain

**ORCHESTRA PIT**

Hydraulic mobile floor with 3 positions:

- Orchestra pit level 2m50 under stage level
- Venue level
- Stage level
HYDRAULIC SET ELEVATOR

Load: 2 tons
Width: 2,40 m
Length: 8,50 m

SET ACCESS

Difficult access, Have a look please to the plan P.5

Gate:
Width: 2,50 m
Height: 3,85 m

WORKSHOP

Woodworking tools:
- Combined Mini Max CU 300 Smart
- Sign maker Putsch-Meniconi SVP 133

Work equipment steel aluminum
- Band saw Mac Special 280
- Welding post 1/2-Auto Acier Alu Oerlikon Citoline 3500TS and DV4004CTL
- Drill press Pro-Tecnic
PLOT STAGE HOUSE .DWG ON HTTP://WWW.LEQUARTZ.COM/?Q=FR/CONTENT/SAISON-1011/T%C3%A9L%C3%A9CHARGEMENT
PLOT AND SECTION OF THE BIG THEATRE .DWG ON HTTP://WWW.LEQUARTZ.COM/?Q=FR/CONTENT/SAISON-1011/T%C3%A9L%C3%A9CHARGEMENT
### MACHINERY EQUIPMENT

<table>
<thead>
<tr>
<th>Borders</th>
<th>Width</th>
<th>Height</th>
<th>How many</th>
</tr>
</thead>
<tbody>
<tr>
<td>22m</td>
<td>4m</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>20m</td>
<td>3,50m</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Legs</td>
<td>6m</td>
<td>9m</td>
<td>6</td>
</tr>
<tr>
<td>5m</td>
<td>9m</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>4,20m</td>
<td>9m</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>2,70m</td>
<td>9m</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Music tabs</td>
<td>2,3m</td>
<td>9m</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>5,80m</td>
<td>9m</td>
<td>4</td>
</tr>
<tr>
<td>Cyclorama</td>
<td>Blanc</td>
<td>16m</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Gris</td>
<td>16m</td>
<td>1</td>
</tr>
<tr>
<td>Gauze/Scrim</td>
<td>22m</td>
<td>9m</td>
<td>1</td>
</tr>
<tr>
<td>Screen</td>
<td>16m</td>
<td>9m</td>
<td>1</td>
</tr>
</tbody>
</table>

### DANCE FLOOR

- 1 Harlequin Studio Thickness 3mm  
  Only use for ballet dance
- 2 Harlequin Duo N/B Thickness 1,5mm  
  Possibility to have it on forestage

<table>
<thead>
<tr>
<th>Equipement</th>
<th>How many</th>
<th>Désignation</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifts</td>
<td>1</td>
<td>Génie</td>
<td>14m</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Génie AWP 30s</td>
<td>11m</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Génie IWP</td>
<td>9m</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>Verlinde SM5</td>
<td>500kg</td>
</tr>
<tr>
<td>Motors</td>
<td>5</td>
<td>Verlinde SM10</td>
<td>1000kg</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Comd* moteurs 4 circuits</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Comd* moteurs 8 circuits</td>
<td></td>
</tr>
<tr>
<td>Tiers</td>
<td>1</td>
<td>Husson</td>
<td>100 places</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Husson</td>
<td>172 places</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>Eléments de 3m</td>
<td>2 St Danse</td>
</tr>
<tr>
<td></td>
<td>6+4</td>
<td>Eléments de 2m</td>
<td>1 S/D</td>
</tr>
<tr>
<td></td>
<td>5+8</td>
<td>Elément de 1m</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Elément de 0,50m</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Embases Diam 1m, totem, 60kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Angles hauts verticaux: portique</td>
<td>par 301 u</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>Charnières d'angles</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>Angles droits horizontaux 2D</td>
<td>par 302 u</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Croix de liaison horizontales 3D</td>
<td>par 303</td>
</tr>
<tr>
<td>Truss Stacco 300 Total 94 m</td>
<td>30</td>
<td>Samia 2X1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>Pratikus</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>Pare-chute</td>
<td>2m</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Pare-chute</td>
<td>1m</td>
</tr>
<tr>
<td>Folding Rostrum</td>
<td>46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Musician chairs</td>
<td>46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music stands</td>
<td>46</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
DRESSING ROOMS

- **Stage level 1**
  - 4 dressing rooms with shower
  - 2 dressing rooms without shower
  - 1 touring desk
  - 1 dressing room « make up »

- **Level 3 :**
  - 3 collective with shower

- **Pit level :**
  - 3 dressing rooms without shower

DRESSING WORKROOM

- **(level 1) Stage**
  - 2 Laundry machines
  - 1 Dryer
  - 1 Iron
    - (vapor)
  - 2 Sewing machines
    - (1 industrial)
  - 1 Sur jeteuse
  - 1 hooving/heating table
  - Supports on wheels

REHEARSAL HOUSE

- Surface 225m²
- Black wood floor with a wall of mirror
- Possibility to have a dance floor on request
- Possibility to have light and sound equipment on request.
DANCE STUDIO

- Capacity : 100
- Wood floor with a black dance floor
- Surface of stage area : 120 m²
- Opening : 12 m
- Depth : 10 m
- Height under the fixed grid : 5.24 m
# LIGHT EQUIPMENT:

## LIGHT DESK
- 2 Avab Congo Junior Powered by cobalt
- 1 Avab Presto

## PROFILES

<table>
<thead>
<tr>
<th>Power</th>
<th>Profiles</th>
</tr>
</thead>
</table>
| 650 W | - 6 Selecon Acclaim 24/44°  
- 2 Selecon Pacifique 90°  
- 1 Nez Pacifique long |
| 1000 W | - 10 611 SX R. Juliet 8/17°  
- 20 613 SX R. Juliet 28/54°  
- 40 614 S. R. Juliet 13/42°  
- 24 614 SX R. Juliet 15/38° |
| 2000 W | - 25 714 SX R. Juliet 15/40°  
- 10 713 SX R. Juliet 29/50°  
- 2 711SX2 R. Juliet 8/16° |
| 2500 W HMI | - 2 933SNX R Juliet 29/50° HMI |

## PROJECTORS

<table>
<thead>
<tr>
<th>Type</th>
<th>Projectors</th>
</tr>
</thead>
</table>
| Fresnels | - 10 500W Selecon Acclaim 6/60°  
- 6 2KW LTM with shutter 4 faces 7/60°  
- 2 2.5KW HMI LTM with venetian blind (theater version)  
- 3 5KW LTM with shutter 4 faces 7/60°  
- 2 5KW ADB SH50 with shutter 4 faces 12/51 |
| PAR | - 54 PAR 64 CP62 octagonal Scenilux  
- 27 PAR 64 CP61 octagonal Scenilux  
- 18 PAR 64 CP60 octagonal Scenilux  
- 6 PAR 64 THOMAS lyre reinforced |
| ACL | - 4 sets de 2X4 ACL 250W 28 volts |
| Cyclides | - 40 asymmetrics ADB 1KW ACP 1001 |
| BT | - 10 BT 500W R Juliet  
- 6 BT 250W CREMER  
- 6 BT 250W FIATLUX |
| Follow spot | - 2 HMI 1800W Victor R Juliet |
| PROJECTEURS PC |  

<table>
<thead>
<tr>
<th>Power</th>
<th>Profiles</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 W</td>
<td>- 12 Selecon (lent peeble)</td>
</tr>
</tbody>
</table>
| 1000 W | - 80 310 SH R. Juliet 12/63°  
- 30 LUTINS R. Juliet |
| 2000 W | - 60 329 HPC R. Juliet 16/72° peeble  
- 10 2000D R. Juliet LP 5 .5/17° |
DIVERSE

- 8 RAMPES Brabo 2 ignitions
- 70 Fluos dimmables Variten 26mm R. Juliat 1.20 m 36W daylight
- 2 switcher P17 32 A tetra/3X32 mono direct DMX
- 2 switcher P17 16A mono/16A mono direct DMX

FOG MACHINE

- 2 UNIQUE

DIMMERS

Fixes « Grand Théâtre »

- 216 digital Juliat 3 KW DIGI 4 S
- 12 digital Juliat 5 KW DIGI 4 S

Moving

- 18 digital DIGI TOUR 5 S and VI S Juliat 6X3 KW
- 4 digital DIGI TOUR 5 S Juliat 6X3 KW fluo version
- 2 digital DIGI TOUR Juliat 3X5 KW

LIGHT BOOTH in the bottom of the room.
2 positions in the house after approval by the Technical Direction.

EQUIPMENT PROJECTION CINEMA :

Fixes projectors

- 1 Projector 35mm Cinemecanica Zenith 4000 H
- 1 Projector 16mm Elmo LX 220
### Sound Equipment:

**Sound Control Board**
- 1 digital control board Yamaha SSI 500
- 1 digital control board Yamaha PM5D RH
- 2 digital control boards Yamaha DM1000
- 2 digital control boards Yamaha QL1
- 1 digital control board Yamaha O1V
- 1 digital control board Yamaha DM2000
- 1 analog control board Yamaha PM3500 32Vx
- 1 analog control board Yamaha RA1000

**Intercommunication**
- Wired Clearcom
- 2 HF HME 4 stations

**Peripherals and Distribution**
- 1 Reverb Bricasti M7
- 1 Reverb Lexicon PCM 70
- 1 Reverb Lexicon PCM 90
- 1 Reverb TC M2000
- 1 Double compressor Focusrite Red
- 1 Double compressor Focusrite Green
- 1 Preamp compressor TL Audio
- 1 Double compressor Symetrix 525
- 1 Double compressor DBX 166A
- 1 Noise Gate Quad Valley people
- 1 Double equalizer XTA 31 bandwidths

**Machines**
- 5 CD ROM engravers Tascam SS CDR 200
- 4 CD Players Broadcast Sony
- 3 Minidisc Broadcast Tascam
- 1 Recorder CD/DVD DV-RA1000
- 1 DAT Panasonic

**Free Speakers**
- 12 Speakers Amadeus CX12
- 4 Speakers Amadeus MPB600 2 pouces
- 2 Speakers Amadeus MPB600 1 pouce
- 4 Speakers Amadeus MPB1200
- 2 Speakers Nexo LS500
- 2 Speakers NEC 96
- 8 Speakers Amadeus MPB200R
- 4 Bose 802 + Filtre
- 6 Bose 101
- 8 Cabass Oberon
- 8 Speakers Amadeus PMx15
- 3 Amplified Speakers Rondson
- 1 System Curve 500

**Free Microphones**
- 1 Neuman KMS 105
- 2 Shure Beta 87
- 7 Neuman KM 184
- 2 AKG 414
- 6 Shure SM 81
- 2 Beyer MC 740
- 2 AKG 480
- 9 Shure SM 98
- 6 ATM 35
- 4 EV 468
- Diverse Dynamic
  (58, 57, 421, Beta 56, 52...)

**Microphones HF**
- 8 Senheiser SK5012 + EM3532
- 8 Systems Senheiser EW 500
- 2 Complete system Shure UC
- 10 In Ear Senheiser EW300 IE
- 2 Systems 2 receptors Senheiser EW 550
- 6 System Senheiser EW 100
- 2 Systems Senheiser EW 300
VIDEO

- 2 Video projectors Christie HD 14K-M
- 5 Video projectors Panasonic HD PTDZ 6710 EL
  3 Long average optics DLE 150
  2 Optics big angle DLE055
  3 Focal lengths DLE 250
  2 Focal lengths DLE 350
  2 very long focal lengths DLE 450
- 8 DVD Players mass appeal
- 1 Camera Canon DV XLI + Stand Vinten
- 1 Camrecorder Sony mass appeal + stand
- 3 Camrecorders HD Panasonic + stand

COMPUTING

- 1 Mac Pro 2010’
  Softwares Final cut Pro
  Max MSP 5 with Jitter.
- 1 Macbook Pro 15” 2015 (QLAB, LIVE, USINE)
- 1 Macbook Pro 17” 2005’
  Stories sequencer Pro tools

STATE CONTROL AND FILM STUDIO SOUND

- Equipment following needs

STATE CONTROL OVER VIDEO PRODUCTION

- Bench of edit video and treatment
  MacPro Software Final Cut Pro
  MaxMsp 5 Jitter
**SOUND SYSTEM:**

**DIVA M** system is composed by 2 types of elements. The main one is the **head M**. Its bandwidth extends from 85 Hz to 20 000 Hz. It’s composed by four transducers: two engines 1” Neodyme with very high return annular diaphragm are connected to a part of phase resulting in a guide of wave extremely elaborated. This set is dedicated to shrill frequencies (from 1.6 KHz to 20 KHz). One transducer 8” in another guide of wave ultra optimized is in charge of reproducing the lower frequencies to 1.6 KHz. The main filtering 1.6 KHz is active, between medium grave and the engines of treble.

**DIVA SUB M 18** is the element second of the system. It is composed by a transducer specialized in the grave frequencies. This transducer with a very high power is loaded in an optimized volume, tuned in double bass-reflex.

Filtering is also active between DIVA SUB M 18 and head DIVA M.

---

**ESTABLISHMENT SYSTEM:**

For the stalls, the good compromise brings us to a height of 6.5 meters for the first head DIVA M. Eight heads used for a total vertical cover of 36°. At this height it is thus relevant appealing to a secondary system for the distribution towards the first rows. MPB 600 (baffles 12” + 2”), already used in the current configuration, were kept for the side points.

Balcony not being constantly used, it can be interesting to separate its distribution. This role is allowed in two other heads DIVA M installed at the top of the two main sets but amplified by an independent booster.

The following page illustrates in details, the space distribution of the primary and secondary systems.

**SOUND BOOTH in the bottom of the room.**

**2 positions in the house after approval by the Technical Direction.**
**ZONE DIFFUSION**

**BROADCAST ZONE OF THE MAIN SYSTEM**

Composition:
- 10 DIVA M by side
- 2 DIVA SUB M 18 by side
- 3 DIVA XL 18 X at the bottom, by side

**ZONE DIFFUSION**

**BROADCAST ZONE OF THE SECONDARY SYSTEM**

Composition:
- 2 MPB 600 in front side
- 4 XS Frontfill in front of center stage

**WHOLE PROFILE VIEW**
System DIVA increase is done by amplifiers LAB GRUPPEN. To minimize the length of cables loudspeakers, we can arrange a system stand amplifier stage left and a second stage right.

Each system stand receives four amplifiers.
- 1 FP 6400 in bridge mode which aliment two DIVA SUB M 18 that is 4000 W render 4 Ohms.
- 2 FP 6400 every channel of which feeds respectively the way medium and the way shrill of heads in parallel. A third FP 64700 feeds the two heads intended for the balcony cover.
- An active filter which manages the parameters of the system: filterings, base OQ, limiters, delays, relative levels.

Speakers cables are 2x4 mm² section for subs and 4x4 mm² for heads.
### SMALL THEATER, CAPACITY AND SIZE:

![Image of a theater interior]

#### PROSCENIUM

<table>
<thead>
<tr>
<th>Description</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Procenium opening maximum</td>
<td>14.10 m</td>
</tr>
<tr>
<td>Procenium opening minimum</td>
<td>11.84 m</td>
</tr>
<tr>
<td>Depth from 1\textsuperscript{st} row to upstage wall</td>
<td>13.50 m</td>
</tr>
</tbody>
</table>

#### BACKSTAGE

<table>
<thead>
<tr>
<th>Description</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth backstage</td>
<td>2.44 m</td>
</tr>
<tr>
<td>Size door backstage</td>
<td>L 3.21 m x h 5.00 m</td>
</tr>
<tr>
<td>High under backstage</td>
<td>5.00 m</td>
</tr>
<tr>
<td>High under pipe</td>
<td>6.10 m</td>
</tr>
</tbody>
</table>

#### SET ACCESS

Set access (with an elevator – maxi 2000 kg) L2.33 w 2.20m h2.10 m

#### LIGHT EQUIPMENT:

**LIGHT DESK**

Avab Congo Junior

**DIMMERS**

Fixes « Petit Théâtre »

60 digital Juliat 3 KW DIGI 4 S