

# Technical Rider

Version 2022



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THÉÂTRE MUSICAL  
DE PARIS

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## 1. Technical team - contact

### TECHNICAL DIRECTION

|                                                         |                                     |                                  |                                                                                                                                          |
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### PROPS

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### SCENIC SHOP

|                                |                |                |                                                                  |
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|                         |                      |                |                                                        |

### DESIGN and ENGINEERING DEPARTMENT

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## WARDROBE

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## LIGHTING

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## MACHINERY / FLY SYSTEM

|                                                                   |                                                         |                                                    |                                                                                                                                                                                                      |
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## MAKE UP - HAIRDRESSING

|                    |                                     |                |                                                                      |
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## STAGE MANAGEMENT

|                                  |                    |                |                                                                  |
|----------------------------------|--------------------|----------------|------------------------------------------------------------------|
| Production General Stage Manager | Dominique MOUNERAT | 01 40 28 29 58 | <a href="mailto:domlyric@chatelet.com">domlyric@chatelet.com</a> |
| Stage and Orchestra Manager      | Sylvain BECAMEL    | 01 40 28 29 27 | <a href="mailto:sbecamel@chatelet.com">sbecamel@chatelet.com</a> |

\* There is no specific video department at Le Châtelet. The Audio team oversees sending the FOH / MD video signal on stage monitors. The « artistic » video technical part is managed by an external supplier.

## 2. Main House

### 2.1. Fire safety classification regulations

Le Châtelet is classified ERP type L 1st category.

### 2.2. Description et dimensions

Italian-style theater of 2038 seats (maximum), as follows:

|                         |                                           |
|-------------------------|-------------------------------------------|
| Main floor              | 589 seats + 85 seats on the orchestra pit |
| Mezzanine               | 382 seats                                 |
| 1 <sup>st</sup> Balcony | 282 seats                                 |
| 2 <sup>nd</sup> Balcony | 224 seats                                 |
| 3 <sup>rd</sup> Balcony | 332 seats                                 |
| 4 <sup>th</sup> Balcony | 134 seats                                 |

20 wheelchair positions (14 on the Main floor et 6 on the Mezzanine) can be fitted out of potentially up to 40 seats, reducing the maximum maximum capacity to 2006 seats

Many seats have medium or poor visibility. The audience capacity is adapted according to the type of show (concert, opera, musical, etc.).

Certain seats, especially stage left and right sides of the 3<sup>rd</sup> and 4<sup>th</sup> balconies, are blind.

The sound and light control rooms (2 control rooms of 10m<sup>2</sup>) are in the center at the bottom of the 2nd Balcony.

Main House Dimensions:

|                                                                   |                 |
|-------------------------------------------------------------------|-----------------|
| Minimum width                                                     | 13.30 m / 43'7" |
| Maximum width                                                     | 22.00 m / 72'2" |
| Maximum height                                                    | 19.00 m / 62'4" |
| Total depth from the front of the stage to the end of the balcony | 22.00 m / 72'2" |

### 3. The Stage

#### 3.1. Description and dimensions

The stage is separated from the audience by a fire curtain. (What are the rules governing putting scenery across the fire curtain line or in front of the fire curtain line? Can moveable pieces of furniture sit across the

##### Proscenium:

- Width: 17.30 m / 56'9" (at the tip of the stage)
- Depth: 1.70 m / 5'7" (in front of the fire curtain)
- Height of the stage: 1.10 m / 3'7" (from House floor)
- Height from stage to ceiling: 18.90 m / 62'
- Access to the loggias on both sides

##### Proscenium arch:

- Width: 13.85 m / 45'5"
- Height: 8.40 m / 27'6"

##### Stage:

- Ground surface: 430m<sup>2</sup> / 4628 sq ft
- Width (between pillars) : 23.80 m / 78'1"
- Depth: 17.80 m / 58'4"
- Height: 23.00 m / 75'5" under the grid

##### Wings

- Stage Right:
  - o Ground surface: 120m<sup>2</sup> / 1291 sq ft
  - o Width: 5.80 m / 19'
  - o Depth : 18.30 m / 60'
  - o Height 8.40 m / 27'6" (7m / 23' under beams (see drawings))
- Stage Left:
  - o Ground surface: 130m<sup>2</sup> / 1399 sq ft
  - o Width: 6.00 m / 19'8"
  - o Depth: 18.50 m / 60'8"
  - o Height: 8.40 m / 27'6" (7m / 23' under beams (see drawings))

##### Backstage opening:

- Width: 10.00 m / 32'7"
- Height: 8.90 m / 29'2"

##### Backstage:

- Ground surface 275 m<sup>2</sup> / 2960 sq ft
- Width: 24.60 m / 80'8" (including the platform lift)
- Depth: 11.00 m / 36'1"
- Height: 14.20 m / 46'7" (under the grid)



### 3.2. Scenery Access

The access for the sets is located on Édouard Colonne street. A Spiralift platform lift going from the 4<sup>th</sup> basement to the stage (upstage left)

Street door dimensions:

- Height: 4.27 m.
- Width: 2.74 m.
- Diagonal: 5.00 m.

Platform lift door dimensions:

- Height: 3.50 m.
- Width: 2.00 m.
- Diagonal: 4.20 m.

Platform list dimensions:

- Length: 10.50 m.
- Width: 2.70 m.

Side panel for transporting flat or standing panels

Maximum charge: 5000 daN

Speed is about 4meters by minute.



- Street door



- Platform list at stage level

### 3.3.Stage Floor and Sub-Stage Levels

Stage slope: 1,2 % - (0.65°)

Stage floor capacity: 500 daN/m<sup>2</sup>

The stage floor is made of 43 mm thick wooden panels placed on the under-stage structure of 1575 mm (stage left-right) x 1133 mm (downstage - upstage).

Sub-Stage (from stage level +0m)

- First sub-level: - 2.89 m.
- Second sub-level: - 5.24 m.
- Third sub-level: - 7.58 m.

The structure of the first Sub-Stage is entirely removable.

The structure of the second and third sub-levels is partially removable. A prior study is necessary to verify the feasibility of dismantling.



1<sup>er</sup> basement



### 3.4. Orchestra Pit

The orchestra pit is made up of 2 platforms that can be used as orchestra pit, extension of the stage or of the audience floor:

- Surface: 107 m<sup>2</sup>
- Maximum width: 18.70 m.
- Maximum depth: 8.5 m.
- Free height under the proscenium: 1.90 m.-
- Platform 1:
  - o Width: 16.00 m.
  - o Depth: 2.80 m.
- Platform 2:
  - o Width: 18.70 m.
  - o Depth: 2.80 m.

### 3.5. Grid and Catwalks

Stage grid:

- Height: + 22.9 m.
- Free height under the grid: + 22.00 m.
- Surface: 420 m<sup>2</sup>.

Backstage grid:

- Height: + 14.5 m.
- Free height under the grid: + 14.00 m.
- Surface: 230 m<sup>2</sup>.

Catwalks:

- First catwalk: + 9.80 m.
- Second catwalk: + 11.38 m.
- Third catwalk: + 14.52 m.
- Forth catwalk: + 16.92 m.

### 3.6. Fly system

Le Châtelet is equipped with a fly system with computerized control (system CATV5 - Waagner-Biro)

- 59 frontal battens (P1 to P59) – The curtain on P1 **cannot** be removed.
- 4 side battens (2 SL – 2 SR).
- 24 single line winches

The maximum number of battens/winches moving simultaneously is 15

Battens:

|                 |                                                                                                                                                               |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | Americain-type double batten 50 mm                                                                                                                            |
| Length          | 20.00 m                                                                                                                                                       |
| Charge capacity | 750 daN distributed                                                                                                                                           |
| Speed           | <ul style="list-style-type: none"> <li>- Less than 500daN: from 0.001 m/s to 1.6 m/s.</li> <li>- From 500daN to 750daN: From 0.001 m/s to 1.2 m/s.</li> </ul> |

Single line winches:

|                 |                            |
|-----------------|----------------------------|
| Charge capacity | 350 daN                    |
| Speed           | From 0.001 m/s to 1.6 m/s. |

Chain hoist:

|                                                                                               |
|-----------------------------------------------------------------------------------------------|
| 6 chain hoists, capacity 500kgs; variable speed of 0 to 16m/min; above the orchestra pit 1    |
| 1 Double batten of 16m; fixed speed of 0.5m/s; above the orchestra pit 2                      |
| 1 set of 5 battens: 2 of 5m and 3 of 1.2m dedicated to sound department; above the proscenium |
| 30 chain hoists, capacity 500kgs; fixed speed of 16m/min; on rails                            |

### 3.7. Stage machinery

- 1 set each of dance carpet Harlequin DUO PRO black and white
- Podiums for concert “PRAKTIKUS” (quantity on demand)
  - Height: from 0.20m to 1.20m
  - Sizes : 100x200, 130x200, 150x200)
- Side legs on tracks

### 3.8. Hangings and stage equipment

Main stage curtain: Garouste curtain on P1 - Type Guillotine.

|                | Dimensions  | Quantity | Notes               |
|----------------|-------------|----------|---------------------|
| Borders        |             |          |                     |
|                | 20 m x 4 m  | 6        | Black velvet (New)  |
| Stage curtains |             |          |                     |
|                | 20 m x 11 m | 2        | Black velvet        |
|                | 11m x 11m   | 2        | Black velvet        |
| Tulles         |             |          |                     |
|                | 19 m x 11 m | 1        | Gobelin White cream |
|                | 16 m x 9 m  | 1        | Black Honeycomb     |
|                | 18 m x 11m  | 1        | Gobelin Black       |
|                | 18 m x 11 m | 1        | Black Square        |

|                       |                |    |              |
|-----------------------|----------------|----|--------------|
| Backstage PVC curtain |                |    |              |
|                       | 18 m x 11.00 m | 1  | White cream  |
|                       | 20 m x 11 m    | 1  | Grey         |
| Legs                  |                |    |              |
|                       | 11 m x 4 m     | 12 | Black velvet |

### 3.9.Lighting equipment

#### **Please contact Technical Direction about an update list of available material**

Control desk:

- 2 Lighting control console EOS Ti ETC

Infrastructure:

ETHERNET Network sACN (51 connection points)

Network DMX 512 W-Dim

Dimmers:

- 382 dimmers 2.5kw ETC Sensor 3 (including 90 in FOH)
- 200 dimmers 5kw ETC Sensor 3 (including 18 in FOH)

### 3.10.Sound equipment

#### **Please contact Technical Direction about an update list of available material**

Control desk:

DIGICO SD7 Live or SD7T QUANTUM (V1090) Audio desk

Power distribution:

Full on-line UPS power distribution 160KVA.

### 3.11.Wardrobe equipment

- 2 x washing machine – Capacity 7 kg
- 1 x washing machine – Capacity 9 kg
- 1 x spin dryer
- 1 x domestic dryer
- 1 x large dryer - Capacity 10 kg
- 1 x domestic sewing machine
- 4 x tables and presses for ironing
- 5 x steamers
- 1 x domestic iron
- 1 x domestic ironing table
- 1 x drying cabins

## 4. Additional spaces

### 4.1. Rehearsals studios

#### - **Ground Level – Studio COLE PORTER**

The rehearsal studio with oak parquet floor + a dance mat (on request), and mirrors on one side, it can also be used as a dressing room.

Dimensions:

- Length: 13.20 m.
- Width: 11.40 m.
- Free height: 3.00 m.
- Surface: 150 m<sup>2</sup>.



#### - **Basement - Studio ANNA PAVLOVA**

The rehearsal studio with oak parquet floor + a dance mat (on request), and mirrors on one side.

Dimensions:

- Length: 16.20 m
- Width: 11.00 m.
- Free height: 4.40 m
- Surface: 178.20 m<sup>2</sup>.





**4.2. Green Room**

Used for rehearsals, meetings, dressing rooms.

Dimensions:

- Length: 7.50 m
- Width: 7.30 m.
- Surface: 55 m².

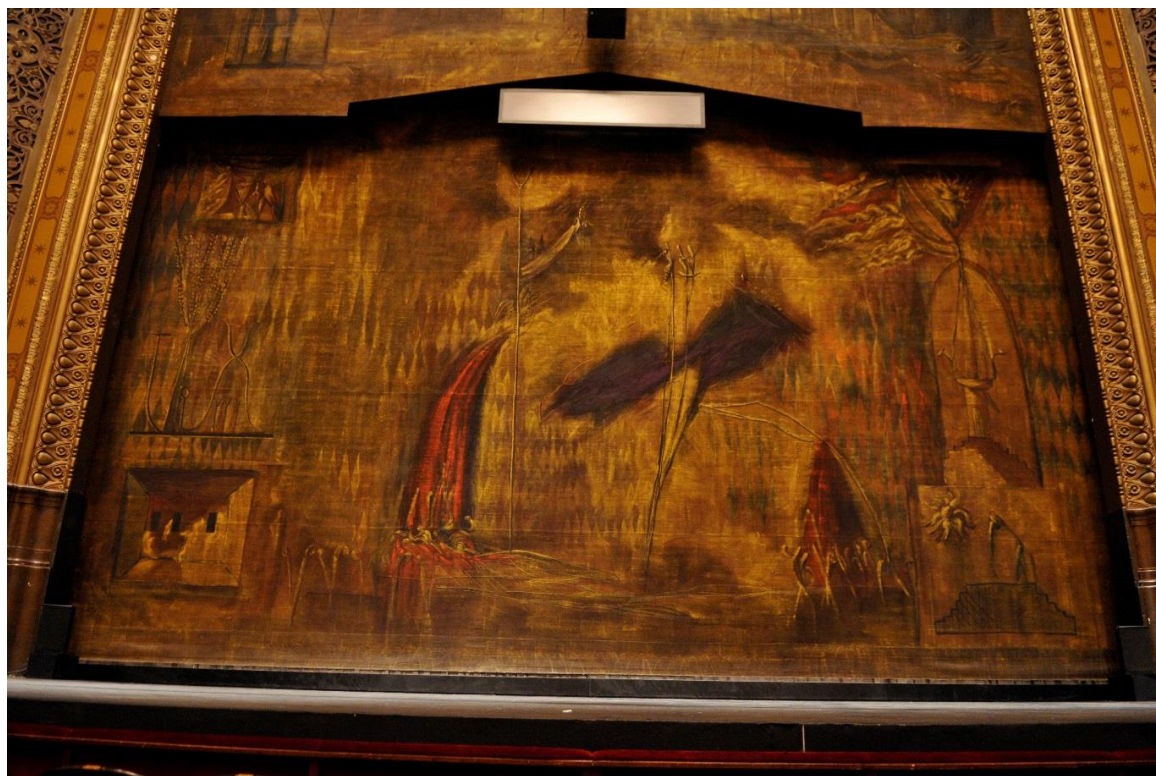
**4.3. Production office**

- Surface: 16 m².

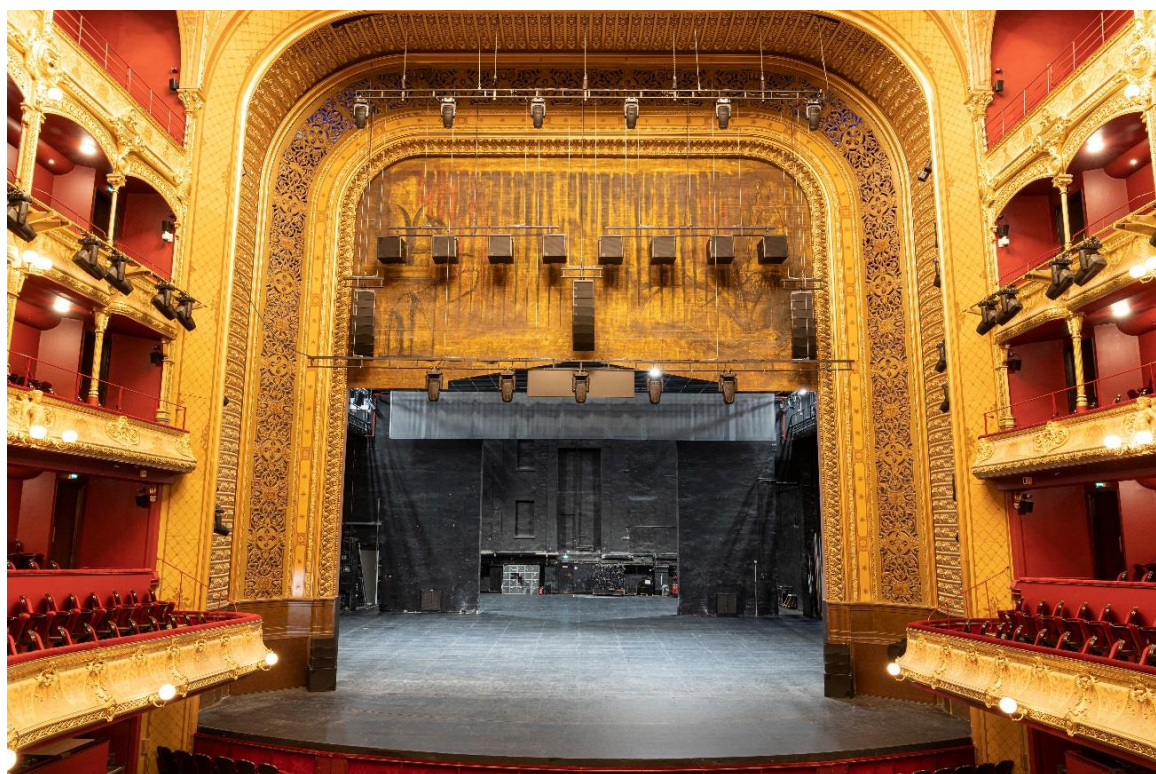
**4.4. Dressing rooms**

|                                        |                          |
|----------------------------------------|--------------------------|
| <b>SECOND FLOOR:</b>                   |                          |
| Dressing room 1 person                 | #215                     |
| Dressing room 2 persons                | #212-213-216-217-218-219 |
| Dressing room 4 persons                | #214                     |
| Make up                                | 1 room                   |
| <b>THIRD FLOOR:</b>                    |                          |
| Dressing room 18 persons               | #303-304                 |
| Make up                                | 38.50 m²                 |
| Dressing room – Soloist (with piano)   | #310                     |
| Dressing room – Conductor (with piano) | #311                     |
| Dressing room 8 persons                | #312-313-314-315         |
| Dressing room 10 persons               | #316                     |

## 5. Pictures

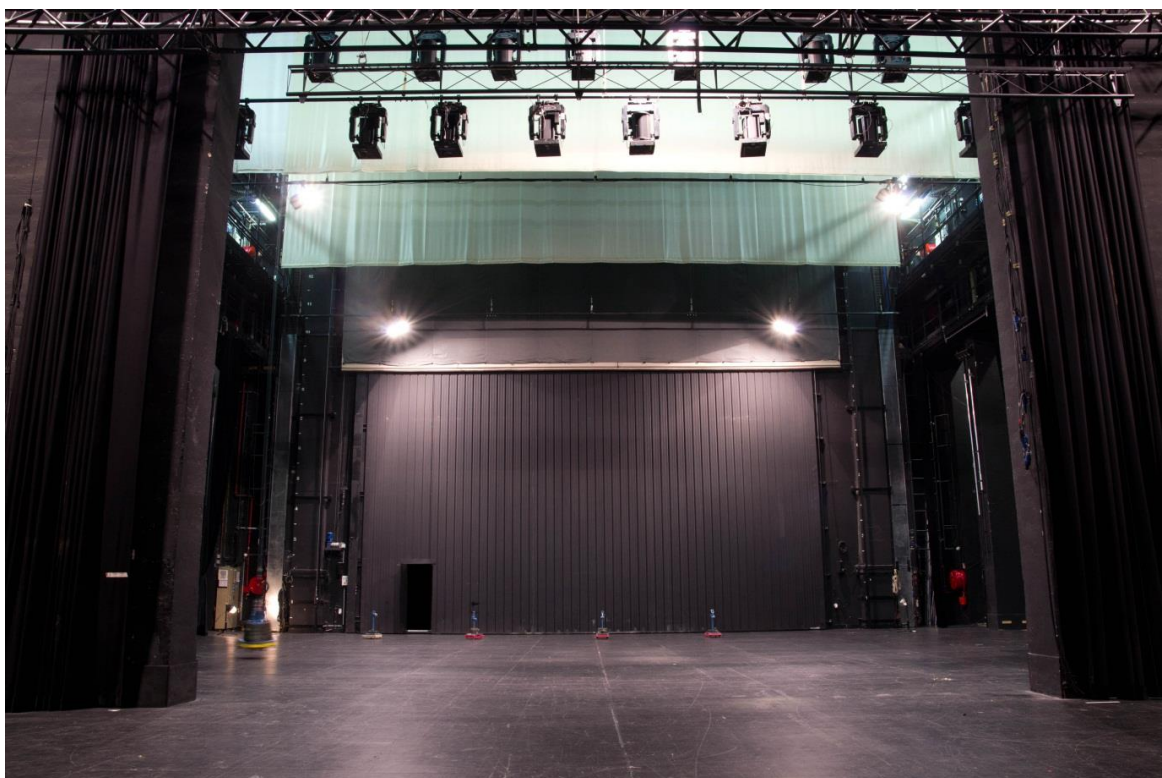


Downstage curtain (Garouste)



Proscenium arch





Stage and fire curtain seen from upstage



Stage and backstage seen from the audience





Wing on stage left



Downstage left wing

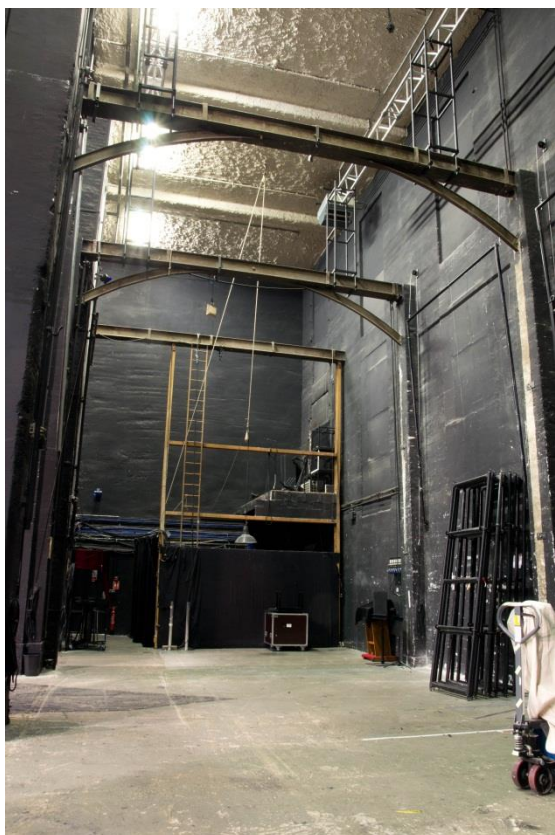


Upstage left win





Wing on stage right

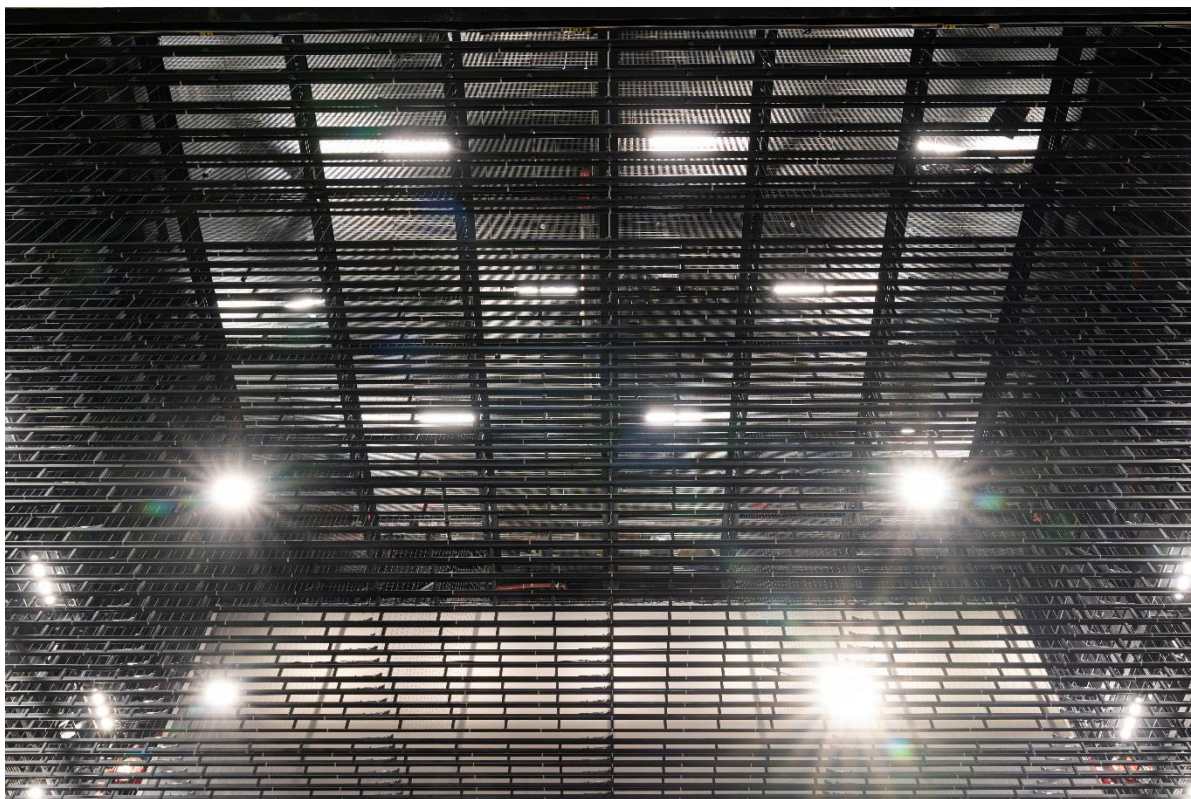


Downstage right wing

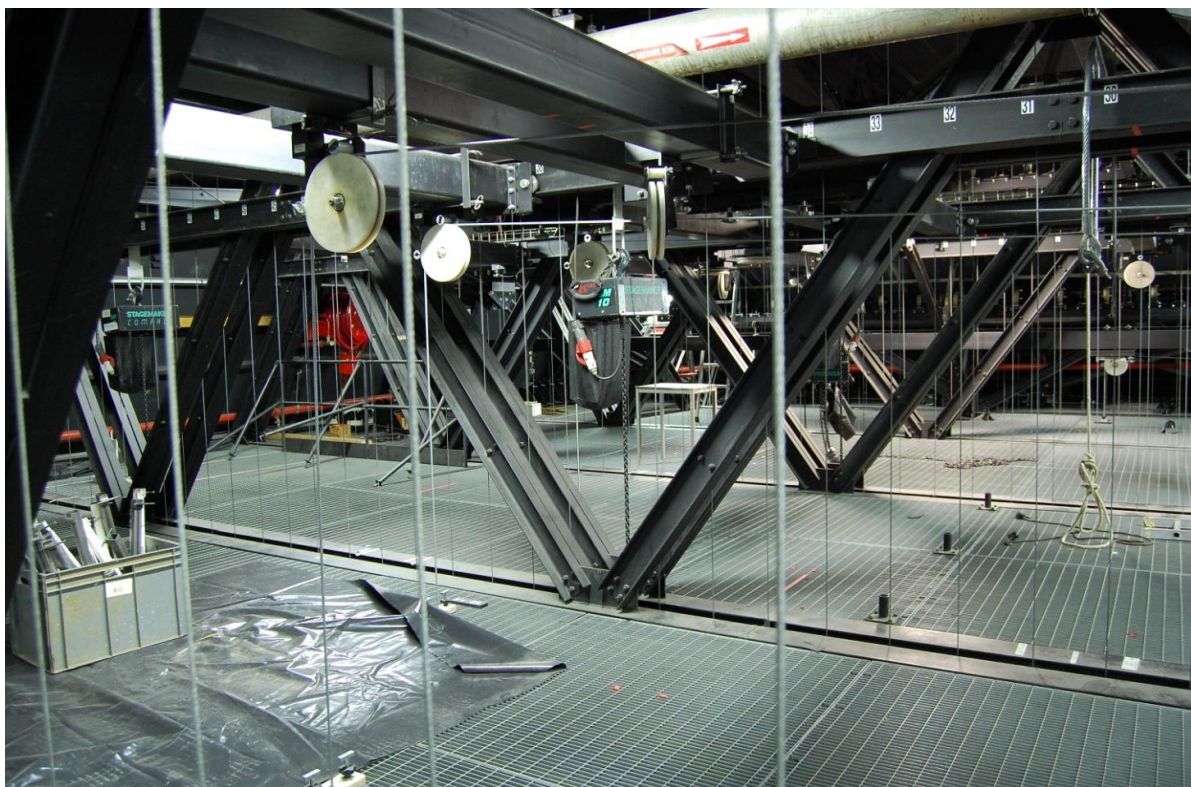


Upstage right wing



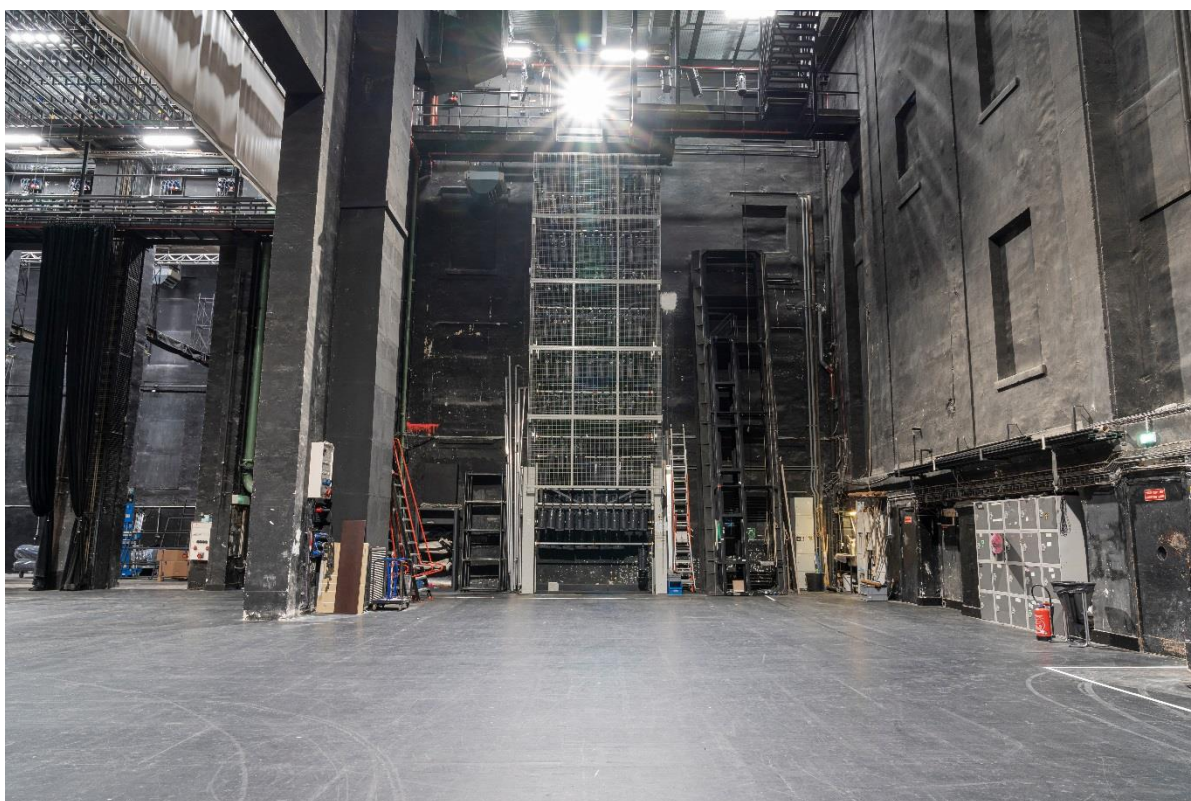


Fly system

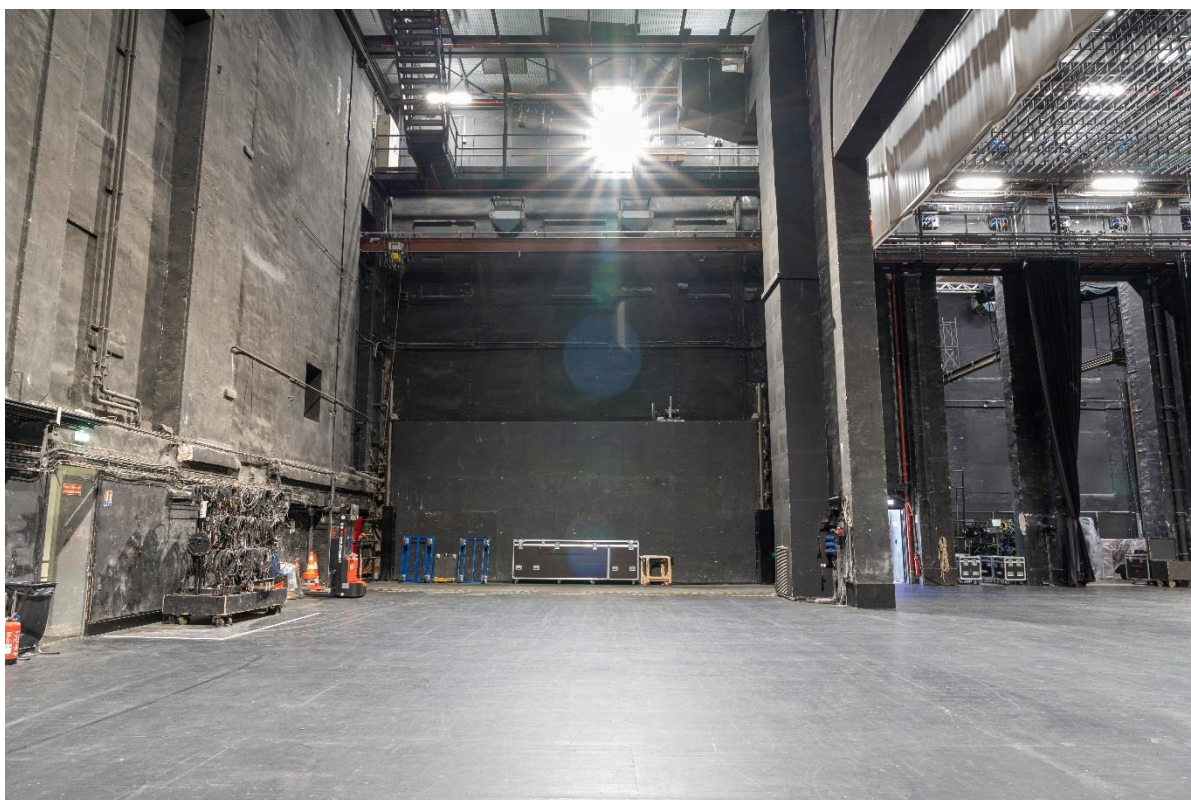


Grid





Back stage right side



Back stage left side



## 6. Access

Delivery access plan

2 Rue Édouard Colonne, 75001 Paris

Tel 01 40 28 28 28

Access by the Quai de Mégisserie

Parking on the street is reserved for deliveries on both sides.

