



photo credit: JB Cagny

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## CONTENTS PAGE

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<b>Contact technical department</b>	<b>p. 3</b>
<b>Important documents</b>	<b>p. 4</b>
<b>Safety norms for our building</b>	<b>p. 4</b>
<b>Description</b>	<b>p. 6</b>
Venue	p. 6
Stage	p. 8
Unloading	p. 10
Grid	p. 12
Orchestra Pit	p. 14
Dressing Rooms	p. 15
<b>Appendix</b>	<b>p. 16</b>
Fly system	p. 17
Stage equipment	p. 20
Lighting equipment	p. 22
Sound equipment	p. 24
Video equipment	p. 26
<b>Main Stage - capacity plots</b>	<b>p. 27</b>

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## CONTACT TECHNICAL DEPARTMENT

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## IMPORTANT DOCUMENTS

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We need the documents hereinbellow 1 month before the show.

### **Structures, platforms, tiers**

- Design calculations
- Lowering loads
- Plots
- Descriptions
- Set-up instructions from the manufacturer
- Floors: certificates of non-inflammable treatment must be produced (French classification: M3)

All the system needs to be in compliance with laws, rules and standards prevailing in France.

### **Pyrotechnics, flames, smoke**

- Description of the system
- Nature and quantity of loads
- Brands
- Operating procedure: collectively written and subjected to advice of safety commission

All the systems and products need to be in compliance with laws, rules and standards prevailing in France.

### **Gas**

Forbidden

### **Flights, disappearances**

- Description of the system
- Plots
- Operating procedure: adapted to our stage and collectively written.

All the system and lifting equipments (ropes, slings, connectors, harness...) need to be in compliance with laws, rules and standards prevailing in France.

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## SAFETY NORMS FOR OUR BUILDING

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### **Classification**

1st category

### **Stage type**

Stage can be isolated from the audience with a fire curtain

### **Set fire classification (french classification): M3**

The fire curtain has to be closed in any case. If a set stop the fire curtain closing, a safety study will be necessary and subjected to advice of safety commission (a change of sets classification could be necessary: M3 -> M1)

### **Curtains and fabrics fire classification (french classification): M1**

All the certificates of non-inflammable treatments must be produced 1 month before the show.

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## GENERALE ORGANIZATION

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Please, note:

- Each technician has to wear individual protection equipments. Each employer has to supply it.
- Our company rules and regulations have to be implemented by anyone who are present in our building.

Each employer assure:

- Each employee is fit for work
- Competences and qualifications of its employees
- All certificates are original

Working hours : 09:00-13:00 / 14:00-18:00 / 19:00-23:00. Please, note our technical team cannot be planned more than 11 hours by day and 48 hours by week. Every change has to be discussed in advance.

By my signature below, I hereby confirm that I have read and understood the terms and conditions of this document.

ORGANIZER  
(OPERA DE LILLE)

PRODUCER

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## DESCRIPTION

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### MAIN STAGE

Italian-style theater

**Opera Capacity:** 1136 seats (with 14 spaces in stalls for people with limited mobility)

- Stalls: 366 seats
- 1st gallery : 234 seats
- 2d gallery: 153 seats
- 3rd gallery: 188 seats
- 4th gallery: 195 seats

**Dance Capacity:** 890 seats (with 10 spaces in stalls for people with limited mobility)  
*sealed-off seats because of poor visibility.*

- Stalls: 328 places
- 1st gallery : 208 places
- 2d gallery: 121 places
- 3rd gallery: 142 places
- 4th gallery: 91 places

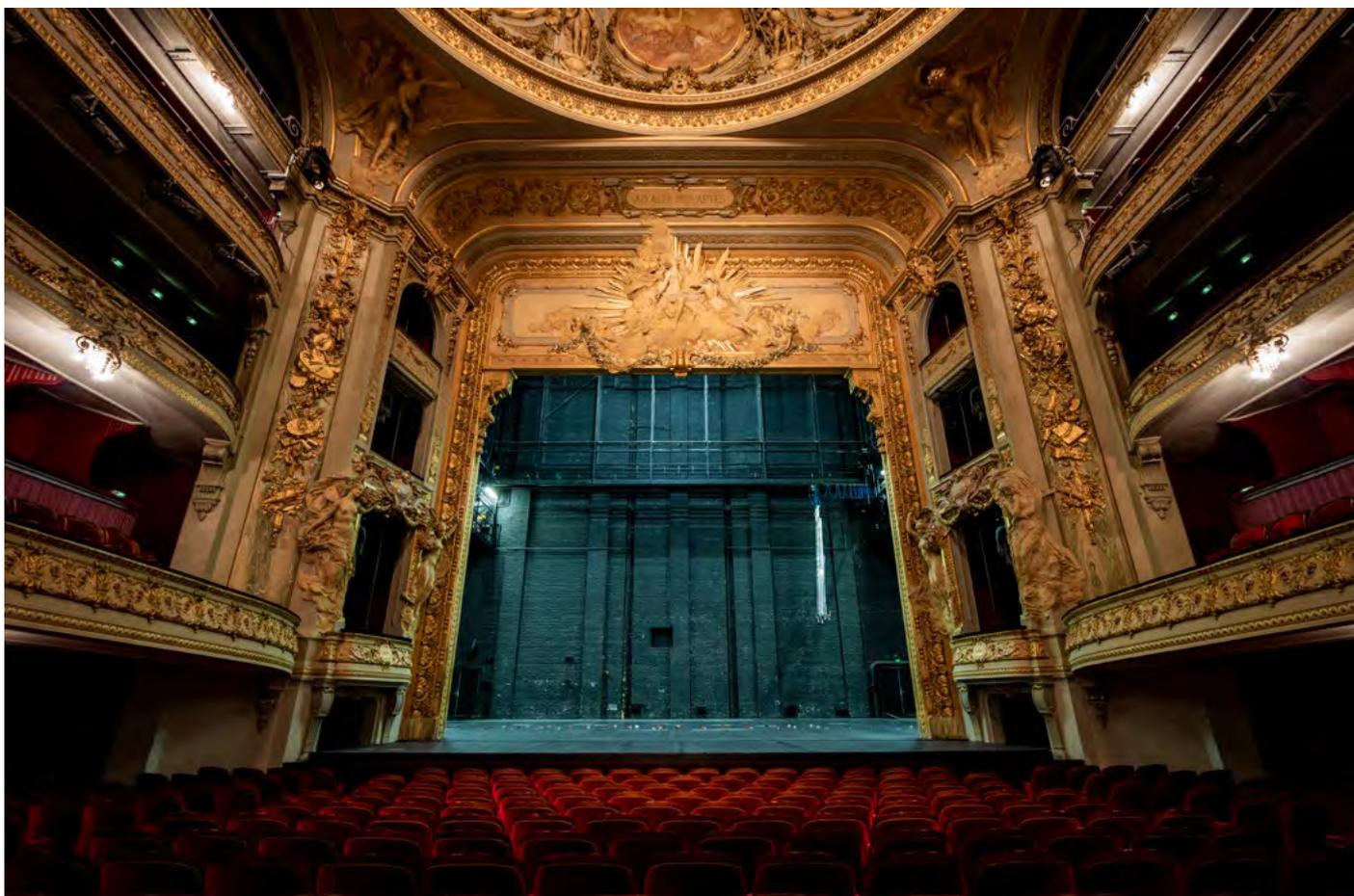


photo credit : JB Cagny

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## STAGE

### Proscenium frame

- Opening 10.85m
- Height 9.45m

### Stage dimensions

- width (wall to wall) 24.00m (12.50m from axis to stage left and 11.50m from axis to stage right)
- Width between catwalks 20.60m
- Depth from fire curtain to back wall 17.70m
- Depth from front edge to back wall 19.10m
- Height 1st catwalk 8.70m
- Height 2d catwalk 11.75m
- Height 3rd catwalk 17.60m
- Height trap room 3.50m
- Slope 0%
- Height from stage to stalls 1.05m

### Fire Curtain

- Distance from front edge to back fire curtain 1.40m
- Thickness 0.21m

### Stage floor

Wood floorboard (pine) painted with matte black.

Dismantled central area: 15.40m X 9.90m.

Dimensions of each trap: 1.10m x 1.10m  
(15 traps width and 9 traps depth)

- Maximum load 750Kg/m<sup>2</sup>
- Set lift maximum load 800Kg/m<sup>2</sup>
- Total dismantled surface 152.40m<sup>2</sup>
- 1st trap 4.80m from front edge  
3.40m from fire curtain
- Last trap 14.75m from front edge  
13.35m from fire curtain

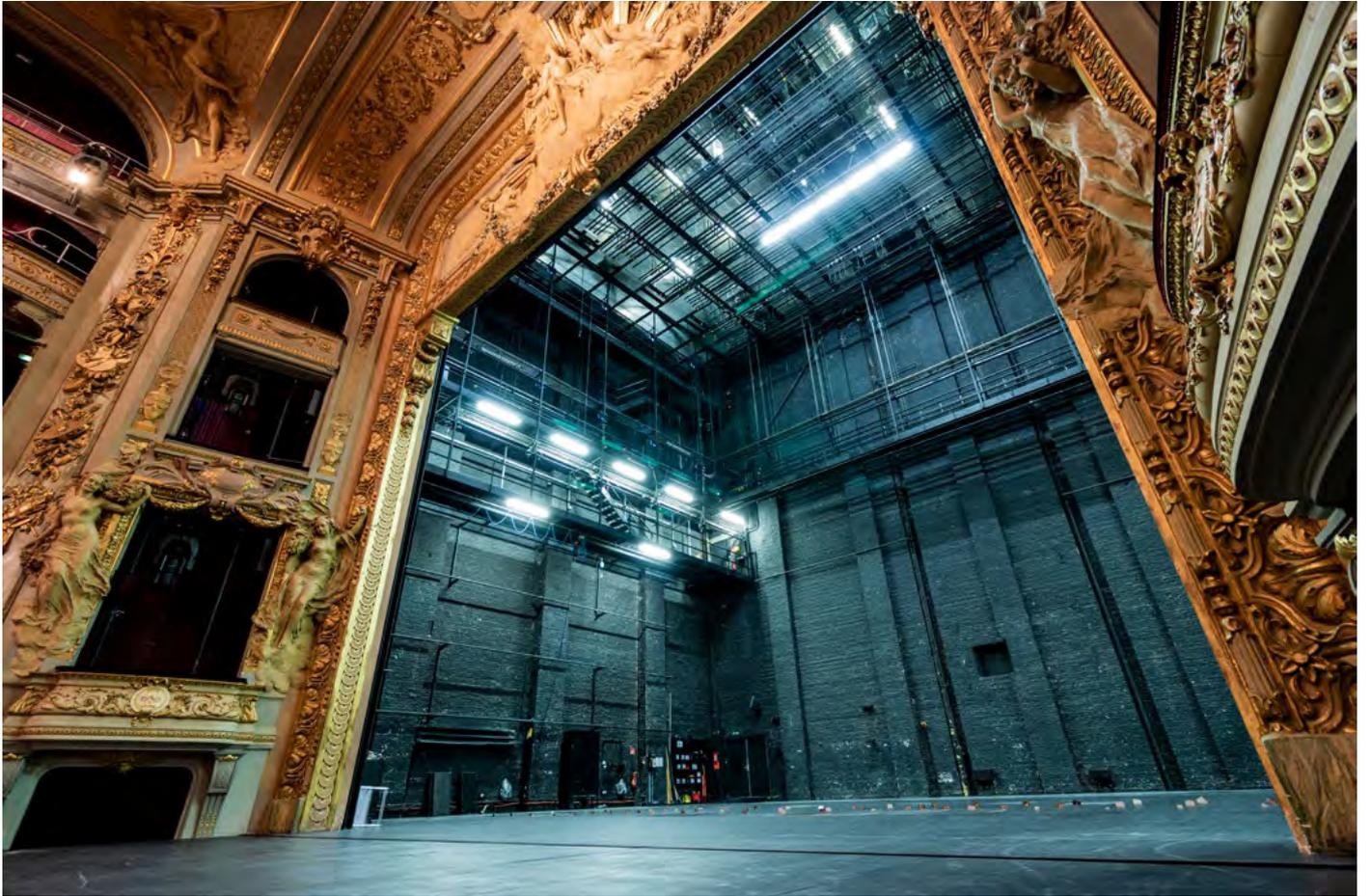


photo credit : JB Cagny

Links to  
Opéra de Lille plots

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## UNLOADING

### Access

boulevard Carnot, along the building

### Set lift

- Length 7.80m
- Width 2.55m
- Height 3.90m
- Maximum load 4 Tons



**Artists entrance:**  
2 rue des bons enfants  
59000 Lille

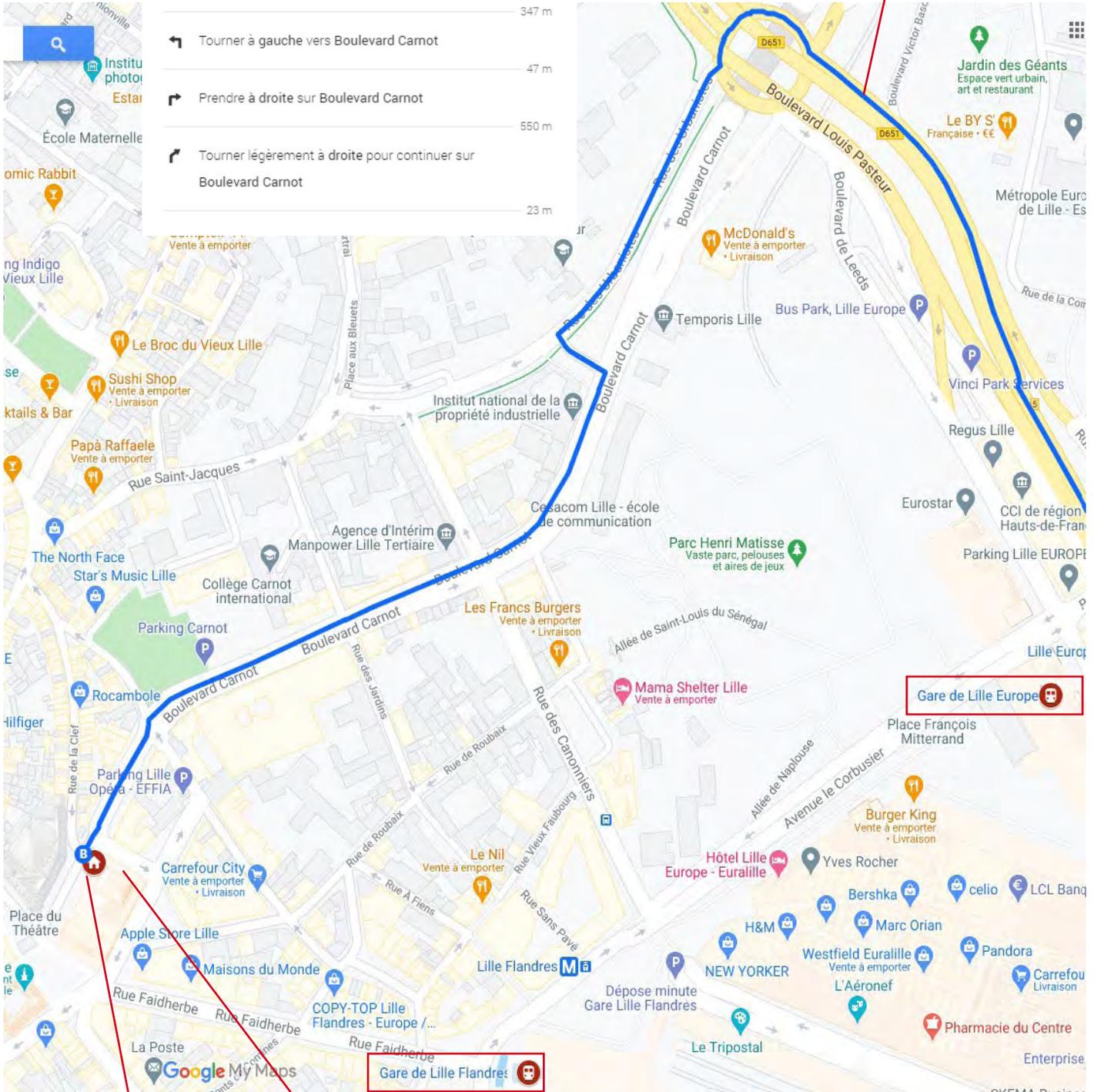
**Unloading access:**  
Bd Carnot, along the  
building



**Unloading access:**  
Bd Carnot, along the  
building

- ➡ Rester sur la file de gauche pour continuer sur D651  
1,44 km
- ➡ Prendre la sortie 5 vers La Madeleine-Romarin/Marcq en Baroeul  
306 m
- 📍 Au Carrefour Pasteur, prendre la 2e sortie sur Rue des Urbanistes  
347 m
- ➡ Tourner à gauche vers Boulevard Carnot  
47 m
- ➡ Prendre à droite sur Boulevard Carnot  
550 m
- ➡ Tourner légèrement à droite pour continuer sur Boulevard Carnot  
23 m

**From Paris or Bruxelles:**  
Exit n°5 La Madeleine-Romarin / Marcq-en-Baroeul



**Unloading access:**  
Bd Carnot, along the building

**Artists entrance:**  
2 rue des bons enfants  
59000 Lille

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## GRID

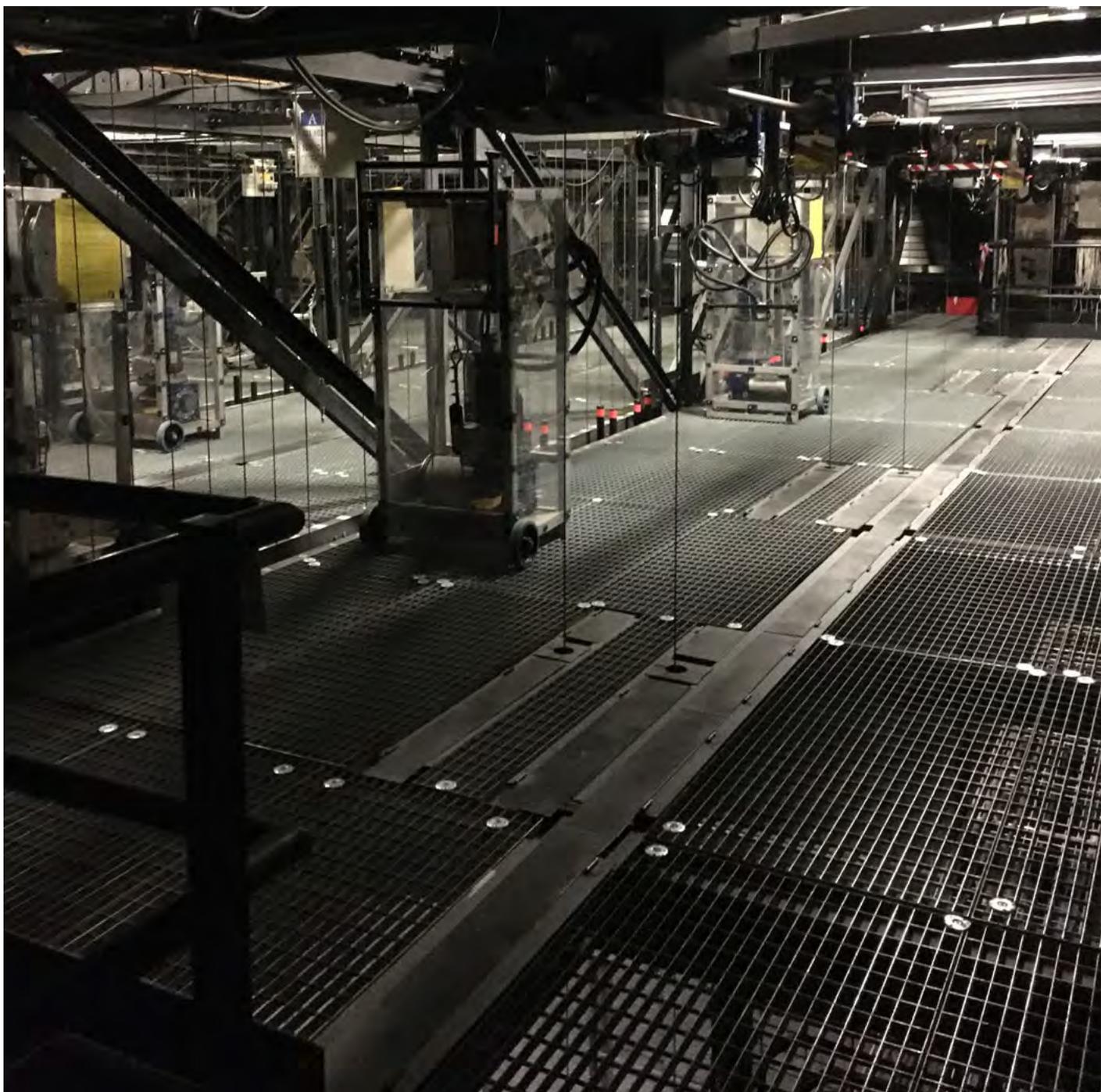
### Grid

- Height under grid 21.00m
- Height under fly bars 20.00m

### Fly bars

- Iron fly bars diameter 60.3 mm (6 cables) 17m (+ 2 x 1 m)  
3 dismantled parts (4/9 and 4.00m)  
+ 2 extensions of 1.00m
- Number of manual fly bars 500kg 35  
Note : 7 motors in the 1st below stage can motorized some manual fly bars. Variable speed 0.002m/s - 1,20m/s.
- Number of motorized fly bars 500kg 30  
Variable speed 0.002m/s - 1,20m/s.
- Number of motorized fly bars 750kg 1  
Variable speed 0.002m/s - 1,20m/s.
- Number of lateral motorized fly bars 200kg 8  
Regular speed 18 cm/s (no operation during the show)  
4 stage right, 2 plans  
4 stage left, 2 plans  
length stage right fly bars : 3 x 5.60m et 1 x 5.20m (+ 1 extension of 1 m for each fly bar)  
length stage left fly bars: 3 x 5.60m et 1 x 5.20m (+ 1 extension of 1 m for each fly bar)

(cf TABLE PAGE 17 – SUMMARY FLY BARS)



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## ORCHESTRA PIT

2 independent parts:

- One movable and motorized part
- One fixed part (under the stage)

### Movable part

- Width (stage side) 12.00m
- Width (stalls side) 12.80m
- Depth (axis) 3.40m
  
- Maximum load (static) 1000 kg/m<sup>2</sup>
- Maximum load (dynamic) 200 kg/m<sup>2</sup>
- Maximum load (shared) 2000 kg

### Fixe part

- Width (stage side) 12.00m
- Depth (axis) 4.25m
- Maximum load on risers 500 kg/m<sup>2</sup>

### Orchestra props

- Music stands 45
- Music stand lights (24V) 55
- Black seats 70
- Double bass seats 8

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## DRESSING ROOMS

### Orchestra pit floor

- 1 dressing room for musicians 70 persons

### Stage floor

- 2 dressing rooms 1 person
- 1 dressing room 3 persons
- 4 dressing rooms 2 persons
- 1 make-up room
- 1 green room

### 1st floor

- 2 dressing rooms 2 persons
- 5 dressing rooms 3 persons
- 1 dressing room 4 persons
- 1 dressing room 12 persons

### 4th floor

- 1 dressing room 10 persons
- 1 dressing room 16 persons

### Dressing equipment

- Washing machine 10kg 1
- Washing machine 8kg 1
- Washing machines 5kg 2
- dryer 14Kg 1
- drying wardrobe 1
- iron sets 5
- sewing machine 1 family sewing machine  
3 flat bed seamers  
2 sergers (with 1 family serger)



# FLY SYSTEM

Point 0 is the back of fire curtain.

DISTANCE FROM FIRE CURTAIN	N°	TYPE	DIAM.	working load limit distributed/under cable/between cables	DIMENSIONS	LIMITS	
or -3,45 m or -2,45 m	68	truss S300 - 4 block and tackle, fixed speed	50 mm		11 m		
0 m	0,00 m	Fire Curtain	Fire Curtain		Proscenium frame 10.85 x 9.45 m		
	0.22 m	69	Grand valance - black velvet border + subtitle				
	0.56 m	70	truss 450/300	50 mm	500 daN /400/200/200 daN	19.50 m	0 to 21.00 m
	0.90 m	71	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
1 m	1.10 m	72	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	1.30 m	73	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	750 daN /400/250/100 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	1.70 m	1	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	1.90 m	2	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
2 m	2.10 m	3	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	2.30 m	4	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	2.50 m	5	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	2.70 m	Grid structure					
3 m	2.90 m	6	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	3.10 m	7	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	3.30 m	8	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	3.50 m	9	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	3.70 m	10	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	3.90 m	11	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
4 m	4.10 m	12	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	4.30 m	13	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	4.50 m	14	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	4.90 m	16	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
5 m	5.10 m	17	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	5.30 m	18	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	5.50 m	19	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	5.70 m	Grid structure					
6 m	5.90 m	20	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	6.10 m	21	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	6.30 m	22	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	6.50 m	23	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	6.70 m	24	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	6.90 m	25	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
7 m	7.10 m	26	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	7.30 m	27	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	7.50 m	28	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	7.70 m	29	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	7.90 m	30	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
8 m	8.10 m	31	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	8.30 m	32	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	8.70 m	Grid structure					
	8.90 m	34	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m

DISTANCE FROM FIRE CURTAIN	N°	TYPE	DIAM.	working load limit distributed/under cable/between cables	DIMENSIONS	LIMITS	
9 m	9.10 m	<b>35</b>	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	9.30 m	<b>36</b>	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	9.50 m	<b>37</b>	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	9.70 m	<b>38</b>	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	9.90 m	<b>39</b>	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
10 m	10.10 m	<b>40</b>	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	10.30 m	<b>41</b>	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	10.50 m	<b>42</b>	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	10.70 m	<b>43</b>	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	10.90 m	<b>44</b>	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
11 m	11.10 m	<b>45</b>	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	11.30 m	<b>46</b>	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	11.50 m	<b>47</b>	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	11.70 m	<i>Grid structure</i>					
	11.90 m	<b>48</b>	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
12 m	12.10 m	<b>49</b>	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	12.30 m	<b>50</b>	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	12.50 m	<b>51</b>	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	12.70 m	<b>52</b>	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	12.90 m	<b>53</b>	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
13 m	13.10 m	<b>54</b>	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	13.30 m	<b>55</b>	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	13.70 m	<b>57</b>	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	13.90 m	<b>58</b>	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
14 m	14.10 m	<b>59</b>	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	14.30 m	<b>60</b>	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	14.50 m	<b>61</b>	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m
	14.70 m	<i>Grid structure</i>					
14.90 m	<b>62</b>	manual fly bar	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 21.00 m	
15 m	15.10 m	<b>63</b>	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	15.30 m	<b>64</b>	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	15.50 m	<b>65</b>	motorized fly bar - variable speed : 2mm/s to 1,20 m/s	60 mm	500 daN /200/200/150 daN	17 m + 2 ext. 1 m	0 to 20.00 m
	15.70 m	<i>3rd stage right and left catwalk: height 17,65m</i>					
	15.90 m						
16 m	16.10 m	<i>2d stage right and left + back catwalk: height 11,80m</i>					
	16.30 m						
	16.50 m	<i>1st stage right and left catwalk: height 8,80m</i>					
	16.80 m						
17 m	17.20 m						
	17.60 m						
	17.80 m	back wall					

DISTANCE FROM FIRE CURTAIN	N°	TYPE	DIAM.	working load limit distributed/under cable/between cables	DIMENSIONS	LIMITS
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LATERAL FLY BARS - STAGE RIGHT

right wall	front	75	motorized fly bar - fixed speed : 18 cm/s	60 mm	200 daN /200/200/150 daN	5,60 m + 2 ext. 1 m	0 to 20.00 m
9.8 m	back	76	motorized fly bar - fixed speed : 18 cm/s	60 mm	200 daN /200/200/150 daN	5,60 m + 2 ext. 1 m	0 to 20.00 m
axis	front	77	motorized fly bar - fixed speed : 18 cm/s	60 mm	200 daN /200/200/150 daN	5,60 m + 2 ext. 1 m	0 to 20.00 m
9.4 m	back	78	motorized fly bar - fixed speed : 18 cm/s	60 mm	200 daN /200/200/150 daN	5,20 m + 2 ext. 1 m	0 to 20.00 m

LATERAL FLY BARS - STAGE LEFT

left wall	front	79	motorized fly bar - fixed speed : 18 cm/s	60 mm	200 daN /200/200/150 daN	5,60 m + 2 ext. 1 m	0 to 20.00 m
9.8 m	back	80	motorized fly bar - fixed speed : 18 cm/s	60 mm	200 daN /200/200/150 daN	5,60 m + 2 ext. 1 m	0 to 20.00 m
axis	front	81	motorized fly bar - fixed speed : 18 cm/s	60 mm	200 daN /200/200/150 daN	5,60 m + 2 ext. 1 m	0 to 20.00 m
9.4 m	back	82	motorized fly bar - fixed speed : 18 cm/s	60 mm	200 daN /200/200/150 daN	5,20 m + 2 ext. 1 m	0 to 20.00 m

POINT HOIST

variable according to grid structure	grid	101	point hoist - variable speed : 2 mm/s to 1,20 m/s	350 daN		0 to 20.50 m
	grid	102	point hoist - variable speed : 2 mm/s to 1,20 m/s	350 daN		0 to 20.50 m
	grid	103	point hoist - variable speed : 2 mm/s to 1,20 m/s	350 daN		0 to 20.50 m
	grid	104	point hoist - variable speed : 2 mm/s to 1,20 m/s	350 daN		0 to 20.50 m
	grid	105	point hoist - variable speed : 2 mm/s to 1,20 m/s	350 daN		0 to 20.50 m
	grid	106	point hoist - variable speed : 2 mm/s to 1,20 m/s	350 daN		0 to 20.50 m
	grid	107	point hoist - variable speed : 2 mm/s to 1,20 m/s	350 daN		0 to 20.50 m
	grid	108	point hoist - variable speed : 2 mm/s to 1,20 m/s	350 daN		0 to 20.50 m
	grid	109	point hoist - variable speed : 2 mm/s to 1,20 m/s	350 daN		0 to 20.50 m
	grid	110	point hoist - variable speed : 2 mm/s to 1,20 m/s	350 daN		0 to 20.50 m
	grid	111	point hoist - variable speed : 2 mm/s to 1,20 m/s	350 daN		0 to 20.50 m
	grid	112	point hoist - variable speed : 2 mm/s to 1,20 m/s	350 daN		0 to 20.50 m
	grid	113	point hoist - variable speed : 2 mm/s to 1,20 m/s	350 daN		0 to 20.50 m
	grid	114	point hoist - variable speed : 2 mm/s to 1,20 m/s	350 daN		0 to 20.50 m
	grid	115	point hoist - variable speed : 2 mm/s to 1,20 m/s	350 daN		0 to 20.50 m
	grid	116	point hoist - variable speed : 2 mm/s to 1,20 m/s	350 daN		0 to 20.50 m

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## STAGE EQUIPMENT

### Masking and fabrics

#### ••• Back drops

Black velvet back drop - 19,00 m x 10,00 m	1
Black velvet back drop - 17,00 m x 10,00 m	1
Black velvet back drop - 14,00 m x 10,00 m	3
Black velvet back drop - 14,00 m x 8,00 m	2
Black velvet back drop - 11,00 m x 9,95 m	2
Black velvet back drop - 16,00 m x 9,45 m	1

#### ••• Borders

Black velvet border - 22,90 m x 2,90 m	1
Black velvet border - 21,00 m x 1,00 m	1
Black velvet border - 20,00 m x 4,00 m	5
Black velvet border - 18,00 m x 4,00 m	3
Black velvet border - 18,00 m x 3,00 m	3
Black velvet border - 18,00 m x 2,00 m	3
Black velvet border - 15,40 m x 4,00 m	3
Black velvet border - 12,00 m x 2,60 m	3
Black velvet border - 10,70 m x 1,45 m	1
Black velvet border - 6,00 m x 2,90 m	1

#### ••• Legs

Black velvet leg - 4,35 m x 10,00 m	6
Black velvet leg - 3,90 m x 9,45 m	6
Black velvet leg - 2,60 m x 9,45 m	6
Black velvet leg - 2,60 m x 12,00 m	2

#### ••• Gauzes

White gobelin gauze - 17,00 m x 10,00 m	2
Grey gobelin gauze - 17,00 m x 10,00 m	1
Black gobelin gauze - 19,00 m x 10,00 m	1
Black gobelin gauze - 16,00 m x 10,00 m	1

#### ••• Screens

Anthracite PVC screen - 19,00 m x 10,00 m	1
White PVC screen - 19,00 x 10,00 m	1
Blue-grey PVC screen - 18,00 m x 10,00 m	1
Grey PVC screen - 19,00 m x 10,00 m	1

#### ••• Reflectors

Reflector - 10,00 m x 10,00 m	1
Reflector - 7,85 m x 7,65 m	1

## Risers

### ••• Dimensions

2,00 m x 1,00 m	73
2,00 m x 0,50 m	3
1,10 m x 1,10 m	1
1,00 m x 1,00 m	4
1,00 m x 0,50 m	4
0,50 m x 0,50 m	3

legs: from 20cm to 100 cm



## LIGHTING EQUIPMENT

Lighting are focused through a cherry picker (maximum height: 11m) or through a ladder with stabilisers and platform and required harness (maximum height: 10m)

Harness is required for lighting focus from venue and technical rooms.

Please, note that all wires, traditional lights and fixed boxes are fitted with P17 european standard.

### Control desk and dimmers

- Lighting desk: ETC EOS Ti ; network sACN with EOS ION Xe version 3.2
- 1 Node ETC NET3 GATEWAY 4 Ports DMX
- 3 Nodes ELC DLN8GBX 8 Ports DMX
  
- Dimmer RVE (venue): 64 x 2000W
- Dimmer RVE (stage): 258 x 3000W + 22 x 5000W
- Movable dimmers 6 x 3000W: 14
- Movable dimmers 6 x 3000W Robert Juliat: 2

### Moving lights

MOVING LIGHTS with shutters Spot Led RGBW + CTO + CRI 850W	ROBE T2 PROFILE	14
MOVING LIGHTS with internal barndoor system Spot Led White 1000W	ROBE FORTE FRESNEL	7

### Traditional spotlights

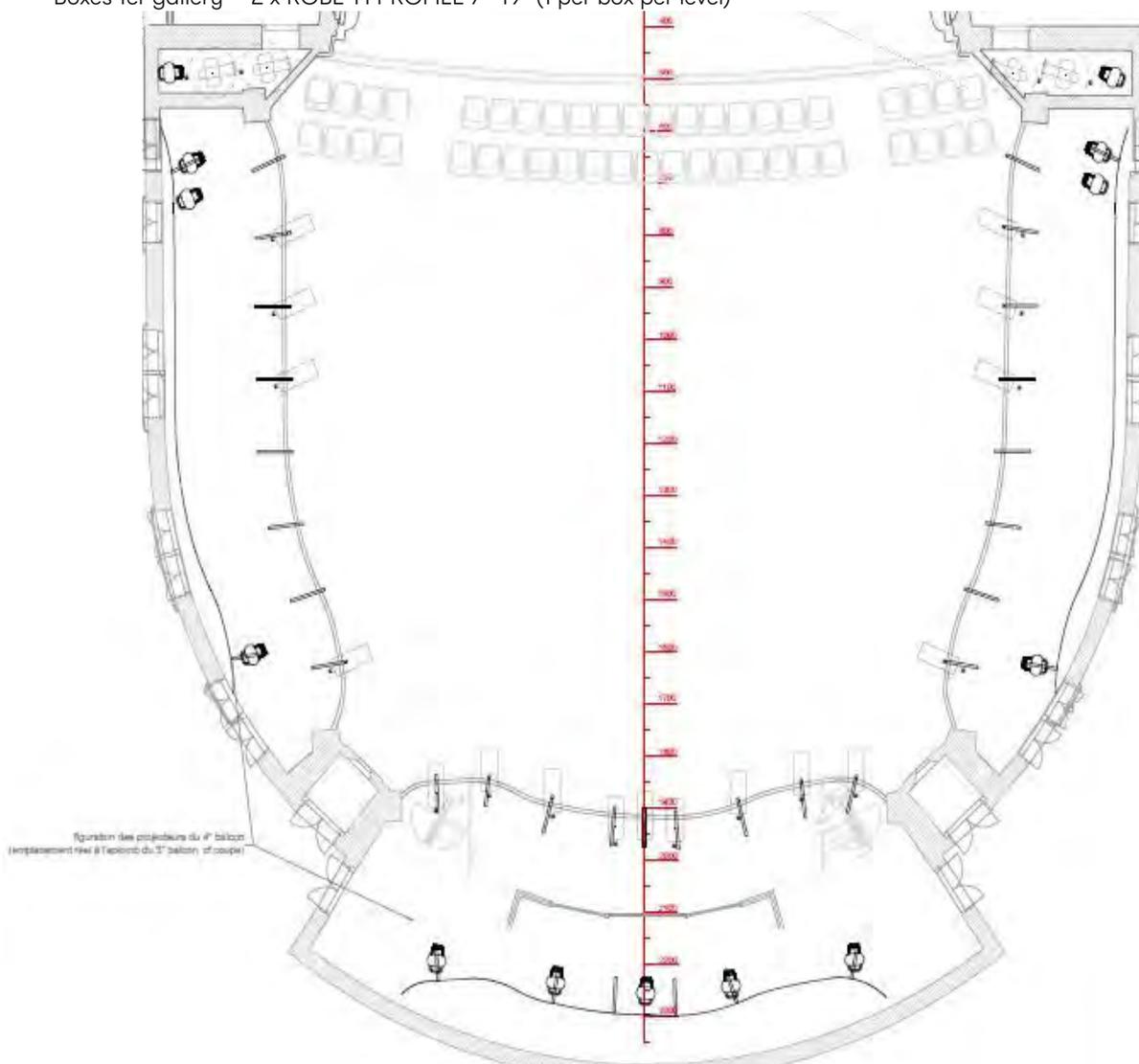
PAR can 64 1000W (CP60 9°12°, CP61 10°14°, CP62 11°24°)	KUPO	65
PAR can 36 (F1) – 30W - 5.5°		26
ZOOM PROFILE 1000W 16°-35°	ROBERT JULIAT 614 SX	20
ZOOM PROFILE 1000W 28°-54°	ROBERT JULIAT 613 SX	10
ZOOM PROFILE 2000W 15°-40°	ROBERT JULIAT 714 SX	20
ZOOM PROFILE 2000W 29°-50°	ROBERT JULIAT 713 SX	10
ZOOM PROFILE HMI 2500W 29°50°	ROBERT JULIAT 933SNX	2
ZOOM PROFILE	ROBE T11	12
P.C. light 1000W 8°-63° + BARNDOOR	ROBERT JULIAT 310 HPC	20
P.C. light 2000W 16°-72° + BARNDOOR	ROBERT JULIAT 329 HPC	30
FRESNEL LENS for P.C. light RJ 329HPC	ROBERT JULIAT 329 HF	20
ASYMETRIC FLOOD LIGHT 1000W 90°	ADB ACP 1001	25
FRESNEL 5KW 8°-54°+ BARNDOOR	ADB CH 50	4
FRESNEL 2.5 MSR OU 5 kW HALOGEN + BARNDOOR	BISON / ROBERT JULIAT	2
FOLLOW SPOT LED 600W 7° 14.5°	ROBERT JULIAT OZ	2
STROB LIGHT	MARTIN ATOMIC 3000	2
FOOT LIGHT LED COLD WHITE 6000K or RGB + W COLD WHITE (12 400K tubes available)	LDDE SPECTRACONNECT T5	24
FOOT LIGHT LED RGB + COLD & HOT WHITE	LDDE NANO PIX 1440	8

## Other equipments

UNIVERSAL SCROLLEUR for PAR Can / ZOOM PROFILE / PC LIGHT	DIAFORA NOVA/CS2	20
UNIVERSAL SCROLLEUR for 5KW	DIAFORA NOVA/STUDIO5000	5
BARNDOOR for FRESNEL HMI	ROBERT JULIAT JALOUSIE	3
LADDER for SPOTLIGHTS	Hanging height from 0 to 3m. Maximum 5 spotlights per ladder	12
STANDS for SPOTLIGHTS	Maximum height 2m50	10
HAZE MACHINE	MDG MAX 3000 APS	2
FROG MACHINE	VIPER	1
FROG MACHINE (battery)	SCOTTY II	1
FROG MACHINE (battery)	POWER TINY	2
SMALL FROG MACHINE (battery)	TINY FX	1
FOG MACHINE	BRITEQ	2

## Main stage equipment

- 4° gallery 11 x ROBE T1 PROFILE 7° 49°
- 3° gallery 18 x ZOOM PROFILE ROBERT JULIAT 614SX  
1 x ZOOM PROFILE ROBERT JULIAT 611SX on axis
- Boxes 3° gallery 2 x ROBE T1 PROFILE 7° 49° (1 per box per level)
- Boxes 2° gallery 2 x ROBE T1 PROFILE 7° 49° (1 per box per level)
- Boxes 1er gallery 2 x ROBE T1 PROFILE 7° 49° (1 per box per level)



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# SOUND EQUIPMENT

## Main Stage Equipment

### ••• mixing desk & peripheral equipment

- 1 mixing desk console: SSL Live300
- 1 concentrator unit Blacklight II MAD1
- 1 SSL ML32.32 32IN 32OUT analogue (stage)
- 1 SSL ML32.32 32IN 32 OUT analogue (nodal)
- 1 RME MADIFACE USB
- 1 RME FIREFACE UFX
- 3 CD players TASCAM CD1U
- 1 player/recorder TASCAM MD301
- 1 DVD player PIONEER DVD-V7300D
- 1 reverb TC electronic Reverb4000
- 1 mixing desk: Yamaha DM2000
- 1 preampli Yamaha AD8HR
- 1 Card Yamaha MY16AT
- 1 Card Yamaha MY8AE96
- 1 Card Yamaha MY8DA96
- 1 Card Yamaha MY8ADDA

### ••• PA system on stage (proscenium boxes)

- 6 speakers 15" L-Acoustics MTD115A
- 4 processor L-Acoustics MTD 115 LLCa
- 4 amplifiers L-Acoustics LA17

### ••• Movable PA system

- 4 speakers 15" L-Acoustics MTD115A
- 4 processors L-Acoustics MTD 115 LLCa
- 4 amplifiers L-Acoustics LA17
- 2 speakers 15" L-Acoustics MTD115b
- 1 processor L-Acoustics LLC115b-ST
- 1 amplifier L-Acoustics LA17
- 4 speakers 8" L-Acoustics MTD108
- 2 processors L-Acoustics MTD108LLCa
- 1 amplifier Lab Gruppen FP2400Q
- 4 speakers 8" L-Acoustics 8XT
- 3 amplified Controllers L-Acoustics LA4
- 2 SubWoofers L-Acoustics SB28
- 1 amplified Controllers L-Acoustics LA8
- 7 amplified speakers Yamaha MSP5
- 4 speakers 12" L-Acoustics X12
- 4 speakers 8" L-Acoustics X8
- 4 amplified Controllers L-Acoustics LA4X

### ••• Intercom HF

- Riedel Bolero Stand-alone system
- 25 Mobiles Bolero
- 6 antennas
- 4 chargers 5 intercom sets
- 1 NSA-002A

### ••• Microphones

- 1 Schoeps MSTC64Ug
- 5 Neuman KM140
- 4 Neuman KM150
- 2 Neuman GFM132
- 4 DPA4006ER paired
- 2 DPA4021 paired
- 1 DPA4099V
- 1 DPA4061 black
- 1 DPA 4088 black
- 1 DPA D-Fine cardioid flesh-colored
- 1 DPA D-Fine omni flesh-colored
- 2 AKG C480 + CK 69 ULS
- 4 AKG C5900
- 3 Shure SM58
- 2 Shure SM57
- 1 Shure Beta52
- 2 Sennheiser e614
- 2 Sennheiser MD421
- 2 Sennheiser MD441
- 1 EV RE20
- 2 DI Proco CB1
- 2 DI BSS AR133
- 2 DI Radial J48
- 1 DI stereo Radial JPC

### ••• Stands and other equipments

- 19 big stands with cast iron base and boom arm K&M 2645
- 19 big stands, tripod with boom arm K&M 252
- 12 small stands, tripod with boom arm K&M 259
- 4 small stands, tripod with long boom arm (not telescopic) K&M 259/1
- 3 table stands K&M 232
- 3 table stands K&M 234
- 2 black stands « Over-head » studio K&M 20811
- 10 speaker stands K&M
- 3 adaptaters microDot Shure DPA DAD6010
- 1 adaptater microDot Sennheiser DPA DAD6003
- 1 adaptater microDot XLR DPA DAD6001

### ••• Intercom

- 1 wired exchange Clearcom MS704
- 1 table set 1 channel KB211
- 1 table set 2 channels KB212
- 6 wired sets 1 channel RS501
- 1 wired set 2 channels RS502
- 2 wired sets 1 channel RS601
- 2 wired sets 2 channels RS602
- 4 wired sets 1 channel RS701
- 2 wired sets 2 channels RS702
- 1 Interface 4 channels 2wires/4wires Clearcom IF4W4

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## VIDEO EQUIPMENT

### ••• Video Projection

- 1 Barco HDX-W20 Flex with cradle
- 1 lens Barco TLD+ 2.0-2.8
- 1 lens Barco TLD+ 0.73
- 1 Panasonic PT-RZ120
- 1 cradle ET-RFD91
- 1 hanging truss Rigtec Atom Grip
- 1 lens Panasonic ET-DLE 085 0.8-1
- 2 lens Panasonic ET-ELT21 4.6-7.2
- 2 lens Panasonic ET-ELW20 1.3-1.7

### ••• Monitors

- 2 monitors LG 32" 32MP58HQ
- 1 Television LG32" 32LB5800
- 2 Televisions LED Panasonic 50" PANASONIC TX50GX700E
- 1 Television LED SONY 49"
- 2 monitors CRT21" JVC TM2100
- 3 monitors CRT 21" Sony Trinitron
- 3 stands with casters for screens 50" Audipack 700/2
- 13 monitors Neovo SX19

### ••• Movable Equipment

- 1 BlackMagic URSA Mini 4K EF (*for Conductor's video monitor*)
- 1 lens Canon EFS 17-55mm 2.8 (*for Conductor's video monitor*)
- 1 lens Sigma EF 150-600mm 5-6.3
- 2 Cards Cfast 2.0 128Go
- 1 BlackMagic Shoulderkit
- 1 BlackMagic Viewfinder
- 1 BlackMagic V-mount
- 2 batteries Hypercore 98 slim
- 1 battery charger Hypercore
- 1 tripod Sachtler Flowtech with ball joint Ace XL
- 1 transceiver set SDI Teradek Bolt 500
- 1 BlackMagic Ultrastudio 4k
- 1 BlackMagic Ultrastudio Mini recorder
- 4 Micro converters BlackMagic SDI HDMI Bidirectional
- 1 Micro converter BlackMagic HDMI to SDI
- 1 Mini converter BlackMagic HDMI to SDI
- 2 Mini converters BlackMagic SDI to HDMI
- 2 converters BlackMagic Terranex SDI fibre to HDMI
- 2 converters BlackMagic Terranex HDMI to SDI fibre
- 1 converter Digital Forecast Bridge X HS HDMI to SDI
- 4 converters Digital Forecast Bridge X SH SDI to HDMI
- 2 Cameras Cmos CVBS Velleman CAMCOLBUL2N1
- 1 IMAC
- 1 Macbook pro
- 2 graphic cards
- 1 extender over IP

### ••• Recording system (proscenium arch)

- 1 BlackMagic URSA Mini 4K EF
- 1 lens SIGMA 18-35mm 1.8
- 1 Blackmagic Video Assist
- 1 Blackmagic Ultrastudio 4K Extreme 3

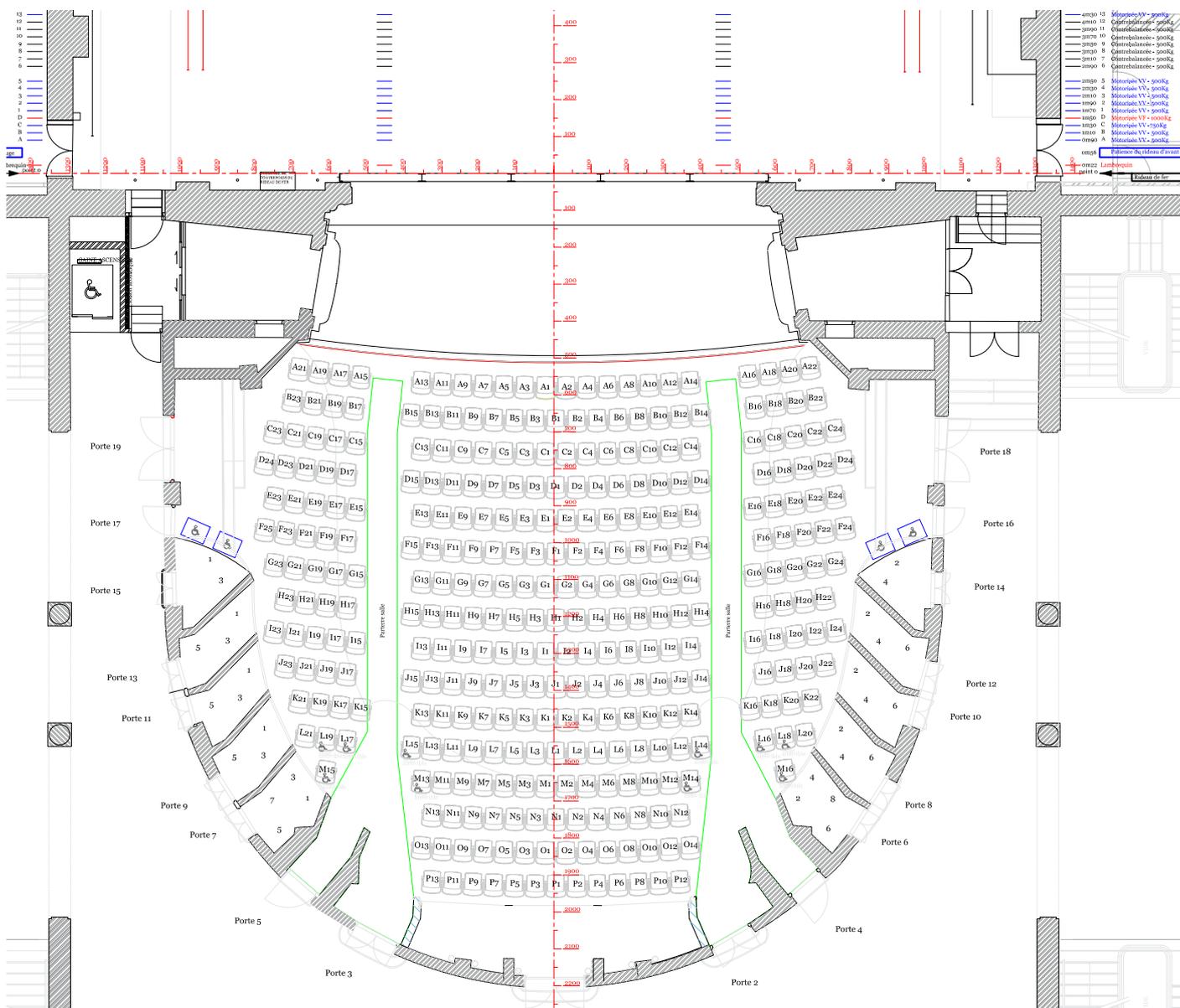
### ••• signal distribution

- 1 Distributor 3G-SDI Kramer VM-10HDxl
- 3 Distributors CVBS Kramer VM-80V
- 1 Distributor RGBHV Kramer VM-1055
- 2 monitors 14" CRT JVC TMA 140
- 2 Distributors CVBS Kramer VM-5S
- 1 Distributor CVBS Kramer 105VB
- 1 matrix switcher BlackMagix VideoHub 12x12
- 3 HUM Eliminator

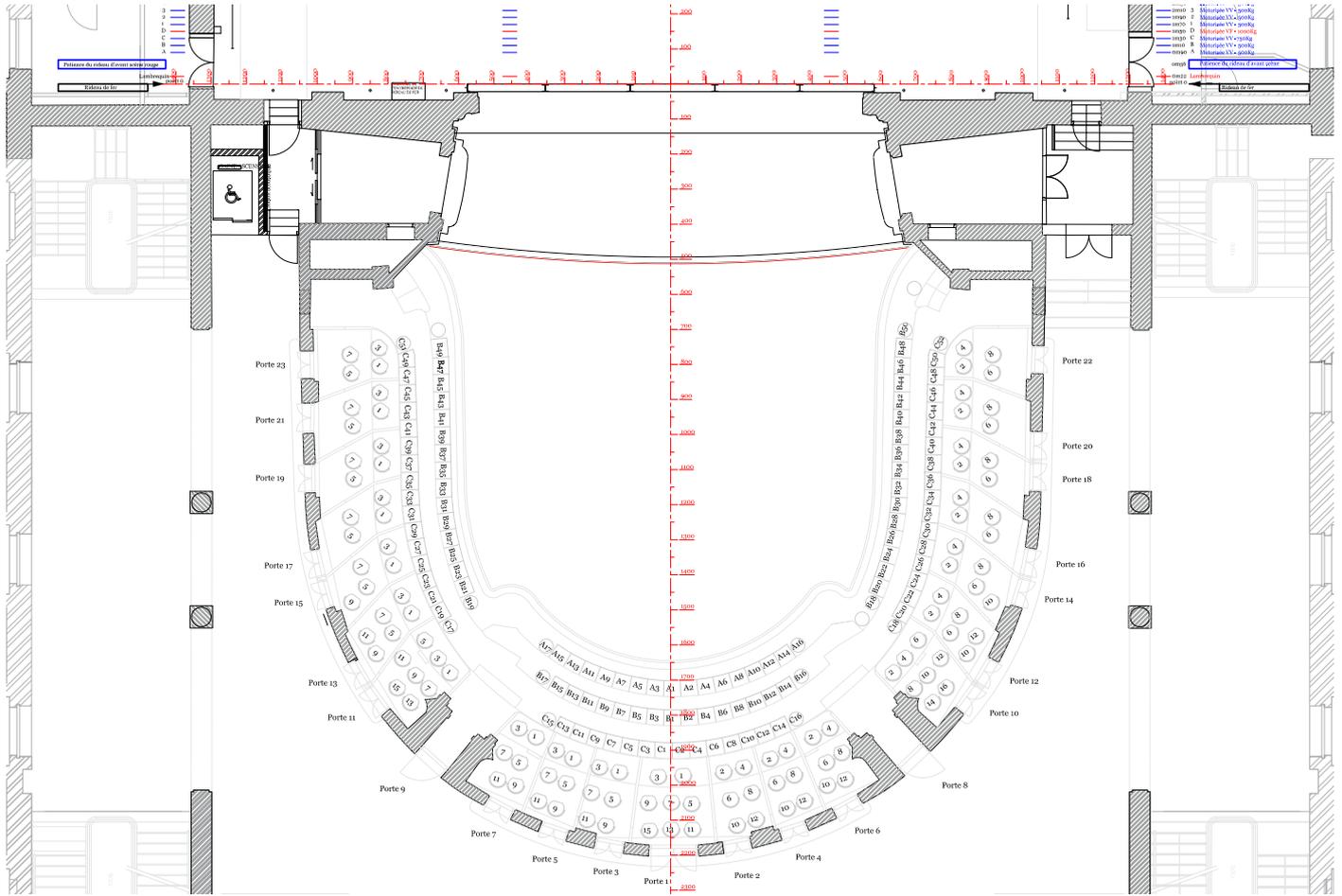


# MAIN STAGE – CAPACITY PLOTS

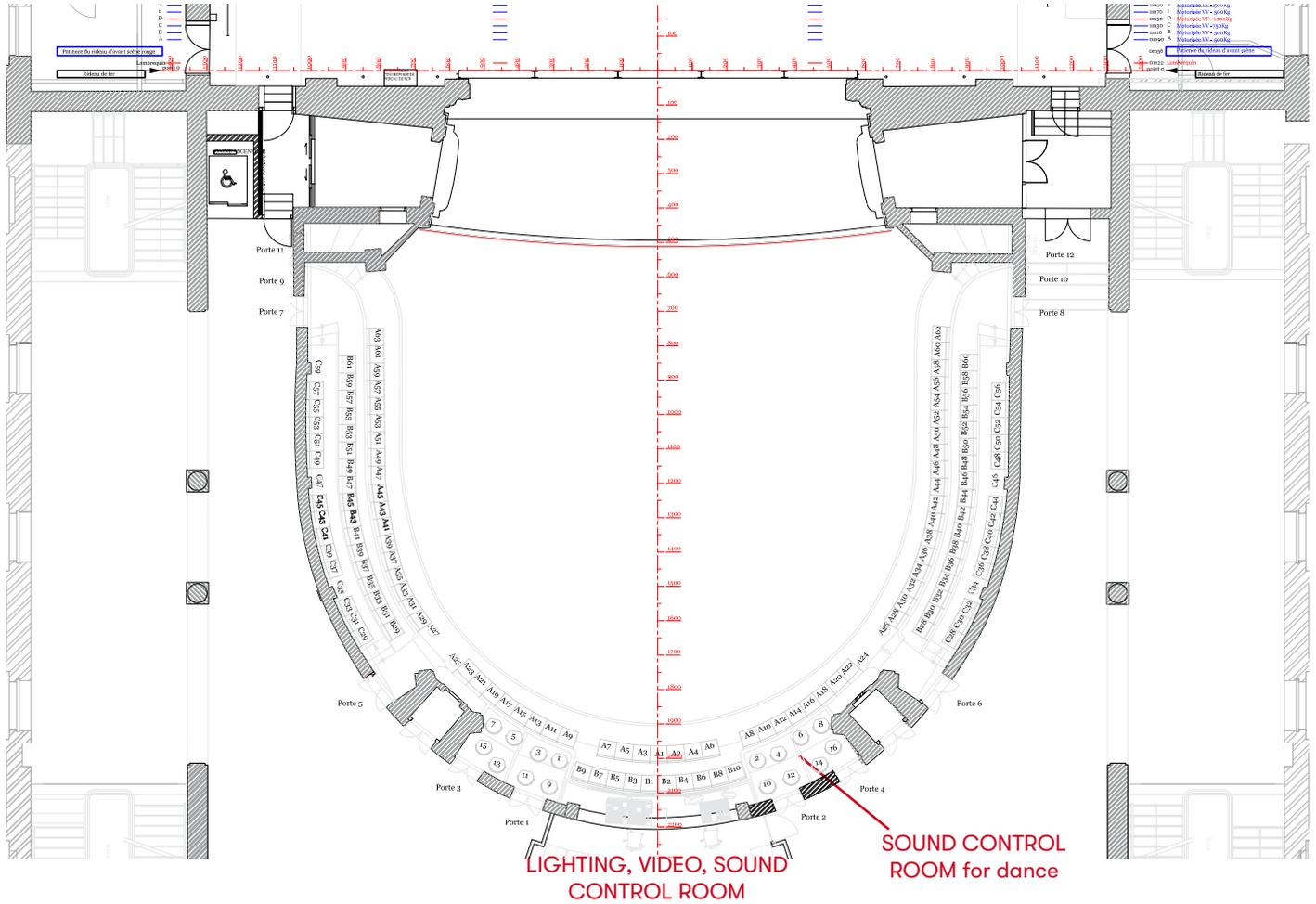
## STALLS



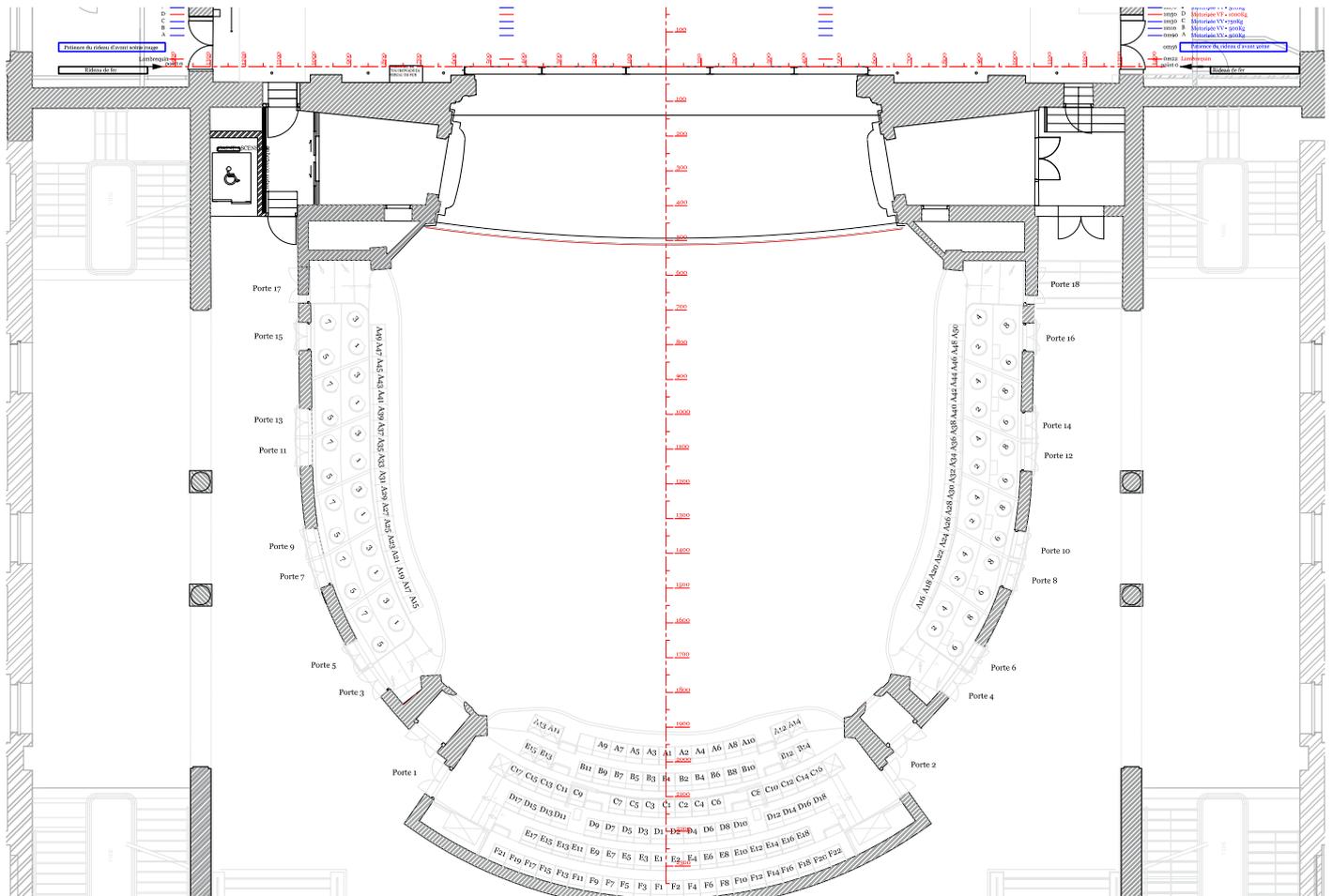
# 1ST GALERRY



# 2D GALERRY



### 3RD GALERRY



### 4TH GALERRY

