# **LE** DIAMANT



TECHNICAL SPECIFICATIONS HYDRO-QUÉBEC AUDITORIUM SEPTEMBER 2023

## **GENERAL INFORMATION**

Main Entrance and Box Office 966 Saint-Jean Street Québec, Canada G1R 1R5 **Stage Door** 785 Des Glacis Street Québec, Canada G1R 3R1

## CONTACT

#### Telephone

Administration	418-692-0330
Box Office	418-692-5353

Production Manager	Louise Roussel
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Technical Director	Simon Cloutier
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Assistant Technical Director	François Genest
	fgenest@lediamant.ca

## **ARRIVAL AND SECURITY**

Invited companies must review the emergency plan and safety rules of Le Diamant.

A controlled access system is in place in the theatre. A Diamant employee will explain the details once you arrive.

All workers must wear the adequate personal protection equipment (helmet, steel shoes and harness) in accordance with the safety measures.

Invited companies must declare all elements or activities that may require a special permit (pyrotechnics, armory or other). If needed, the companies may participate in the risk analysis to give context to the way these elements are used in the production.

## **TECHNICAL TEAM**

All activities and equipment are under the supervision of the in-house technical team and the technical direction of Le Diamant.

All staff needed for technical work will be provided by Le Diamant, in accordance with the established agreement.



## LOADING DOCK (see appendix 1)

961 Richelieu Street, Québec G1R 3R1.

All equipment must travel through a corridor connecting the loading dock to the main building in order to reach the freight elevator.

## No object can exceed either one of these measurements

Maximum hei	2,6m	8'-10"
Maximum wid	1,5m	5'
Maximum len	9m	30'

## **DOOR A**

Accessed by Richelieu Street, Level S2.

All equipment must travel through a smaller freight elevator between basements S2 and S1.

Dimensions of the lift be	Dimensions of the lift between Levels 52 and 51		
Height	2,4m	8'	
Width	1,2m	5'-9"	
Length	3,3m	10'-8"	
Maximum capaci	1 588 kg	3 500 lbs	

## Dimensions of the lift between Levels S2 and S1

## DOOR B

Loading dock with garage door giving access to level S1

Height	2,7m	9'
Width	2,4m	8'
Height of dock	1,3m	51"

This access is situated under the adjacent theater.

All truck maneuvers can block circulation on the street.

All deliveries must be coordinated at least 7 days prior.

## MAIN FREIGHT ELEVATOR (see appendix 2)

For all equipment, the stage must be accessed by the main freight elevator. The opening of the elevator is level with the proscenium, on stage left.

Height	2,7m	9'
Width	2,5m	8'-5"
Length*	6,7m	21'-8"
Maximum capaci	7,5 tonn	es 16 500 lbs

\*Longer stage elements may access the stage using the orchestra pit elevator.

## **CONFIGURATION AND CAPACITY**

## **PROSCENIUM CONFIGURATION (see appendix 3.1)**

The proscenium configuration uses two sections of bleachers: One set of bleachers on the orchestra pit with a 15% incline and one set of retractable bleachers with a 42% incline for the main section.

It is possible to reduce the seating by using only the main bleachers to make space for either an orchestra pit or a small stage of a maximum height of 840mm (33 inches) by using the orchestra pit elevator.

SEATING CAPACITY	
Maximum capacity	642 seats

Sections	Rows	Nb seats
Main Bleachers	AàP	419 seats
Back bleacher (Balcony)	Q	28 seats
Orchestra pit bleachers	AA à GG	195 seats
Wheelchair spaces *	A ou Q	4 (max 16)

\*One wheelchair space requires the space of 2 regular seats.

A sound booth is available in the middle of the last row (row Q), where approximately a dozen seats are removed.

## **BLACK BOX CONFIGURATION (voir appendix 3.2)**

The stage and the front of house are on the same level, which is the ground floor of the building (same level as the main entrance on Saint-Jean street).

The front of house, without bleachers, can extend the stage space and transform into various configurations.

The capacity of the space must be analysed according to the set up plan of the event.

In any case, the capacity of the Black box configuration cannot exceed 905 persons, including all artists and staff.

## **DIMENSIONS AND INFORMATION (see appendix 4)**

## STAGE

#### Proscenium arch, steel, painted black

Width	17,4m	57'-1"
Height	10,34m	34'

#### Measurement from the zero point

Width of proscenium arch	0,5m	18"
Apron (downstage)	1,5m	59"
Upstage wall	13,39m	43'-11"
Last lineset	12,57m	40'-11"

#### Measurement from the center line

Lateral lineset (automated)	10,6m	34'-9"
Fly gallery	11,75m	38'-7"
Stage Left Wall	15,54m	50'-11"
Stage Right Wall (counterweight rigging system)	12,9m	42'-4"

#### Clearance

Under the fly system	19,78m	64'-11"
Under the grid	20,7m	67'-11"
Under the catwalks	8,9m	29'-2"
Downstage left backstage	4,8m	15'-9"
Upstage left backstage	3 <i>,</i> 4m	11'-2"

#### Floor

Resilient wood stage with a Mondo type rubber with 3mm thickness

It is not permitted to screw into the floor.

Weight capacity	7 kPa	150lbs/sq.ft.
Height of the stage from first row (AA)	84cm	33"

#### **ORCHESTRA PIT**

The stage elevator, without rows AA to GG, can descend to create an orchestra pit for up to 50 or 60 musicians, depending on the instruments.

The orchestra pit is covered by a safety net.

The conductor's podium must be built with risers.

Width of the pit	17,5m	57'-4"
Width beneath the stage	12m	39'
Depth at pit level	9,8m	32'
Height between pit and stage	3,16m	10'-4"

## **DIMENSIONS AND INFORMATION (continued)**

## FRONT OF HOUSE

## Dimensions

Between lateral galleries	18m	59'
Width of the galleries (min)	0,68m	27"
Length	23m	75'-3"

## Clearance

Under the grid	10,36m	34'
Under the hanging beams	12,8m	42'
Under the lateral galleries	3,6m	12'

## Floor

Resilient wood floor covered with hardwood flooring painted black.

It is not permitted to screw into the floor.

Weight capacity 7 kPa 150lbs/p2
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## BOOTHES

The boothes are on the 3rd level, just over the entryways of the venue.

2 boothes for follow spots, with a full pane of glass.

3 boothes with sliding doors and a table with adjustable height.

Each booth is air conditioned and can hold a video projector inside.

## TRAPS AND RIGGING ANCHORS

There are no traps beneath the floor.

Cable troughs are integrated in the resilient floor, where threaded anchors are evenly placed.

• FRONT OF HOUSE: 10 anchors in the floor, evenly placed in the cables troughs on each side.

Safe working load (SWL)	1800 lbs = 8kN All directions

ORHCESTRA PIT: 6 anchors in the floor, evenly placed in the cables troughs on each side.
 Safe working load (SWL)
 1800 lbs = 8kN All directions

FRONT OF HOUSE WALLS: 16 vertical anchors, evenly placed on the acoustic walls on

each side of the venue.

Safe working load (SWL)	1800 lbs = 8kN All directions
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STAGE: 13 anchors in the floor, evenly placed in the cable troughs on each side and behind the stage.

Safe working load (SWL)	1800 lbs = 8kN All directions
Possibility of using the Yoke 28-P204-021L swivel (4) type anchors <b>ON STAGE ONLY.</b>	
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Safe working load (SWL)5000 lbs = 26kN All directions

\*\*NOTE THAT THE YOKE TYPE ANCHORS CANNOT BE USED ON THE ANCHORS ON THE ORCHESTRA PIT OR ON THE WALLS\*\*

These safe working loads are calculated with a static charge. If the anchor is used with a dynamic charge, a specific factor should be applied depending on the discipline, the weight of the acrobat and their equipment.

The factors applied need to be approved by the technical director of the theater.



## HANGING

## STAGE

## Counterweight underhung rigging system

49 double battens, single purchase counterweight.

Operated from stage right or the fly gallery if needed.

Capacity		17,4m		900 kg	2 000 lbs
Point load		10,34m		150 kg	330 lbs
Length		19,5m	64'		
Extension (30 uni	its total)			0,9m	36"
Space between		17,4m		0,25m	10"
Maximum		10,34m		19,78m	64'-11"
Minimum Height		1,2m	4'		

2 upstage to downstage single speed automated double battens per side to close off each wing Programmable height

Capacity	900 kg	2 000 lbs
Point load	150 kg	330 lbs
Speed	0,7 m/s	20'/min
Length	5,65m	18'-6"
Maximum height	18,28m	60'
Minimum height	1,2m	4'

## Grid

The grid floor is available for the installation of any additional equipment.

A 1T motorised hoist is installed in an access well, stage right between batten 44 and 45.

Height under the hanging beams	23,5m	77'
Distributed capacity	15 T	33 000 lbs
Maximum point load	2 T	4 400 lbs

## Lateral walls

A pin rail is positioned on the wall in both of the wings (stage right and left)

Height of the rail	3m	10'
Maximum point load	225 kg	500 lbs

## **Fly gallery**

The fly gallery is on all three sides of the stage.

A pin rail is available on stage right and stage left.

Height of the rail	10,5m	34'-3"
Maximum distributed capacity	4 500 kg	10 000 lbs



## HANGING (continued)

## FRONT OF HOUSE (see appendix 5)

## Front of house grid

The technical ceiling of the front of house is a grid, with the same specifications as the grid onstage.

The grid has 3 openings to hang lighting or other technical equipment. FOH 1 to 3.

The ceiling of the grid has 7 hanging beams that can accommodate hoists.

The grid floor is available for the installation of any additional equipment.

It is possible to hoist material up to the grid at FOH 2.

Clearance on the grid	2m	78"
Total distributed capacity	30 T	70 000 lbs
Maximum point load	2 T	4 400 lbs

## **Galleries and passageways**

Projectors and other equipment can be hung within the arches on each gallery.

Threaded anchors are evenly placed on the galleries.

Fixation	3/4"-10 UNC
Safe working load	1800 lbs - All directions

## Booth wall

A hanging pipe is available behind Row Q.

## RIGGING

## HANGING STRUCTURE

Lighting truss, black, 8'/ 2,4m (Arcofab TTD 1212-S)	12
Ligting flat-truss, black, 8'/ 2,4m (Arcofab TTD LA12-096S)	12
Lighting flat-truss, black, 4'/ 1,2m (Arcofab TTD LA12-048S)	12

## **MOTORISED CHAIN HOISTS**

Motorised chain hoists, single speed.

Hoist D8+, 500 kg	4
Hoist D8+, 1000 kg	4
Control kit for hoist (4 channels)	2

## **SLINGS AND HARDWARE**

The equipment and accessories necessary for rigging are available on demand. Slings, shackles, Steelflex, beam clamps and beams.



## **DRAPERY** (see appendix 6)

All of the curtains are made of black velvet.

## 1x House curtain (black, 100% fullness)

Opening (guillotine or traveller), maneuver at stage right, batten 3.

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Wi	dth					20m	67'-0"
Hei	ight	t				8,9m	29'-6"

#### 7x Borders (no fullness)

Width	19,5m	64'
Height	3m	10'

#### 1x Border (no fullness)

Width	18,2m	60'
Height	3m	10'

#### 6x Pairs of legs (no fullness)

Width	3,6m	12'
Height	8,9m	29'-6"

## 1x Full stage black traveller (50% fullness)

On rails, maneuver at stage right, batten 23.

Width	20m	67'
Height	8,9m	29'-6"

## 1x Full stage black backdrop (no fullness) - upstage

Width	19,5m	64'
Height	8,9m	29'-6"

#### 4x Upstage to Downstage Black curtain (per side)

On rails, under the fly gallery.

Width	3,3m	11'
Height	8,8m	29'

## 1x Black scrim

Width	19,5m	64'
Height	8,9m	29'-6"

#### 1x Cyclorama, grey PVC

Width	19,5m	64"
Height	8,9m	29'-6"

## FRONT OF HOUSE ACOUSTIC TREATMENT

The gallery and passageway walls on each side are covered in 100% fullness black velvet.



# ELECTRICAL

## AVAILABLE CONNECTORS

Lighting

Lighting	
Upstage left:	
Camlock 3Ø 120/208V	400 A
Video	
Upstage right:	
Cam lock 3Ø MALTI 120/208 V	200 A
Sound	
Upstage right:	
Cam lock 3Ø MALTI 120/208 V	200 A
Rigging	
Technical ceiling, front of house:	
Camlock 3Ø 120/208V	200 A
Twist lock 3Ø 208V 50A (HBL-CS8369)	4x
Stage grid:	· · · · · · · · · · · · · · · · · · ·
Twist lock 3Ø 208V 50A (HBL-CS8369)	2x
Upstage left:	
Twist lock 3Ø 208V 30A	1x

## CONNECTOR TYPES AND CAPACITY

Service, tools and utility	Туре	
120V 15A	Nema	5-15

Sound	and	vid	eo

Sound and video	Туре	
120V 15A, MALTI	Nema	5-15
120/208V 30A, MALTI	Nema	L14-30
Fixed power supply	CEE 32A	1Ø 6h

Lighting	Туре		
Dimmable 120V 20A	Nema	L5-20	
6 circuits, 120V 20A	SOCAPEX	4/19	
Fixed power supply	CEE 32A	1Ø 6h	

Boothes
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120V 15A, MALTI	Nema	5-15
120/208V 30A, MALTI	Nema	L14-30
208V 30A	CEE 32A	1Ø 6h



## LIGHTING

## PROTOCOLS

XLR-5 (DMX) connectors and Ether-Con can be used for lighting control. The dimmers and house light controls are in the universe DMX-A

DMX, ACN and Artnet protocols can be used and distributed throughout the theatre.

3 Concentrator / Converter	ETC RSN 4 out
2 Opto-splitter (2x 5 sorties)	LumiSplit 2.10

## DIMMERS

All lighting circuits can be configured individually according to the use and charge (dimmer, relay or nondim).

Quantity	332
Tension	120 V
Power	2,4 kW

## CIRCUITS

Lighting circuits are distributed by SOCAPEX 4/19 multicables and Nema L5-20 plugs.

Circuit distribution:

Orchestra pit	6
Stage Left	18
Stage Right	18
Stage box, Stage left	60
Stage box, Stage right	60
Front of house, left	10
Front of house, right	10
Back of audience, booth level	6

Circuits in house, FOH and bridges can be redistributed with multicables.

FOH left gallery	24
FOH right gallery	24
FOH 1	24
FOH 2	24
FOH 3	24

## CONSOLE

MA Lighting system

GrandMA3 compact XT console Remote control on digital tablet



# LIGHTING (continued)

## PROJECTORS

Leko	
ETC S4 750W (body only)	72
10 deg lens	12
19 deg lens	12
26 deg lens	36
36 deg lens	24
50 deg lens	12
ETC S4 Zoom 15/30 deg 750W	18
ETC S4 Zoom 25/50 deg 750W	18
Iris for S4	24
Gobo holder type B for S4	36

## Fresnel

Robert Juliat 8" 1Kw	36

## Par

ETC 750W (+ various lenses )	36
ETC PARNel 750W	12
Chauvet Colorado 2 Solo LED	12

## **Cyclorama lights**

Elation SEVEN Batten 72	9

## ACCESSORIES

DMX Gateway, ETC RSN 4 ports	1

## Smoke machine

MDG Atmosphere DMX	1
DMX Ventilator	1
MDG Minimax DMX	1

## HANGING

Lighting ladders (Altman 264)	4
Floor base	12
Floor plate	12
6ft/ 1,83m pipe	6
8ft/ 2,44m pipe	8
12ft/ 3,66m pipe	4
Side arm 12 inches/ 0,3m	24
Side arm 36 inches/ 0,91m	6
Sandbag (15 lbs/6,8 kg)	24



## LIGHTING (continued)

## CABLES

Y-connector (two-fer)	36
Socapex Splay - L5-20	20
Socapex Splay - 5-15	2
Adaptor CEE 32A 1Ø @ 2x L6-15	2

## SOUND

## MAIN SOUND SYSTEM

In its basic configuration, the sound system is made to offer a complete and surround sound in the proscenium stage configuration.

Left, right	4 channels	Line array D&B, 7 x 10AL per side	
Centre	2 channels	Line array D&B, 7 x T10	
Sub	4 channels	D&B V-sub	4
Floor level	2 channels	D&B E12D	2
Apron	2 channels	D&B E5	6
Surround	12 channels	D&B E8	12
Onstage effects	2 channels	D&B E12	2
Stage monitors	2 channels	D&B M6	2

The speakers and amplification channels are distributed as follows :

## SIGNAL DISTRIBUTION

The digital processor manages the switch and signal control.

## QSC510i

Available ins:

32x	Dante
6x (12 channels)	AES3
16 channels	AES3
	(Cinéma)*

\*DCI configuration only

All speaker links are Speakon NL4.



# SOUND (continued)

## CONSOLE AND CONTROL

#### Yamaha CL3

26 faders/ 8 bus/ 2 master Maximum capacity: 64 mono + 8 stereo Dante network 1 x Yamaha Rio 3224 D2 extension bay Fixed in the AV room \*Adjustable table for in house position

## Mobile extension bay (patch box)

Yamaha Rio 3224 D2 extension bay	1
Yamaha Rio 1608 D2 extension bay	1

#### **CD** players

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## **Reference monitor**

Neuwman KH 120AG	2

## MICROPHONES

#### Wired microphones

Shure, SM58	4
Shure, SM57	6
Shure, Beta52	1
AKG, C414 XLS	2
AKG, PCC-160	2
Sennheiser, e965	2
Sennheiser, e902	1
Sennheiser, e904	4
Sennheiser, e906	2
Sennheiser, e835-S	3
Audio-technica, ATM-35	4
Rode, NT5-MP	4

## Wireless microphones

4 channel receiver, Lectrosonics VRM2WBL (fixed)	1
Wireless handheld microphone, Shure Beta 58A, Lectrosonics Hha	2
Belt transmitter (belt pack) Lectrosonics SSM	6
DPA 4066 Beige headset	4
Lavalier microphone DPA 4060, Beige	6



# SOUND (continued)

## Accessories

Direct box, active and passive (DI)	18
Multiple adaptors	· ·

#### **Microphone stands**

Articulated microphone stand, black	18
Small articulated microphone stand, black	8
Articulated microphone stand on wheels, black	4
Table microphone stand, black	4
Straight microphone stand, round base, black	6

## CABLES

## Speaker

Speakon NL4, multiple lengths

## Microphones

XLR3, multiple lengths	
12 channel snake, XLR-3 input to V37	3
Veam37 to 12 male XLR-3 splay	1
Extension Veam37 length 7,5m/25 ft	4
Multicable 4 XLR3, length 30m/ 100 ft	1
Multicable 16 XLR3, length 15m/50 ft	2
Sub-Snake 12/4, XLR3, length 15m/50 ft	1

## VIDEO

## SIGNAL DISTRIBUTION

Video connections are on level 3 near the boothes The signal may be distributed throughout the theatre, through the various wall plates

## FORMAT, CABLES AND CONNECTORS

3GSDI	BNC
Cat6e Network	EtherCon
ISingle mode fiber optic	OpticalCon
	(LC Duplex)

## CONVERTERS

	Recorder/encoder, AJA Helo	1
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## **VIDEO (continued)**

#### Video signal processing, ensemble AJA OG

Signal booster SDI, 1 in / 4 out	4
SDI to HDMI Converter	1
HDMI to SDI (12G) Converter	1
SDI Converter/ Single Mode Fiber Optic	1
Encoder / decoder audio, 3G SDI, 8 channels	1

## **MOBILE EQUIPMENT**

Theatrixx XVV Converter

HDMI @ SDI	2
SDI @ HDMI	2

## **PROJECTOR\***

\*Additionnal fees may be applied.

Epson laser Pro L1755UNL WUXGA 3LCD, 15 000 lumens	1

#### Lenses

Short throw (ELPLU03)	0.48-0.57 :1
Short Throw (ELPLW05)	0.77-1.07 :1
Long Throw	1.8-2.35 :1
Standard Zoom Lens (ELPLM10)	2.42-3.71 :1

#### **Projection screeen**

Draper focal point, front facing, black frame, 16'X9'	1

## **CINEMA CONFIGURATION**

#### Screen and legs:

Strong Vista retractable, Matte white, gain of 1 Black velvet legs

## **Projection format**

Flat (standard DC	38'-6"/11,73m length	22'/6,7m height
Scope	38'-6"/11,73m length	17'/5,18m height
Projection distan	82'9"/25m to the booth	

\*A 20K lumen projector is required to get the DCI standard @ 7.5 fc nominal.

The 7.1 audio configuration is calibrated according to the DCI standard. The AES3 connection is through 2 CAT6e cables.



## **COMMUNICATION - PROGRAM SOUND AND VIDEO**

## CALL SYSTEM AND PAGING

The paging system covers the dressing rooms, the green room and the staircase leading to the stage. Synchronised clocks are also in the green room, the backstage and the booth.

## Video Return

1 Infrared camera	Marschall HD-SDI
1 Remote controlled camera	Panasonic HD-SDI
1 Infrared emitter	

Video monitors	Green room
	Production office
	On stage, left and right
	In the foyer, before entering the

#### INTERCOM

## Wired Intercom

ClearCom, HelixNet series	
2 channel beltpacks, ClearCom BP-4x	8
Intercom headset, ClearCom CC400	8
Table base, ClearCom HKB-2X	1

## Wireless Intercom

Riedel, digital 6 channels	
Riedel BPK 1006 beltpacks	8
Intercom headset, ClearCom CC300	8
NSA-002 Interface	1



## **EQUIPMENT AND TOOLS**

## RISERS

Risers 4' x 4'/1,21m x 1,21m	18
Risers 4' x '8/1,21m x 2,44m	28
Riser 2' x 4'/0,61m x 1,21m	on demand
Handrails 4'/1,21m	22
Legs of various heights (8", 16", 32", 48")	

## **STAIRS**

Mobile stage stairs (840mm/ 33 po)
8 inch steps

## LADDERS

4'/1,22m ladder	1
5'/1,50m ladder	1
6'/1,83m ladder	2
10'/3m ladder	1
12'/3,66m ladder	2

## VERTICAL MAST LIFT

	Genie AWP 40s	1
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## TOOLS

A set of tools is available for technical work.

## **COSTUME MAINTENANCE**

A laundry room is available next to the green room, in the dressing room area.

The following equipment is available:

2 washers
2 dryers
1 steamer
1 iron + ironing board
1 worktable
1 sewing machine



## **DRESSING ROOMS (see appendix 7)**

The dressing rooms are in the basement, beneath the stage. They include a green room, a production office, a laundry room and dressing rooms to accommodate 28 people.

A staircase leads to stage right.

There is no direct access between the dressing rooms and stage left.

A crossover must be planned upstage for any crossing between stage right and left.

The orchestra pit is also accessible through the green room.

**Dressing room A** For 1 person, or makeup, with private toilet and shower.

Dressing room B For 2 people

Dressing room C (accessible) For 2 people

**Dressing room D** For 4 people.

**Dressing room E** For 4 people.

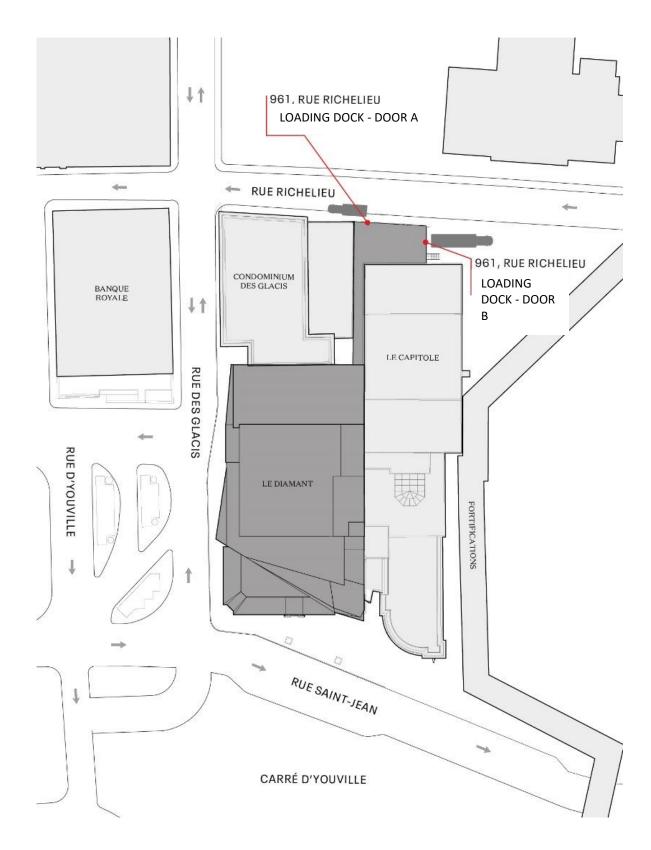
**Dressing room F** For 5 or 8 people

**Dressing room G** For 4 or 7 people with toilet and shower.

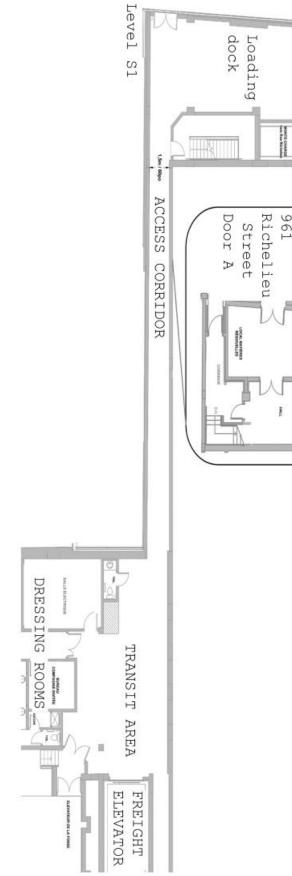
A door can be opened between Dressing rooms F and G to create one larger dressing room.

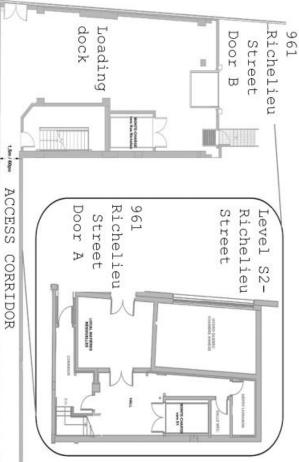


# **APPENDIX 1: Loading dock plan**









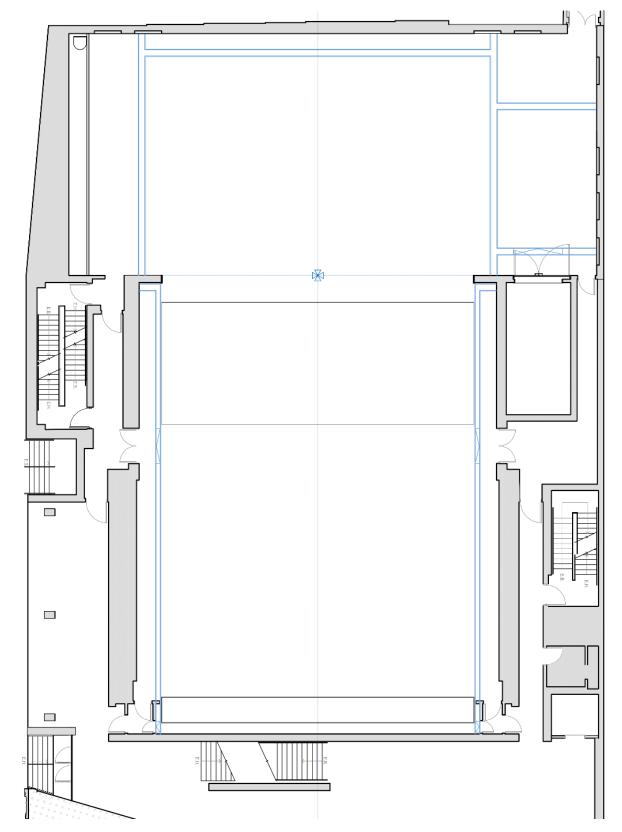
APPENDIX 2: Plan for Level S1 and S2

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APPENDIX 3.2: Seating Plan (Small proscenium with stage or orchestra pit)

**APPENDIX 3.1: Seating plan** 

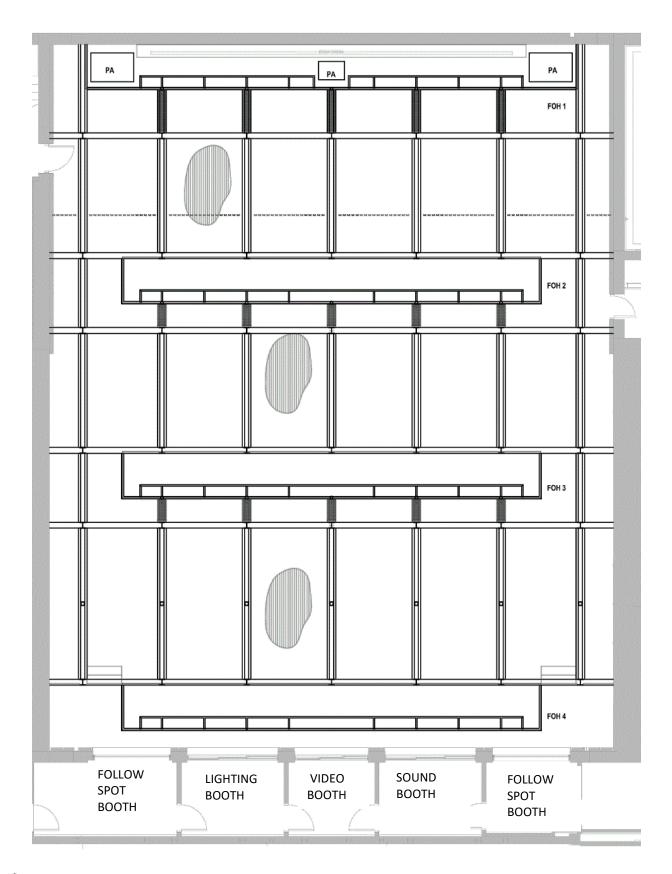
(Large proscenium stage)

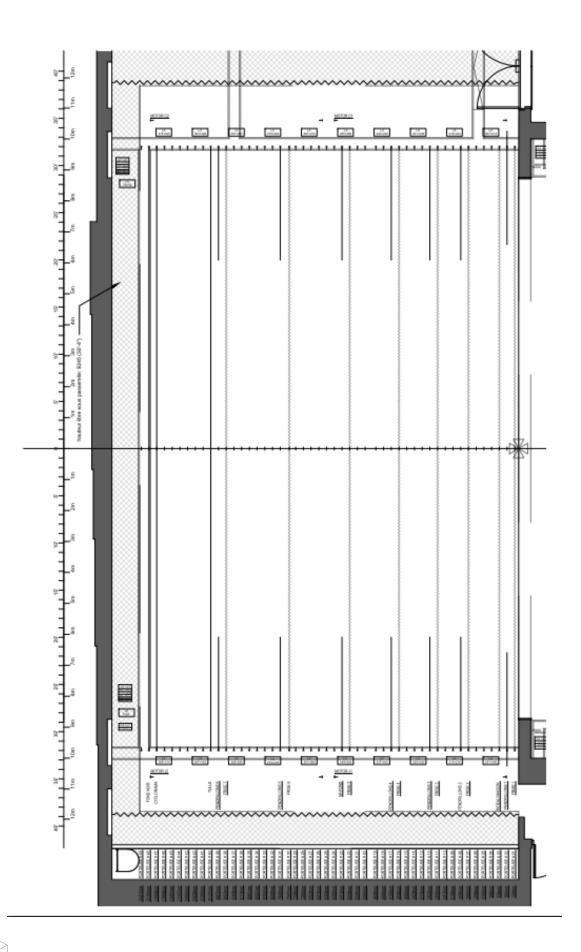


# APPENDIX 4: Floor plan of stage and front of house, without bleachers



# **APPENDIX 5: Front of house grid plan**





# APPENDIX 6 (continued): Fly schedule

Diss       Diss       Diss       Diss       Diss       Diss       Diss         2017       Serie       Image: Serie Serie       Image: Serie Seri	Dist.	Nom Poids	Trim	Description	Notes
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1979   ktm 5   imm 5   imm 5     2012   ktm 6   imm 5   imm 5     2014   ktm 8   imm 5   imm 5     2014   ktm 8   imm 5   imm 5     2014   ktm 9   imm 5   imm 5     2017   ktm 9   imm 5   imm 5     2017   ktm 10   imm 5   imm 5     2017   ktm 11   imm 5   imm 5     2017   ktm 12   imm 5   imm 5     2017   ktm 12   imm 5   imm 5     2017   ktm 12   imm 5   imm 5     2017   ktm 13   imm 5   imm 5     2017   ktm 14   imm 5   imm 5     2017   ktm 13   imm 5   imm 5     2017   ktm 13   imm 5   imm 5     2017   ktm 14   imm 5   imm 5     2017   ktm 13   imm 5   imm 5     2017   ktm 14   imm 5   imm 5     2018   ktm 14					
for   bitn 7   anten 4   brain 7     for   bitn 7   bitn 3   anten 4     for   bitn 9   anten 4   bitn 3     for   bitn 9   anten 4   bitn 3     for   bitn 11   anten 4   bitn 3     for   bitn 12   bitn 3   anten 4     for   bitn 13   anten 4   bitn 3     for   bitn 14   anten 4   anten 4     for   bitn 3   anten 4 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
95%   Baten 7   Inten 8   Inten 8   Inten 9     917   Baten 9   Inten 10   Inten 10   Inten 10     917   Baten 11   Inten 10   Inten 10   Inten 10     917   Baten 11   Inten 10   Inten 10   Inten 10     917   Baten 11   Inten 10   Inten 10   Inten 10     917   Baten 13   Inten 10   Inten 10   Inten 10     1100   Baten 13   Inten 10   Inten 10   Inten 10     1101   Baten 13   Inten 10   Inten 10   Inten 10     1102   Baten 13   Inten 10   Inten 10   Inten 10     1103   Baten 13   Inten 10   Inten 10   Inten 10     1104   Baten 13   Inten 10   Inten 10   Inten 10     1107   Baten 13   Inten 10   Inten 10   Inten 10     1107   Baten 13   Inten 10   Inten 10   Inten 10     1107   Baten 13   Inten 10   Inten 10   Inten 10     1107   Baten 13   Inten 10   Inten 10   Inten 10     1107   Baten 13   Inten 10   Inten 10   Inten 10     1107   Baten 13   Inten 10   Inten 10     1107<					
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712*   Baten 30   Intermediate	6'03"				
Fyre   Batten 11   Image: Batten 12     19707   Batten 13   Image: Batten 13     19707   Batten 13   Image: Batten 13     19717   Batten 13   Image: Batten 13     19727   Batten 13   Image: Batten 13     19737   Batten 13   Image: Batten 13     19747   Batten 13   Image: Batten 13     19757   Batten 12   Image: Batten 13     19767   Batten 12   Image: Batten 13     19778   Batten 24   Image: Batten 24     19787   Batten 24   Image: Batten 24     19797   Batten 24   Image: Batten 24     19707   Batten 24<	7'01"	Batten 9			
977   Batten 12   Image: Batten 13   Image: Batten 14     1007   Batten 13   Image: Batten 15   Image: Batten 15     1207   Batten 16   Image: Batten 15   Image: Batten 15     1207   Batten 16   Image: Batten 17   Image: Batten 17     1107   Batten 17   Image: Batten 18   Image: Batten 18     1107   Batten 13   Image: Batten 13   Image: Batten 13     1107   Batten 13   Image: Batten 13   Image: Batten 13     1107   Batten 13   Image: Batten 13   Image: Batten 13     1107   Batten 23   Image: Batten 23   Image: Batten 23     1107   Batten 23   Image: Batten 23   Image: Batten 24     1107   Batten 23   Image: Batten 23   Image: Batten 24     1107   Batten 23   Image: Batten 24   Image: Batten 24     1107   Batten 23   Image: Batten 24   Image: Batten 24     1107   Batten 24   Image: Batten 24   Image: Batten 24     1207   Batten 24   Image: Batten 24   Image: Batten 24     1207   Batten 25   Image: Batten 24   Image: Batten 24     1207   Batten 24   Image: Batten 24   Image: Batten 24     1207   Batten 24   Image: Batten 24<	7'11"	Batten 10			
1979*   Batten 14   Image: Constraint of the second se	8'09"	Batten 11		Border	
110°   Batten 14   Image: Batten 15   Image: Batten 15     170°   Batten 16   Image: Batten 17   Image: Batten 17     170°   Batten 18   Image: Batten 18   Image: Batten 18     170°   Batten 13   Image: Batten 18   Image: Batten 18     170°   Batten 13   Image: Batten 18   Image: Batten 18     170°   Batten 20   Image: Batten 21   Image: Batten 22     170°   Batten 23   Image: Batten 28   Image: Batten 28     170°   Batten 23   Image: Batten 28   Image: Batten 28     170°   Batten 23   Image: Batten 28   Image: Batten 28     270°   Batten 28   Image: Batten 28   Image: Batten 28     270°   Batten 28   Image: Batten 28   Image: Batten 28     270°   Batten 28   Image: Batten 28   Image: Batten 28     270°   Batten 28   Image: Batten 28   Image: Batten 28     270°   Batten 28   Image: Batten 28   Image: Batten 28     270°   Batten 30   Image: Batten 28   Image: Batten 28     270°   Batten 32   Image: Batten 38   Image: Batten 38     270°   Batten 33   Image: Batten 38   Image: Batten 38     270°   Batten 38   Image: Batten 38	9'07"	Batten 12		Legs	
171°   Batten 15   Image: Batten 16   Bodder     1326°   Batten 17   Image: Batten 16   Bodder     1326°   Batten 13   Image: Batten 16   Image: Batten 16     140°   Batten 13   Image: Batten 16   Image: Batten 16     140°   Batten 13   Image: Batten 16   Image: Batten 16     140°   Batten 12   Image: Batten 12   Image: Batten 16     140°   Batten 23   Image: Batten 23   Image: Batten 23     150°   Batten 23   Image: Batten 23   Image: Batten 23     150°   Batten 24   Image: Batten 23   Image: Batten 23     150°   Batten 25   Image: Batten 26   Image: Batten 26     1200°   Batten 25   Image: Batten 26   Image: Batten 26     1200°   Batten 25   Image: Batten 26   Image: Batten 26     1200°   Batten 25   Image: Batten 26   Image: Batten 26     1200°   Batten 26   Image: Batten 26   Image: Batten 26     1200°   Batten 27   Image: Batten 27   Image: Batten 27     1200°   Batten 28   Image: Batten 27   Image: Batten 27     1200°   Batten 31   Image: Batten 31   Image: Batten 31     1200°   Batten 34   Image: Batten 31	10'05"				
171*   Botten 16   Border   Border     190°   Batten 18   Image 1   Border     190°   Batten 18   Image 1   Image 1     190°   Batten 18   Image 1   Image 1     190°   Batten 19   Image 1   Image 1     190°   Batten 10   Image 1   Image 1     190°   Batten 20   Image 1   Image 1     190°   Batten 21   Image 1   Image 1     190°   Batten 23   Image 1   Image 1     190°   Batten 23   Image 1   Image 1     200°   Batten 24   Image 1   Image 1     200°   Batten 25   Image 1   Image 1   Image 1     200°   Batten 25   Image 1   Image 1   Image 1     200°   Batten 26   Image 1   Image 1   Image 1     200°   Batten 28   Image 1   Image 1   Image 1     200°   Batten 31   Image 1   Image 1   Image 1     200°   Batten 34   Image 1   Image 1   Image 1     200°   Batten 34   Image 1   Image 1   Image 1     200°   Batten 34   Image 1   Image 1     200°   Batte	11'03"	Batten 14			
130°   Batten 17   Image: Batten 18   Image: Batten 18     1407   Batten 19   Image: Batten 18   Image: Batten 18     1507   Batten 20   Image: Batten 21   Image: Batten 21     170°   Batten 21   Image: Batten 22   Image: Batten 23     170°   Batten 23   Image: Batten 23   Image: Batten 24     170°   Batten 24   Image: Batten 23   Image: Batten 23     170°   Batten 24   Image: Batten 24   Image: Batten 24     170°   Batten 24   Image: Batten 26   Image: Batten 26     170°   Batten 24   Image: Batten 26   Image: Batten 26     170°   Batten 25   Image: Batten 26   Image: Batten 26     170°   Batten 24   Image: Batten 26   Image: Batten 26     170°   Batten 25   Image: Batten 26   Image: Batten 26     170°   Batten 26   Image: Batten 26   Image: Batten 26     170°   Batten 27   Image: Batten 26   Image: Batten 26     170°   Batten 31   Image: Batten 26   Image: Batten 26     170°   Batten 31   Image: Batten 26   Image: Batten 26     170°   Batten 32   Image: Batten 26   Image: Batten 26     170°   Batten 33   Image: Batten 36	12'01"	Batten 15			
indv**Satten 18Image: state stat	12'11"	Batten 16		Border	
190° 1800° 1800° 190° 190° 190° 190° 191	13'09"	Batten 17		Legs	
Inform   International Internation International International Internati	14'07"	Batten 18			
1701'   bttm 21   Image: state st	15'05"	Batten 19			
170°     Satten 22     Image: state 100 minipage: st					
1901'   Batten 3   Image: state 1     1911'   Batten 24   Image: state 1     2009'   Batten 25   Image: state 1     2009'   Batten 26   Image: state 1     2107'   Batten 27   Image: state 1     2209'   Batten 28   Image: state 1     2209'   Batten 28   Image: state 1     2401'   Batten 20   Image: state 1     2402'   Batten 30   Image: state 1     2409'   Batten 31   Image: state 1     2509'   Batten 31   Image: state 1     2600'   Batten 32   Image: state 1     2700'   Batten 31   Image: state 1     2700'   Batten 32   Image: state 1     2700'   Batten 35   Image: state 1     2700'   Batten 34   Image: state 1     2700'   Batten 35   Image: state 1     2700'   Batten 37   Image: state 1     2700'   Batten 37   Image: state 1     2700'   Batten 38   Image: state 1     3700'   Batten 40   Image: state 1 <tr< td=""><td></td><td></td><td></td><td></td><td></td></tr<>					
1911   Batten 24   Image: state 25   Image: state 25     2009   Batten 25   Image: state 26   Image: state 26     2107   Batten 26   Image: state 27   Image: state 26     22091   Batten 27   Image: state 27   Image: state 27     22091   Batten 29   Image: state 27   Image: state 27     2401   Batten 29   Image: state 27   Image: state 27     2401   Batten 29   Image: state 27   Image: state 27     2401   Batten 30   Image: state 27   Image: state 27     2401   Batten 30   Image: state 27   Image: state 27     2401   Batten 31   Image: state 27   Image: state 27     2507   Batten 33   Image: state 27   Image: state 27     2708   Batten 34   Image: state 27   Image: state 27     27091   Batten 35   Image: state 27   Image: state 27     27091   Batten 35   Image: state 27   Image: state 27     27091   Batten 35   Image: state 27   Image: state 27     27091   Batten 34   Image: state 27   Image: state 27     27091   Batten 37   Image: state 27   Image: state 27     37091   Batten 41   Image: state 27   Image: state					
2009'   Batten 25   Indexten 25   Indexten 26     2107'   Batten 26   Indexten 26   Indexten 26     2205'   Batten 28   Indexten 26   Indexten 27     2303'   Batten 28   Indexten 28   Indexten 28     2401'   Batten 30   Indexten 28   Indexten 28     2409'   Batten 30   Indexten 28   Indexten 28     2409'   Batten 30   Indexten 28   Indexten 28     2607'   Batten 31   Indexten 28   Indexten 28     2705'   Batten 32   Indexten 28   Indexten 28     2803'   Batten 34   Indexten 28   Indexten 28     2901'   Batten 35   Indexten 28   Indexten 28     3909'   Batten 37   Indexten 28   Indexten 28     3909'   Batten 38   Indexten 28   Indexten 28     3909'   Batten 40   Indexten 28   Indexten 28     3911'   Batten 41   Indexten 28   Indexten 28     3909'   Batten 42   Indexten 28   Indexten 28				Traveller	
22077   Batten 26   Image: staten 27   Image: staten 28     22033   Batten 27   Image: staten 28   Image: staten 28     24014   Batten 29   Image: staten 20   Image: staten 20     24017   Batten 29   Image: staten 20   Image: staten 20     24018   Batten 29   Image: staten 20   Image: staten 20     24019   Batten 30   Image: staten 20   Image: staten 20     25097   Batten 31   Image: staten 20   Image: staten 20     26077   Batten 32   Image: staten 20   Image: staten 20     27057   Batten 32   Image: staten 20   Image: staten 20     27057   Batten 34   Image: staten 20   Image: staten 20     27017   Batten 35   Image: staten 20   Image: staten 20     27017   Batten 35   Image: staten 20   Image: staten 20     27017   Batten 36   Image: staten 20   Image: staten 20     27017   Batten 36   Image: staten 20   Image: staten 20     37017   Batten 36   Image: staten 20   Image: staten 20     37037   Batten 41   Image: staten 20   Image: staten 20     3704   Batten 42   Image: staten 20   Image: staten 20     37057   Batten 44 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
2205'   Batten 77   Inc.   Inc.   Inc.     2303'   Batten 78   Inc.   Inc.   Inc.     2401'   Batten 30   Inc.   Border   Inc.     2609'   Batten 31   Inc.   Inc.   Border     2609'   Batten 31   Inc.   Inc.   Inc.     2705'   Batten 31   Inc.   Inc.   Inc.     2705'   Batten 33   Inc.   Inc.   Inc.     2705'   Batten 34   Inc.   Inc.   Inc.     2901'   Batten 35   Inc.   Inc.   Inc.     2901'   Batten 36   Inc.   Inc.   Inc.     3909'   Batten 37   Inc.   Inc.   Inc.     3009'   Batten 37   Inc.   Inc.   Inc.     3009'   Batten 40   Inc.   Inc.   Inc.     3107'   Batten 41   Inc.   Inc.   Inc.     3205'   Batten 41   Inc.   Inc.   Inc.     3401'   Batten 42   Inc.   Inc.   Inc.     3401'   Batten 41   Inc.   Inc.   Inc.     3509'   Batten 42   Inc.   Inc.   Inc.     3600'   Batten 4					
2407     Batten 2B     Image: Batten 2B     Image: Batten 2B     Image: Batten 2B       24091     Batten 30     Image: Batten 30     Image: Batten 30       25097     Batten 31     Image: Batten 32     Image: Batten 33       26078     Batten 32     Image: Batten 33     Image: Batten 33       27057     Batten 33     Image: Batten 34     Image: Batten 35       28018     Batten 35     Image: Batten 34     Image: Batten 35       29011     Batten 35     Image: Batten 34     Image: Batten 36       30076     Batten 37     Image: Batten 37     Image: Batten 37       30077     Batten 38     Image: Batten 39     Image: Batten 39       31077     Batten 40     Image: Batten 34     Image: Batten 34       31077     Batten 41     Image: Batten 41     Image: Batten 41       3107     Batten 41     Image: Batten 41     Image: Batten 41       3107     Batten 42     Image: Batten 41     Image: Batten 41       3107     Batten 43     Image: Batten 44     Image: Batten 44       3107     Batten 44     Image: Batten 44     Image: Batten 44       3107     Batten 45     Image:					
2401*     Batten 30     Border       2409*     Batten 30     Border       2500*     Batten 31     Legs       2607*     Batten 32     Legs       2705*     Batten 33     Legs       2705*     Batten 34     Legs       2901*     Batten 34     Legs       2901*     Batten 35     Legs       2901*     Batten 36     Legs       2901*     Batten 37     Batten 36       2901*     Batten 37     Batten 36       3009*     Batten 37     Batten 38       3009*     Batten 38     Batten 38       3107*     Batten 40     Batten 38       3303*     Batten 40     Tulle       3401*     Batten 41     Eegs       3509*     Batten 43     Eegs       3509*     Batten 43     Eegs       3607*     Batten 44     Eegs       3509*     Batten 43     Eegs       3607*     Batten 44     Eegs       3707*     Batten 45     Eegs       3607*     Batten 44     Eegs       3707*     Batten 45					
2409"   Batten 30   Image: staten 31   Image: staten 31     2507"   Batten 31   Image: staten 32   Image: staten 32     2705"   Batten 32   Image: staten 33   Image: staten 34     2803"   Batten 34   Image: staten 34   Image: staten 34     2901"   Batten 35   Image: staten 36   Image: staten 36     2901"   Batten 36   Image: staten 36   Image: staten 36     3009"   Batten 36   Image: staten 36   Image: staten 36     3009"   Batten 36   Image: staten 36   Image: staten 36     3009"   Batten 37   Image: staten 39   Image: staten 36     3009"   Batten 37   Image: staten 39   Image: staten 36     3009"   Batten 40   Image: staten 40   Image: staten 40     3101"   Batten 41   Image: staten 40   Image: staten 40     3401"   Batten 41   Image: staten 40   Image: staten 40     3401"   Batten 42   Image: staten 40   Image: staten 40     3500"   Batten 41   Image: staten 40   Image: staten 40     3607"   Batten 41   Image: staten 40   Image: staten 40     3705"   Batten 42   Image: staten 40   Image: staten 40     3705"   Batten 45 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
2509"Batten 31Image: Market S12607"Batten 32Image: S12705"Batten 33Image: S12705"Batten 34Image: S12801"Batten 34Image: S12901"Batten 35Image: S12901"Batten 36Image: S12901"Batten 36Image: S12003"Batten 37Image: S12003"Batten 38Image: S12003"Batten 38Image: S12003"Batten 38Image: S12003"Batten 40Image: S12003"Batten 41Image: S12004"Batten 41Image: S12005"Batten 42Image: S12004"Batten 43Image: S12005"Batten 44Image: S12004"Batten 45Image: S12005"Batten 44Image: S12004"Batten 45Image: S12004"Batten 47Image: S12004"Batten 47Image: S12004"Batten 48Image: S12004"Batten 49Image: S12004"Bat				Daudau	
2607   Batten 32   Image: Section 24 and 25 and					
2705'   Batten 33   Image: state				Legs	
2803*     Batten 34     Image: second se					
2901*     Batten 35     Image: second se	27'05"				
29'11"Batten 36Image: set of the	28'03"				
30'09'     Batten 3 -     Image: Section 2 -     Section 2 - <td>29'01"</td> <td></td> <td></td> <td></td> <td></td>	29'01"				
3107"Batten 38Image: set of the		Batten 36			
3205"Batten 39Image: Setting and Seting					
3303"Batten 40Image: Marking the second seco	31'07"				
34'01"Batten 41Image: Market Ma	32'05"				
34'11"Batten 42Image: Part of the section of th	33'03"	Batten 40		Tulle	
35'09"Batten 43Image: Point of the second sec		Batten 41			
3607"Batten 44Image: Market	34'11"	Batten 42			
3705"Batten 45Income of the second se	35'09"	Batten 43			
38'03''Batten 4Image: Constraint of the second se	36'07"	Batten 44			
$3901^{\circ}$ Batten 47InclusionGrey PVC CycInclusion $39'11''$ Batten 48InclusionBackdrop 60'Inclusion $40'09''$ Batten 49InclusionInclusionInclusion $40'09''$ Batten 49InclusionInclusionInclusion $40'09''$ Batten 49InclusionInclusionInclusion $90''$ DownstageInclusionInclusionInclusion $10''$ DownstageInclusionInclusionInclusion $90''$ DownstageInclusionInclusionInclusion $90''$ InclusionInclusionInclusionInclusion $90''$ InclusionInclusionInclusionInclusion $90'''$ InclusionInclusionInclusionInclusion $90''''''''''''''''''''''''''''''''''''$	37'05"	Batten 45			
$3901^{\circ}$ Batten 47InclusionGrey PVC CycInclusion $39'11''$ Batten 48InclusionBackdrop 60'Inclusion $40'09''$ Batten 49InclusionInclusionInclusion $40'09''$ Batten 49InclusionInclusionInclusion $40'09''$ Batten 49InclusionInclusionInclusion $90''$ DownstageInclusionInclusionInclusion $10''$ DownstageInclusionInclusionInclusion $90''$ DownstageInclusionInclusionInclusion $90''$ InclusionInclusionInclusionInclusion $90''$ InclusionInclusionInclusionInclusion $90'''$ InclusionInclusionInclusionInclusion $90''''''''''''''''''''''''''''''''''''$	38'03"	Batten 46			
39'11"Batten 48Income of the sector o	39'01"			Grey PVC Cyc	
40'09"Batten 49Image: Constraint of the sector of t	39'11"				
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $					
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Lateral   Downstage     Upstage   Image	age ght				
Bownstage   Downstage   Image: Comparison of the second seco	Ri St				
≌ ∉ Upstage					
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# **APPENDIX 7: Dressing room plan, Level S1**



