



# Ruby Diamond Concert Hall Technical Rider

## **Ruby Diamond Concert Hall**

Florida State University  
222 S. Copeland St.  
Tallahassee FL, 32304

**Office Suite:** 0065 (enter from Convocation Way)

**Phone:** (850) 644-5541

**Loading Dock Address:** 181 Convocation Way

### Personnel

**Assistant Director of Production:** Michelle McDaniel - (850) 644-5541 - [dmmcdaniel@fsu.edu](mailto:dmmcdaniel@fsu.edu)

**Production Manager:** Nick Smith – (850) 644-5486 – [nrsmith@fsu.edu](mailto:nrsmith@fsu.edu)

**Master Electrician:** Ethan Bigelow – [ebigelow@fsu.edu](mailto:ebigelow@fsu.edu)

**Audio Engineer:** Mike Shapiro - (850)-645-9671 - [mshapiro@fsu.edu](mailto:mshapiro@fsu.edu)

**Stage Manager/Rigger/Steward:** Russ Marsh - (850) 644-3445 - [rmarsh@fsu.edu](mailto:rmarsh@fsu.edu)

**Video Specialist:** Eugene McGuinness – [elmguinness@fsu.edu](mailto:elmguinness@fsu.edu)

**Audio Specialist:** Evan Wood – [ehwood@fsu.edu](mailto:ehwood@fsu.edu)

## BOX OFFICE INFORMATION

**FSU Fine Arts Ticket Office Number:** (850) 644-6500

**Opening Nights at FSU:** (850) 644-7670

### **Non-FSU Vendors (Subject to CoM Approval):**

- On-site Box Office located in outer lobby may be used on show day only.
- Concessions Booth located in outer lobby may be used on show day only.

# SEATING

**Capacity:** 1260 (Without pit seats: 1172)

**Orchestra:** 741

**Removable Pit Chairs:** 88

**Balcony:** 367

**Parterre:** 64

**Seating Layout and Accessible Seating:**

Please see house diagram at the end of this document for seating layout and ADA seating locations.





# STAGE

## **Loading Dock:**

Loading Dock Location: West side of building off stage (181 Convocation Way)

Loading Door Opening: 9'11" Wide X 12' High

## **Stage Dimensions:**

- **Height of Proscenium Opening: 28'**
- **Width of Proscenium Opening: 55'**
- **Distance from Plaster Line to Back Wall: 39'**
- **Distance from Apron to Back Wall: 45'**
- **Wing Space SR: 21'1"**
- **Wing Space SL: 26'1/2"**
- **Floor Type: Maple Wood, Bio Channel Sprung Flooring**
- ***See Attached Ground Plan and Cross Section***



# STAGE RIGGING

**Height of Grid: 54'**

**System: Counterweight single purchase**

**Number of Lines: 57**

**Number of Lines Free with Shell hung: 50**

**Linesets 10, 21, 32, & 43** are Truss Battens that store the orchestral shell.

US Linesets of shell are not useable to fly in and out when the shell is hung.

- **Locking Rail Location: On deck SR**
- **Batten Length: 68'**
- **Distance from Last Line to Back Wall: 3"**

# COMPANY SWITCHES

2- 400A 3Phase 120/208V
Cam Lock Connect and Lug Mount
Location: USL Pin Rail – 3 <sup>rd</sup> floor
1- 200A 3Phase 120/208V
Isolated Ground
Cam Lock Connect and Lug Mount
Location: DSL Stage Level
2- 100A 3Phase 120/208V
200% Neutral
Lug Mount
Location: FOH Catwalk 1
3- 30A 3Phase 120/208V
Lug Mount
Location: FOH Catwalk 1
3- 30A 120/208V
Location: 3 <sup>rd</sup> Floor Balcony Follow Spot Booth
6- 20A 3Phase 120/208V
No Neutral
Lug Mount
Bus Plugs
Location: Grid
1- 200A 3Phase 120/208V
Lug Mount
Shore Power
Outside Pass through Room 0065 Suite C
Location: Convocation Way
1- 400A 3Phase 120/208V
200% Neutral
Lug Mount
Location: Rehearsal Hall
1- 30A 3Phase 120/208V
Lug Mount
Location: Grid
1- 100A 3Phase 120/208V
Lug Mount
Location: FOH Catwalk 2

# LINESET SCHEDULE

Number	Dist. Fr. Pl.	Curr. Stat.	Specifics	Arb.Size/MaxLbs
1	8"	Valance		10'/2500
2	1'4"	MAIN CURT		10'/2500
3	2'	EMPTY		10'/2500
4	2'8"	ELECT 1	PERMANENT	10'/2500
5	3'4"	EMPTY		10'/2500
6	4'	EMPTY		10'/2500
7	4'8"	EMPTY		10'/2500
8	5'4"	EMPTY		10'/2500
9	6'	EMPTY		10'/2500
10	6'8"	SHELL 1	PERMANENT	14'/3500
11	7'4"	EMPTY		10'/2500
12	8'	EMPTY		10'/2500
13	8'8"	EMPTY		10'/2500
14	9'4"	EMPTY		10'/2500
15	10'	EMPTY		10'/2500
16	10'8"	EMPTY		10'/2500
17	11'4"	EMPTY		10'/2500
18	12'	EMPTY		10'/2500
19	12'8"	EMPTY		10'/2500
20	13'4"	EMPTY		10'/2500
21	14'	SHELL 2	PERMANENT	14'/3500
22	14'8"	EMPTY		10'/2500
23	15'4"	EMPTY		10'/2500
24	16'	EMPTY		10'/2500
25	16'8"	EMPTY		10'/2500
26	17'4"	EMPTY		10'/2500
27	18'	EMPTY		10'/2500
28	18'8"	EMPTY		10'/2500
29	19'4"	EMPTY		10'/2500
30	20'	EMPTY		10'/2500
31	20'8"	EMPTY		10'/2500
32	21'4"	SHELL3	PERMANENT	14'/3500
33	22'	EMPTY		10'/2500
34	22'8"	EMPTY		10'/2500
35	23'4"	EMPTY		10'/2500
36	24'	EMPTY		10'/2500
37	24'8"	EMPTY		10'/2500
38	25'4"	EMPTY		10'/2500

39	26'	EMPTY		10'/2500
40	26'8"	EMPTY		10'/2500
41	27'4"	EMPTY		10'/2500
42	28'	EMPTY		10'/2500
43	28'8"	SHELL 4	PERMANENT	14'/3500
44	29'4"	EMPTY		10'/2500
45	30'	EMPTY		10'/2500
46	30'8"	EMPTY		10'/2500
47	31'4"	EMPTY		10'/2500
48	32'	EMPTY		10'/2500
49	32'8"	EMPTY		10'/2500
50	33'4"	EMPTY		10'/2500
51	34'	EMPTY		10'/2500
52	34'8"	EMPTY		10'/2500
53	35'4"	EMPTY		10'/2500
54	36'	EMPTY		10'/2500
55	36'8"	EMPTY		10'/2500
56	37'4"	EMPTY		10'/2500
57	38	EMPTY		10'/2500





# LIGHTING

**Lighting Console:** ETC EOS TI

- **Location:** Back of House control booth orchestra level.
- **ETC Nomad available for tech table position. Row R.**

**A wide variety of ETC Source 4 and LED fixtures are available.**

***Please contact the Lighting Engineer for a full lighting inventory.***



# AUDIO

## SOUND SYSTEM OVERVIEW

The Sound System is designed to be capable of sound pressure levels at a **maximum** of **98 dB** (SPL A Weighted at FOH Mix Position 67' from Array - Orchestra Section: Row R seats 101-109).

## FRONT OF HOUSE AUDIO SYSTEM

### SPEAKERS

- **Left-Right Speakers:** Consists of (22) Renkus-Heinz PN102LA Powered Line Array speakers. Motorized and suspended on stage in front of proscenium.
- **Center Fill Speakers:** Consists of (3) Renkus-Heinz PN121 Powered speakers suspended on stage in front of proscenium.
- **Subwoofers:** Consist of (4) Renkus-Heinz PN212SUBW powered subs and (2) OAP Subs powered by QSC amplifiers.
- **Front Fills:** (5) Meyer UPM-1P's
- **70V Speakers:** Located in the lobby, Green Rooms and Dressing Rooms.

## CONSOLES

### FOH Console:

- **Avid Venue S6L-32D** with E6L192 Engine
  - Stage 64: 56 Analog Inputs and 16 Analog Outputs
- **Main Drive DSP Engines:** QSC Core 510i

## MONITOR AUDIO SYSTEM

**Wedges:** Renkus-Heinz (8) PN121M powered monitor wedges.

## MICROPHONE LIST

### **Microphone Splitter:**

56 X 2 Microphone Splitter

### **AKG**

(1) C414XL2/ST (one Matched Pair)

### **DPA**

- (1) 4099B Acoustic Bass Mic
- (2) 4099G Acoustic Guitar Mic
- (1) 4099S Saxophone Mic
- (1) 4099T Trumpet Mic

### **EARTHWORKS**

(1) Piano Mic Touring System (Stereo)

### **ELECTROVOICE**

(2) RE20 with Shock Mounts

### **NEUMANN**

(2) KM184

### **SENNHEISER**

- (5) MD421
- (3) e604
- (2) e609



## SHURE

- (1) Beta 52
- (1) Beta 91
- (4) Beta SM57
- (4) Beta 57A
- (6) Beta 98DS
- (6) KSM44A
- (8) SM57
- (8) SM58
- (4) SM81
- (2) UR24S/Beta 58-L3 HH Wireless Microphone
- (1) UR4S/Beta87C HH Wireless Microphone

## DIRECT BOXES

### COUNTRYMAN

- (3) DT85 Class-A DI Box
- (4) Passive Direct Boxes

# DRAPERIES

	#	Height	Width	Type
Sets of Legs	4	30'	12'	Black Velour, Flat
	8	27'	12'	Black Velour, Flat
Borders	4	9'	60'	Black Velour, Flat
	4	9'	55'	Black Velour, Flat
Scrim	1	30'	60'	Black
Full Stage Traveler	1	24'	60'	Black Velour, Flat, no fullness
House Curtain Traveler	1	24'	60'	Wine Velour, Pleated
Grand Valance	1	12'	60'	Wine Velour, Pleated
Cyc	1	30'	65'	White
	1	30'	50'	Light Blue Muslin



# VIDEO

## PROJECTORS

**2 x PT-MZ11KLWU7 WUXGA Laser LCD Projectors**  
1920x1200; 11,000 lumen; 3,000,000:1 contrast ratio  
Permanently mounted house left and right

**2 x ET-EMS650 1.35-2.10:1 Standard-throw projector zoom lens**

**1 x Christie L2K1500 Projector**  
2048 x 1080; 15,000 lumen; 3000:1 contrast ratio  
Permanently mounted in spot booth; Used for down stage retractable screen

## SCREENS

**(2) Da-Lite HD Rental front projection screens**  
83" H x 144"W  
16:9 (HD TV) Ratio  
Flown house right and left; non-mobile

**(1) Retractable Front Projection Screen**  
20' H x 36' W  
Mounted downstage of main curtain.  
Bottom of screen sits 24" above deck.



# OTHER EQUIPMENT

## PIANOS

- Steinway Concert Grand Piano 9' New York (*On Stage*)
- Steinway Concert Grand Piano 9' Hamburg (*On Stage*)
  
- Bluthner Concert Grand Piano 9' (*Rehearsal Room*)

**(2) 6' A-Frame Ladders**  
**(2) 8' A-Frame Ladders**  
**(2) 10' A-Frame Ladders**  
**(2) Battery Powered Man Lift**

## DRESSING ROOMS

Type	Location	Capacity	Shower/Toilet
2 Star Dressing Rooms	Off SR Stage Level	2	1
2 Small Dressing Rooms	OFF SR One Flight up	2	1
Chorus Dressing Rooms	Ground Level	16	1
Chorus Dressing Rooms	Ground Level	10	1
Ensemble Dressing Room	Ground Level	9	1 Each

**Note:** All Chorus and Ensemble dressing rooms have a sink, and one bathroom with a sink and a shower. All dressing rooms have wardrobe racks, mirrors and make-up lights. Capacity listed is not maximum. Lockers are available in the Chorus Dressing Rooms.

## Other Work Rooms

- **Hair and Makeup, Wardrobe and Laundry Room**
  - Sink and Mirror/ Separate room with Washer and Dryer
    - 2 Steamers/Sewing Machine/2 Irons
- **Catering Room**
  - 1000lb ice maker/ 2 Rolling Refrigerators/Deep Sink

# Ruby Diamond Concert Hall

STAGE

Total seats: 1260  
Total seats minus pit: 1172

Orchestra pit seats: 88  
Main floor seats: 741  
Balcony seats: 367  
Parterre seats: 64

88 seats    741 seats    64 seats    367 seats

1 MB Set of 1 movable base seat may be removed to allow for a wheelchair or other purpose

2 MB Set of 2 movable base seats may be removed as a set to allow for a wheelchair or other purpose

3 MB Set of 3 movable base seats may be removed as a set to allow for a wheelchair or other purpose

