FLORIDA STATE UNIVERSITY COLLEGE OF MUSIC

# 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**

Production Coordinator: Michelle McDaniel - (850) 644-5541 - dmmcdaniel@fsu.edu

Lighting: TBD

Production Specialist: Alayna Lee - (850) 644-3413 - <u>aalee@fsu.edu</u>

Audio Engineer: Mike Shapiro - (850)-645-9671 - <u>mshapiro@fsu.edu</u>

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

### BOX OFFICE INFORMATION

FSU College of Music Box Office: (850) 645-7949 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

Ground Floor

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.

#### **FOH Lighting Positions**:

- ➤ 3 FOH Catwalks (#1 directly over pit between first sound reflector and proscenium)
- > 3 House Torm Ladders HR and HL, Balcony Rail C, HL, HR.

#### **Spot Light Locations:**

- > 3 ETC Source 4 19 Degree Spots: In FOH Overhead Cove.
- 2 Lycian 1275 1200W: In Projection Booth at Rear of Balcony.

**House Lights**: Controlled via touchscreen from control booth, DSR, and DSL or from console via sACN or DMX.

#### **On-stage Lighting Positions:**

- > One Designated Electric: 1st Electric: Line Set 4 Fixed Raceway 36 Circuits
- **Booms:** 1 on DR and DL, DS of Proscenium Wall; 8 Variable booms

#### Catwalk:

**▶** Dimmers / Circuit: 1/1

Capacity per Dimmer: 2.4KCircuit Count: 335 total

Circuit	Quantity			
1 <sup>st</sup> Electric raceway	36			
Multi-cable Drops – 6 Circuits Each Over Stage	24 (144 total circuits)			
Floor level – 6 Circuits Each On Stage	5 (30 total circuits)			
FOH Catwalk Raceways				
Catwalk 1	33			
Catwalk 2	35			
Catwalk 3	35			
Multi-cable Drop – 6 Circuits HR torm	1 (6 circuits)			
Multi-cable Drop – 6 Circuits HL torm	1 (6 circuits)			
Balcony Rail Center	10			

Lighting Instrument Inventory					
Туре	Quantity	Wattage			
10 deg	ETC Source 4	15	750W		
14 deg	ETC Source 4	15	750W		
19 deg	ETC Source 4	70	750W		
26 deg	ETC Source 4	100	750W		
36 deg	ETC Source 4	70	750W		
50 deg	ETC Source 4	15	750W		
26*-50*	ETC Source 4 Zoom	20	750W		
S4 Par	ETC Source 4	70	750W		
Cyc Light	Selecon Aurora 4 Cell	13	1000W		
Groundrow	Selecon Aurora 4 Cell	13	1000W		
Followspot	Lycian 1275 Long Throw	2	1200W		

LED Instrument Inventory					
Туре	Make	Quantity			
Lustr 2	ETC	36			
Colorsource Spot Deep Blue	ETC	24			
(currently with Fresnel Adapter, ERS body available)					
Colorsource Spot, Deep Blue, ERS	ETC	4			
Colorsource Linear 2 Deep Blue Strip Light	ETC	13			
Colorsource Par	ETC	11			

Automated Lights				
Туре	Make	Quantity		
Satura Profile	Elation	5		
Robe Spikie LED	Robe	4		

SFX				
Туре	Make	Quantity		
Ultratec	Ultratec	1		
Geyser RGB	Chauvet DJ	4		
Atomic Strobe	Martin	2		
DF-50	Reel Efx	1		
Aquafog 3300	City	2		
	Theatrical			

Accessories				
Туре	Quantity			
EDLT Lens tube				
26 deg	10			
36 deg	18			
50 deg	8			
90 deg	8			
LED CYC Adapters	10			
LED Fresnel Adapter	4			
ColorSource Linear 2 (Medium Vertical Lens)				
ColorSource Linear 2 (Medium Horizontal Lens)	26			
Rosco Twin spin Gobo Rotators	4			
City Theatrical Spot Kit (Source 4)				
Pattern Holders A size and B size				
Top and Half Hats	32			
6" Barn Doors				
Side Arms				



#### **SOUND SYSTEM OVERVIEW**

The Sound System is designed to be capable of sound pressure levels at a <u>maximum</u> 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	Туре
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
	1	24'	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
Сус	1	30'	65'	Light Blue Muslin
	1	30'	50'	Light Blue Muslin

## **VIDEO**

#### **PROJECTORS**

#### Sanyo PLC-XTC50L (\*\*\*SUBJECT TO AVAILABILITY\*\*\*)

**Specs:** 1024x768, 4:3 (xga), 5,000 Lumens, 1,100:1 contrast, 32.4 lbs

Lamps: 330W NSH bulb x2

**Location:** Variable

Lenses:

(1) LNS-S11 Long Zoom Lens (Throw ratio 1.62:1 – 2.11:1)

(1) LNS-S01A Medium Zoom Lens (Throw ratio 1.8:1 (wide); 2.9:1 (tele))

#### (2) Panasonic PT-EZ570UL

**Specs:** 1920x1200, 16x10 (wuxga), 5,000 Lumens, 5,000:1 contrast, 21.4 lbs)

Lamps: 330W UHM bulb

**Location:** HR/HL Upper King Boxes

Lenses:

(1) ET – ELW21 (Short throw fixed focus lens (8:1 Ratio)

#### **SCREENS**

#### Large Seamless Daylight Da-Tex Rear Projection Screen

16x9 (HD TV) Ratio 15'H x 26'6"W Fly only; non-mobile

#### (2) Seamless Daylight Da-Tex Rear Projection Screens

16x9 (HD TV) Ratio 6'6" H x 11'8"W Legs and Stands available for mobile use

### OTHER EQUIPMENT

#### **PIANOS**

- Steinway Concert Grand Piano 9' New York (On Stage)
- Steinway Concert Grand Piano 9' Hamburg (On Stage)
- > Baldwin Concert Grand Piano 9' (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**

Туре	Location	Capacity	Shower/Toilet
2 Star Dressing Rooms	Off SR Stage Level	2	1 Shared
2 Small Dressing Rooms	OFF SR One Flight up	2	1 Shared
Chorus Dressing Rooms	Ground Level	16	1
Chorus Dressing Rooms	Ground Level	10	1
2 Ensemble Dressing Rooms	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/ 3 Rolling Refrigerators/Deep Sink

#### Ruby Diamond Concert Hall

#### STAGE

