

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 on Convocation Way)

Phone: (850) 644-5541

Stage Phone: (850) 644-0324

Personnel

Production Office: Michelle McDaniel

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Event Manager/Lighting: Katie Redd

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Audio Director: Mike Shapiro

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Stage Manager: Russ Marsh

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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 normally store the orchestral shell.

US Linesets of shell are not useable 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
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 rd 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 Lighting Booth Orchestra Level
- **Remote Video Interface 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 from Lighting Booth or Back Stage SR.

On-stage Lighting Positions:

- **One Designated Electric:** 1st Electric: Line Set 3 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:** 2.4K
 - **Circuit Count:** 335 total

Circuit	Quantity
1 st 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			
Type	Make	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		
Type	Make	Quantity
Lustr 2	ETC	36
Colorsource Spot Deep Blue (currently with Fresnel Adapter, ERS body available)	ETC	24
Colorsource Spot, Deep Blue, ERS	ETC	4
Colorsource Linear 2 Deep Blue Strip Light	ETC	13
Colorsource Par	ETC	18

Automated Lights		
Type	Make	Quantity
Satura CMY Pro LED	Elation	6
Robe Spikie LED	Robe	4

Accessories	
Type	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)	26
ColorSource Linear 2 (Medium Horizontal Lens)	26
Rosco Twin spin Gobo Rotators	4
City Theatrical Spot Kit (Source 4)	3
Pattern Holders A size and B size	
Top and Half Hats	
6" Barn Doors	
Side Arms	

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).

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 1 P'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
	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
Cyc	1	30'	65'	Light Blue Muslin
	1	30'	50'	Light Blue Muslin

VIDEO

PROJECTORS

Sanyo PLC-XF47

Specs: 1024x768, 4.3 (xga), 15,000 Lumens, 2,000:1 contrast, 80.5 lbs

Lamps: 330W NSH bulb x4

Location: FOH Rail

Lenses:

(1) LNS-W06 Short Zoom Lens (Throw ratio 1.6:1 (wide); 2.1:1 (tele))

(1) LNS – Standard Zoom

Sanyo PLC-XTC50L

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

Lamps: 330W NSH bulb x2

Location: Spot Booth

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:

(2) 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

Type	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

Total seats: 1260
Total seats minus pit: 1172

Orchestra pit seats: 88
Aisle floor seats: 741
Balcony seats: 967
Parterre seats: 66

