

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](mailto:dmmcdaniel@fsu.edu)

**Lighting:** TBD

**Production Specialist:** Alayna Lee - (850) 644-3413 - [aalee@fsu.edu](mailto:aalee@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)

## **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:** 2.4K
  - **Circuit 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 |                        |          |         |
|-------------------------------|------------------------|----------|---------|
| 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<br><i>(currently with Fresnel Adapter, ERS body available)</i> | ETC  | 24       |
| Colorsource Spot, Deep Blue, ERS  | ETC  | 4        |
| Colorsource Linear 2 Deep Blue Strip Light  | ETC  | 13       |
| Colorsource Par   | ETC  | 11       |

| Automated Lights |         |          |
|------------------|---------|----------|
| Type             | Make    | Quantity |
| Satura Profile   | Elation | 5        |
| Robe Spikie LED  | Robe    | 4        |



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

| Accessories  |          |
|--|----------|
| Type   | Quantity |
| <b>EDLT Lens tube</b>                                |          |
| 26 deg   | 10       |
| 36 deg   | 18       |
| 50 deg   | 8        |
| 90 deg   | 8        |
| <b>LED CYC Adapters</b>                              | 10       |
| <b>LED Fresnel Adapter</b>                           | 4        |
| <b>ColorSource Linear 2 (Medium Vertical Lens)</b>   | 26       |
| <b>ColorSource Linear 2 (Medium Horizontal Lens)</b> | 26       |
| <b>Rosco Twin spin Gobo Rotators</b>                 | 4        |
| <b>City Theatrical Spot Kit (Source 4)</b>           | 3        |
| <b>Pattern Holders A size and B size</b>             |          |
| <b>Top and Half Hats</b>                             | 32       |
| <b>6" Barn Doors</b>                                 | 21       |
| <b>Side Arms</b>                                     | 51       |



### 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                           |
|                        | 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-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

| 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  
Ain Floor seats: 741  
Balcony seats: 367  
Parterre seats: 64

