

**Collins Center for the Arts**

**Hutchins Concert Hall**

**University of Maine, Orono, ME 04469**

### **Technical Information**

**Revised 1/21/2016**

Hutchins Concert Hall is a multi-use space that seats 1,435 people. It has been open since September 1986 with a major front of house renovation in 2007-2008. As a part of the University of Maine campus in Orono, Hutchins hosts a wide variety of events, presenting classical and contemporary music, dance, theater, comedy, ceremonies, and lectures. The Hutchins Concert Hall has two basic configurations to accommodate the variety of events presented: The theater/dance mode and the orchestral configuration.

#### **Staging**

Viewed from above, the stage is an inverted trapezoid. The down stage edge of the orchestra pit lift measures 45'5", while the width at furthest usable upstage line is 110'4" (wall to wall). Stage depth at this configuration is 41'. When the pit lift is recessed for performance, the stage depth decreases to 32', while the down stage width increases to 61'6". Wing space and access are adequate for most purposes, but more limited on stage right. For further detail please review the accompanying drawing.

#### **Floor Construction**

The entire stage floor and backstage, with the exception of the carpeted crossover hallway and dressing rooms, are constructed as follows:

- 3/4" edge grain, tongue and groove Maple (stained black)
- 3/4" edge grain, tongue and groove Douglas fir
- Asphalt saturated felt
- 3/4" plywood
- 5" Wooden sleepers
- Concrete

There are no traps in the floor as the area beneath the stage is unexcavated.

There are 6 pieces of Rosco dance floor that measure 60'x 5' to give 60'x30' total stage cover if needed.

#### **Orchestra Pit**

The concert hall is equipped with an orchestra pit with a hydraulic lift. The lift measures 61'6" w where it meets the apron of the stage, 45'5" w at its down stage edge and is 7'10" in depth. When lowered to crowd height, the pit is 42" below the down stage edge of the stage. When pit is fully lowered it is 9'2" below the stage. In this position there is 8' of used storage underneath the stage. There also is 8' under the audience, but at a height of 6'. It is possible to use risers to make a stage here for a pit orchestra. Access to the pit is by elevator or stairway in the upstage right end. Pit hydraulics is controlled by a hand-held motor control located in a recessed pocket in the middle of the pit deck. The pit is also equipped with clear-com lines and electrical outlets.

### **Loading Door**

**East side (stage left) loading** is through a 7'10" h x 8'0" w rolling overhead door. This doorway is level with the ground. A ramp or lift gate is required. Through this door is a set of double doors, which at 6'10" wide, is the narrowest opening that equipment must pass through. This loading door is ground level and poses no problem. The push from here is straight onto stage.

**West side (stage right) loading** is a little tougher. There are two 90-degree turns in an 8' space. The 2 doors both measure 7'h x 6'w. The loading door on this side has a 6" lip, therefore, a ramp or lift gate is required.

### **Parking**

Trailers will be allowed to park in each dock as long as fire lanes are not blocked. THE DRIVER MUST CHECK WITH THE TECHNICAL DIRECTOR BEFORE LEAVING. **The University of Maine has a "Vehicle Idle Policy" which prohibits idling, with limited exceptions – i.e. Temperature below 0°F for diesel vehicles.**

\*THERE IS NO SHORE POWER PROVIDED.

\*If there are more than 2 trucks then we can park them in nearest lot.

\*Bus parking is directly behind the building and can accommodate 2 tour coaches.

### **Orchestra/Non-amplified**

The orchestra/non-amplified configuration retracts all draperies fully offstage and trims all line sets to grid height (28'). The shell is made by first raising the ceiling using five 7,500 lb. fail-safe dead haul winches. This is a steel boxed truss ceiling with eleven circular sound deflectors. These deflectors match the ones that are over the stage apron and pit-lift. Dimmable lighting mounted in the ceiling is controlled from front of house. The next step is to close in the walls. These walls are as follows:

1 down stage right, 1 down stage left, 1 up stage right, and 1 up stage left.

These walls are swung inward to make an arch that matches the upstage wall. The total enclosure measures 23'h x 41'deep (with pit-lift up). The width at downstage edge is 70', while the upstage width is 46'8".

\*THERE IS NO OVERHEAD RIGGING WITH SHELL IN RAISED POSITION.

### **Theater/Dance**

The stage of the concert hall was designed without a traditional hard proscenium. A false proscenium is created by retracting the main curtain and closing the main border. Due to the width of the hall we recommend that an opening of at least 45' be kept to help with sight lines. In this mode we also use two additional sets of travelers, both with fullness. The main curtain, main border, and first traveler are controlled with a rope pull on upstage right. The second traveler is a manual pull. There are also:

(4) 24' x 20' removable legs (without fullness) and (3) additional borders (2 without fullness and 1 with fullness) that can be used.

**\*THERE IS NO FLY SPACE AT THE COLLINS CENTER\***

HOUSE LINE SET SCHEDULE:

We have 7-60' pieces of flown 12"x12" truss to make up our linesets. They are each rigged on 3 ½ ton Stagemaker SRS motors. The control remotes are located upstage left.

All linesets can be removed or moved to different positions per request and approval by the Technical Director.

All distances are referenced from the downstage center edge of the main stage, does not include the pit.

All trim height to bottom of truss is 26'

FOH (Catwalk).....	41'0"
Main Curtain (deadhung traveler).....	9'6"
Main Teaser (deadhung traveler)....	10'8"
Truss #1 rig points.....	12'4"
-Truss #1 dowstage cord .....	12'
-Truss #1 upstage cord.....	12'8"
Truss #2 rig points .....	14'10"
-Truss #2 downstage cord.....	14'6"
-Truss #2 upstage cord.....	15'2"
First Traveler (deadhung traveler)....	16'4"
Truss #3 rig points .....	17'8"
-Truss #3 downstage cord.....	17'4"
-Truss #3 upstage cord.....	18'
Truss #4 rig points .....	21'2"
-Truss #4 downstage cord.....	20'10"
-Truss #4 upstage cord.....	21'6"
Midstage Screen (deadhung).....	22'6"
Truss #5 rig points .....	24'6"
-Truss #5 downstage cord.....	24'2"
-Truss #5 upstage cord.....	24'10"
Truss #6 rig point.....	27'10"
-Truss #6 downstage cord.....	27'6"
-Truss #6 upstage cord.....	28'2"
Third Traveler (deadhung traveler).....	29'4"
Truss # 7 rig points.....	31'
-Truss #7 downstage cord.....	30'8"
-Truss #7 upstage cord.....	31'4"

\*With the Technical Directors approval, rigging from the grid may be performed when line set placement cannot adequately accommodate the needs of a performance.

\*Motor Points and truss can be moved per request, but this is the typical house hang

\*Curtain tracks are deadhung and cannot be moved up and downstage

### Service Disconnects

The concert hall is equipped with (2) electrical service disconnects, both of which are mounted on the far upstage left wall within 25' of stage.

1. Lighting company switch is a 400A, 3Phase, 5-wire chassis mount panel.  
NO TAILS. Cams are chassis mount female. We carry 50' of 4/0 feeder.
2. Audio company switch is a 200A, 3Phase, 5-wire chassis mount panel.  
NO TAILS. Cams are chassis mount female. We carry 50' of 2/0 feeder.

### Lighting Inventory

Light Controller: ETC ION w/ 80 faders  
Follow Spots: (3) Explorer Spot Lights  
Intercom: (10) Station Clear Com

Altman PAR64 (medium, wide, and narrow) .....	30
Altman 1KAF 6" Fresnel .....	21
ETC Parcans (VN/N/M/W glass for each) 575w .....	30
ETC Source Four 10 degree (FOH catwalk) 15amp plug for multiplexing .....	30
ETC Source Four 19 Degree 575w .....	20
ETC Source Four 26 Degree 575w .....	40
ETC Source Four 36 Degree 575w .....	50
ETC Source Four 50 Degree 575 .....	6
Strand CYC Strip (3 colors each, 6' long/6 lamps) .....	12
Martin Mac 250+ moving lights .....	14
Martin Mac 300 moving lights .....	8
Color Kinetics ColorBlast 12TR .....	20
Booms with base (10' Tall, 1.5" black pipe) .....	6
Floor Stands (Single instrument) .....	12
Tophats: 10" .....	15
7.5" .....	15
Barn doors: .....	16

\*All instruments are equipped with gel frames and pattern holders.

\*Rosco and Lee color media are kept in stock. Apollo will be ordered as needed.

\*All electrical equipment and temporary installations must be in full compliance with the current National Electric Code. No equipment that is in questionable condition or noncompliance will be allowed at this venue.

\*All fog, haze, laser, and pyrotechnical effects must comply with State of Maine Fire Code and are subject to inspection and approval by a representative of the Town of Orono Fire Department and/or the State of Maine Fire Marshal's Office.

\*All circuits on stage have female L5-20 twist lock connectors.

\*An ample supply of 12/3 SO cable and two-fers are available.

### Sound Inventory

System is a flown, stereo, left and right, configuration with front fills, inner and outer. Cabinets are:

**MAINS:**

- 5 - Dynacord Cobra - Tops per side. Each cabinet is a 3-way with:
  - 1-15" EV DL15Y for lows
  - 4-4" Dynacord C8 cone transducers for mids
  - 1-2" EV DH2T titanium driver and a HPT94 constant directivity hornCoverage is 120 x 30 at 1K
- 4 - JBL STX828S (2 per side) Each cabinet contains:
  - Dual 18" Bass Reflex Subwoofers.

**AMPS:**

- 4 - Dynacord L2400 Linear Precision Amps for mains.
- 2 - Crown XTI6002 Digital Amps for Subs.

**PROCESSOR:**

- 1 - Dynacord DSP 244 Digital Sound System Processor

**FRONT FILLS:**

- 6 - EAW JF80
- 2 - Crown XTI2002 for front fills

**FOH CONSOLE:** Yamaha PM5D - RH  
Gates, Comps, EQ's and Effects are all on board Console

**PLAYBACK/RECORD:**

- 2 - Tascam CD - 01U CD players
- 1 - Tascam CD - RW900 player/recorder
- 1 - Tascam MD-301Mk II Mini disc player/recorder
- 1 - Tascam DA-30Mk II DAT player/recorder
- 1 - Tascam 302 Dual well cassette deck player/recorder

**MONITOR SYSTEM:**

MON Console: Yamaha PM5D

8 - Mixes

- 10 - JBL VRX915M Bi amped monitors
- 8 - Crown XTI4000 amps in bi amp mode.

Also have 4 full range mixes from FOH.

- 8 - JBL VRX915M
- 1 - Crown XTI2002

Also have 2 - JBL Powered PRX 412M with powered PRX 418S Subwoofers.

The 412Ms can be used as side fills or monitors.

The 418Ss can be used under 412Ms as three-way side fills or used as drum subs.

48 x 8 Split snake

200 Amp 3 phase distro with cam in and outs

Full assortment of mic stands and mic cables.

We use a Williams Sound Infrared hearing assist system.

**MICS:**

**SHURE**

- 1 - BETA 91
- 1 - BETA 52
- 4 - BETA 98D
- 4 - BETA 87
- 6 - SM58
- 4 - SM57
- 4 - SM81
- 2 - PG57
- 4 - ULX1 RECIEVER AND BELTPACK
- 4 - SM58 handheld
- 2 - ISOMAX HEAD MIC
- 2 - CROWN 311CM HEADSET
- 2 - WL183 LAVALIER

**AKG**

- 2 - 414
- 4 - 451
- 4 - CK1
- 4 - CK22
- 3 - D1200E
- 2 - D130E

**AUDIO TECHNICA**

- 4 - AT531 PZM
- 2 - AT4033

**DI**

- 6 - BSS AR133

**EV**

- 2 - RE20
- 3 - ND757

**SENNHEISER**

- 2 - MD421

**PORTABLE SOUND SYSTEM:**

- 2 - PRX215M 15" 2 way
- 2 - PRX418S 18" Sub
- 1 - Allen & Heath Mix Wizard 16 channel
- 1 - Yamaha SPX990
- 2 - dbx 166 Compressor
- 2 - JBL Eon 12 for monitors
- 2 - JBL stereo 31 band EQ

## **Video Inventory**

We carry (2) video systems.

1. Da-Lite 30'x20' screen mounted above stage. (See stage diagram)  
Christie CP2000M 2k, 12,000 lumen projector.  
Panasonic Blu-Ray player.  
Christie Cine IPM scaler to hook up other forms of playback.  
This system can be configured in 5.1 surround sound.  
This system is permanently installed.
2. Da-Lite 24'x15' screen mounted downstage of main curtain.

If you have any questions please contact the following people.

### **Technical Director / Production/ Sound**

Jeff Richards (207)-581-3348 FAX: (207)-581-1837  
[jeffrey.richards@umit.maine.edu](mailto:jeffrey.richards@umit.maine.edu)

### **Assistant Technical Director/ Lighting**

Scott Stitham (207) 581-1759 FAX (207) 581-1837  
[scott.stitham@maine.edu](mailto:scott.stitham@maine.edu)

### **Theater Operations / Hospitality / House Manager**

Joe Cota (207)-581-3351 FAX: (207)-581-1837  
[joe.cota@umit.maine.edu](mailto:joe.cota@umit.maine.edu)

**PLEASE HAVE PROD/TOUR MANAGER SIGN AND RETURN THIS PAGE**

\_\_\_ The stage hand/labor is comprised of paid University of Maine students. All student employees are trained on a regular basis in the live production field.

**\_\_\_ The Collins Center of the Arts shall have the right to govern maximum sustained sound pressure levels for all performances in the Hutchins Concert Hall. Maximum average levels shall be in accordance with published AES standards. The measuring position shall be the house mix position at FOH center. The sound level measuring device shall be the house RadioShack meter Model 33-2055. Measurements will be on the A weighted scale. Allowable measurements will be 95db SPL with peaks to 100db. It should be noted that due to the concert halls design as an un-amplified acoustic performance space, these measurements are adhered to, both on stage as well as in the house.**

\_\_\_ There is no fly space at the Collins Center for the Arts.

\_\_\_ There is no shore power at the Collins Center for the Arts.

\_\_\_ There is no laundry facility at the venue. Arrangements can be made with the House Manager to have your laundry taken to local laundromat and/or dry cleaners. An industrial steamer, iron, and ironing board are available at the venue.

\_\_\_ Accommodations are as follows:

\*Dressing room 1: Located on the stage left side of the hallway, this room includes 1 shower, 2 lavatories with lighted mirrors, 13 lighted make-up mirrors, clothing hooks, electrical outlets, 2 full length mirrors, and a wall mounted hand dryer. In a separate adjoining room are 2 toilets and a lavatory with mirror. Size of room is app. 16' x 17'

\*Dressing room 2: Located on the stage right side of the hallway, matches room 1 except there are 22 lighted make-up mirrors and the dimensions are 21' x 30'.

\*Studio: Located on the second floor, stage right. This room has a usable space of app. 32' x 16'. One wall is fully mirrored with dance bars 41" above the floor. There is a Steinway upright piano here. Access to the stage is either by stairs or elevator. This is also where most catering is located.

NAME (print) \_\_\_\_\_

SIGNATURE \_\_\_\_\_

TITLE \_\_\_\_\_

CONTACT cell: \_\_\_\_\_ office: \_\_\_\_\_

CONTACT email: \_\_\_\_\_

Please return this to: Jeffrey Richards, Technical Director  
5746 Collins Center for the Arts  
University of Maine  
Orono, ME 04469  
jeffrey.richards@umit.maine.edu  
(207) 581-3348