

Technical Information Packet

MORTON H. MEYERSON SYMPHONY CENTER



Contents

Meyerson Operations Staff	1
About the Concert Hall.....	2
Rules and Policies	3
Unloading and Parking	4
General Loading Dock Information	5
Cable Pass Throughways and Stage load-in openings	6
Stage Specifications	7
Power Distribution	8
Lighting.....	9
Audio	10
Audio Recording.....	12
Video Projection:	13
Video Recording	14
Live Stream:	14
Backstage Information	15
Dressing Rooms.....	15
Miscellaneous Information	17
Seating Information.....	17
Stage Equipment	17
Auxiliary Spaces	18
Internet Access	18
Pianos / Organ	18
Stage Pianos:	18

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Meyerson Symphony Center Technical Staff

The Meyerson Symphony Center is not a union facility and is managed by a full-time event production staff. **Note: All stage rigging work and follow-spot operators will be provided by members of IATSE Local 128. These labor calls are made by the Meyerson Technical Operations Staff with a 4-hour minimum.**

About the Concert Hall

The Morton H. Meyerson Symphony Center

The Morton H. Meyerson Symphony Center opened in 1989 and is an optimal space for concerts, recitals, recordings, meetings, receptions, weddings, banquets and special events. The Meyerson Symphony Center is managed by the Dallas Symphony Association. The building was designed by world-renowned architect I.M. Pei, and the acoustician was Russell Johnson of Artec Consultants.

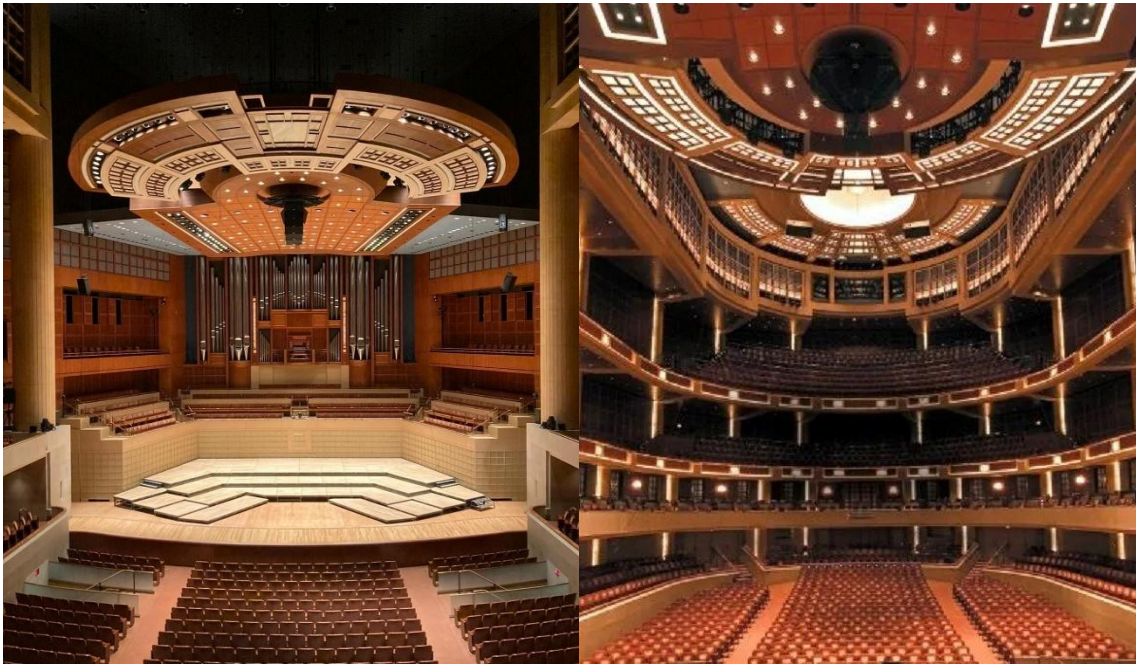
Eugene McDermott Concert Hall

The centerpiece of the Meyerson Symphony Center is the Eugene McDermott Concert Hall, an intimate performance space with seating for 1,772. Every detail of the concert hall is designed to achieve the highest acoustic quality, with adjustable elements available to tailor the acoustical environment to the performance.

Adjustable Acoustics

Four acoustic canopies are suspended above the stage, which may be raised, lowered or tilted to enhance sound clarity. Selecting canopy heights for each concert is dependent on several factors including the size and location of the performers, the instrumentation, and the style or character of music being performed.

The reverberation chamber is a 300,000 cubic foot space, which surrounds the upper perimeter of the shoe-box shaped concert hall. The doors can be open to increase the decay time or closed to reduce the reverberation. Sound absorbing acoustic curtains are also available within the reverberation chamber and throughout the concert hall on three levels to achieve the desired articulation of sound



Rules and Policies

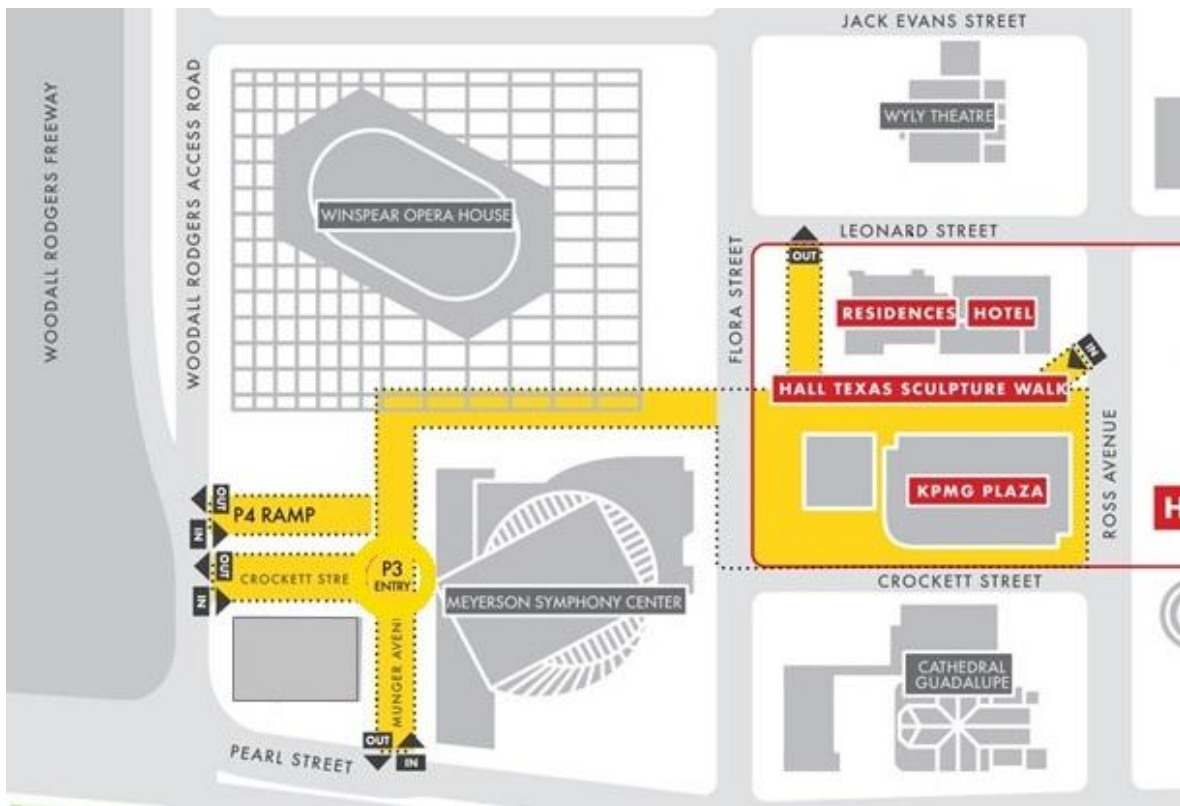
General Rules and Policies

1. Placement of decoration and signs throughout the building must be approved by the venue staff.
2. No sign or decoration may be affixed to the interior walls, exterior or sidewalk.
3. Glitter, Confetti, Helium Balloons, or Open Flames are prohibited inside the building.
4. The Meyerson Symphony Center is a smoke free building.
5. Animals (other than service animals) are not permitted in the Meyerson Symphony Center.
6. All Food and Beverage services are exclusively provided by Culinaire International.
7. The Meyerson Symphony Center reserves the right to determine the security personnel requirements for each event. Please note that firearms are prohibited.
8. The Meyerson Symphony Center reserves the right to eject or cause to be ejected from the premises any person or persons causing a disturbance at the Facility. The Dallas Symphony Association or any of its employees or agents shall not be liable for any damage that may be sustained through exercise of such rights.

Production Rules and Policies

1. Artist / visiting company will provide a list of all persons to be allowed in the backstage area. This list must be provided at least 72 hours prior to the first day of occupancy, and approved by a Facility representative. The Meyerson Symphony Center reserves the right to restrict backstage access.
2. Artist / visiting company will provide all final technical requirements no later than 30 days prior to the first day of occupancy.
3. The use of any flame, combustible materials, stage firearms, or pyrotechnic effects are prohibited.
4. The use of special effects including but not limited to strobe lights, lasers, smoke effects, water-based haze or fog, must be approved in advance by the Facility Management. Additional permits may be required through the City of Dallas.
Please note that the use of oil-based haze / fog fluid is prohibited.
5. Artist / visiting company will not make holes, drive nails, tacks, screws or similar hardware in any part of the premises at any time.
6. No painting, hot work, or carpentry is permitted on stage at any time.
7. No food or drink is permitted on stage with the exception of water in a closed container
8. For the safety of our guests, staff, and audio equipment there is a 95dB limit.

Unloading and Parking



For loading dock use P4 Ramp

For Valet and Hall Arts Parking Garage use P3 Ramp

Physical and Mailing Address

Morton H. Meyerson Symphony Center
2301 Flora Street
Dallas, Texas, 75201

(This is the address for the **front** door of the building, not the loading dock).

THE LOADING DOCK IS NOT AT STREET LEVEL.

IF YOU UNLOAD AT A STREET LEVEL DOCK, YOU ARE AT THE WRONG VENUE!

The loading dock is located off the Woodall Rodgers Freeway service road just east of the Pearl Street intersection. The dock is located **UNDER** the Morton H. Meyerson Symphony Center. The ramp to the dock goes straight down from the Woodall Rodgers access road to underneath the Meyerson Symphony Center. There is a guard booth at the bottom of the ramp and all drivers must check in with security before proceeding to the dock. The guard booth is on wheels and will be moved out of the way for truck access. Please wait for the guard booth to be moved and electrical power line to be disconnected before driving into the dock.

TRUCK DRIVERS:

All tractor trailer rigs over 42' in length **MUST** back down the ramp into the dock as there is **NOT** room to maneuver at the bottom of the ramp if attempting to enter cab first. Ramp entrance measures 24'-6" x 14'-2" high. A typical 13' 6" truck will clear without any problems.

BUS / MOTOR COACH DRIVERS:

Do not attempt to drive a bus into the loading dock area. The ramp is steep and attempting to do so may result in damage to the vehicle at the bottom of the ramp. The Meyerson is located in the heart of the Dallas Arts District in Downtown Dallas and bus parking is prohibited in this area. If you travel by bus, we are happy to assist with providing information regarding off-site parking.

General Loading Dock Information

- Dock height is (4) four feet and can accommodate (2) semi-trailers. Dock levelers are installed that can lower the dock height to 3' 5" high.
- **Please re-set the dock leveler after each use. Any damages will be at the responsibility of the user.**
- The freight elevator is approximately (50) fifty feet from the dock. The elevator travels between the dock level and the stage level only. At stage level, freight elevator access is backstage right. Freight elevator measures 18' x 11' x 9' 6" high. Clearance inside elevator is 9' 6". Capacity is 10,000 lbs.
- The freight elevator is not for passenger use
- Fork lift is **NOT** available

Cable Pass Throughways and Stage load-in openings

Doors:

- Backstage right from freight elevator (bi-fold acoustical door): 18' wide x 11' high
- Stage right and left doors from backstage to stage (double doors): 7'-9" wide x 9'-9" high
- Backstage left door to lobby: 2'-9" wide x 6'-8" high (two steps at this location)
- Lobby doors (entry from street): 5'-7" wide x 8' high

Cable Pass Throughways (all 8" diameter openings):

- Loading dock backstage right
- Stage left and stage right up to Choral Terrace, Side Lighting, Reverb Chamber, and Attic.
- Rear center of Orchestra Terrace up to Loge, Dress Circle and Grand Tier.
- Stage left and right booths to the stage

Stage Specifications

Stage

- Stage dimensions: 66' 6" wide x 42' 8" deep.
- Please note, the standard stage configuration **includes** orchestra risers and hanging microphones. If any sections of the risers need to be removed for an event, you must contact the Meyerson Operations Staff in advance and there will be an additional cost. Riser removal is subject to DSO Management approval.
- There is no fly space or wing space, and the facility does not have curtains, legs, borders or other soft hanging goods.

Rigging

- (10) CM Lodestar one-ton chain motors are available in the concert hall attic above the stage.
- The attic above the concert hall is outfitted with Socopex outlet boxes and cable to use with lighting trusses over the stage and audience. Please refer to stage diagrams regarding rigging point locations.
- Installation of Special Rigging must be scheduled when making facility rental arrangements and is subject to DSO Management approval.

Power Distribution

Company Switches

	<u>Location</u>	<u>Type</u>	<u>Plug</u>	<u>Typical Use</u>
#1	Backstage Right	400a / 208v / 3 Phase	E1016 Cam-Lock	Audio/Video
#2	Backstage Right	400a / 208v / 3 Phase	E1016 Cam-Lock	Lighting
#3	Offstage Right	200a / 208v / 3 Phase	Bare Wire Only	General
#4	Backstage Left	*200a / 110v / 1 Phase*	E1016 Cam-Lock	Audio
#5	Loading Dock	200a / 208v / 3 Phase	Bare Wire Only	Broadcast
#6	Exterior North	*200a / 208v / 3 Phase*	E1016 Cam-Lock	General
#7	Exterior North	*200a / 208v / 3 Phase*	E1016 Cam-Lock	General

Isolated Ground

NOTE: Switch #4 Stage Left is **NOT** a 3-phase panel.

If 3-phase power is required for an Audio System, 150' feeder cable is the suggested minimum to get from company switch #1 to stage left.

The Facility does **NOT** have any "house" feeder available in any length.

Meyerson Technical Staff **MUST** connect and disconnect feeder from company switch.

Concert Hall Power Circuits

<u>Quantity</u>	<u>Location</u>	<u>Type</u>	<u>Plug</u>	<u>Typical Use</u>
4	Offstage Right	*20a / 120v / 1 Phase*	NEMA L6-20	General
2	Upstage Center	*20a / 120v / 1 Phase*	NEMA L6-20	General
4	Offstage Left	*20a / 120v / 1 Phase*	NEMA L6-20	General
4	Orchestra Terrace	*20a / 120v / 1 Phase*	NEMA L6-20	General

Isolated Ground

Lighting

Lighting Booth is located Rear House Left Orchestra Terrace with stage feedback monitor to supplement for Loge Terrace overhang. The lighting console may be moved into the house for programming but must be moved back into the lighting booth for events.

Control Equipment:

High End Systems Hog 4-18 lighting console (4k Output)
(2) 19" Displays
ETC D20 Dimmers
Color Tran D192 Dimmers
ETC Net 3 sCAN Network Protocol

Acoustic Canopy Lighting:

The Concert Hall is equipped with over 310 conventional lighting fixtures housed within the acoustic canopies above the stage. Each section of the canopy can be controlled independently, which offers a traditional wash of bright light for performer visibility, video recording, and reading music. These fixtures **cannot** be re-focused or gelled

Front Lighting:

(12) ETC Source Four 750w 5° specials (These fixtures **cannot** be re-focused or gelled)
(22) ETC Source Four 750w 5° FOH lights (These fixtures **may** be re-focused or gelled)

Side Lighting:

(12) High End Systems Lonestar Profile fixtures

Down Stage Overhead Lighting:

(6) High End Systems Lonestar Profile fixtures
(4) ETC Source Four 19° specials (These fixtures **cannot** be re-focused or gelled)

FOH Truss:

5) High End Systems Solaframe 3000 fixtures
(4) High End Systems Solaspot 3000 fixtures

Architectural Accent Lighting:

(6) Philips Showline Uplights (Concert Hall Columns and Organ Columns)
(2) ETC Colorsource Ellipsoidals (Organ Wash)
(2) ETC 50° Ellipsoidals (For Chorale Terrace Wash)
(2) High End Systems Lonestar Profile fixtures

Follow Spots:

(4) Lycian M2 Long Throw 2500W follow spots

*Elevation is 78' and the projection distance to the apron is approximately 120'

Audio

For the safety of our guests, staff, and equipment there is a 95dB limit.

The Meyerson Symphony Center FOH Mix Location is at rear house right This position is not under a balcony. Sound mix platform is 67' from the stage proscenium. Cable path from FOH mix to stage is 90'. Platform is 10' x 4'.

Consoles: Midas M32; Behringer X32 Compact

Drive Line Inputs: Mono sends for Main, Sides, and Front Fills

Note: The existing house PA system does **NOT** have subwoofers.

Input Infrastructure: Analog 36-ch stage input box; Analog 36-ch FOH fan-out; Various tie-lines and sub-snakes available.

Central Line Array

(6) EAW KF730 SLAM

Front Fills

(6) Meyer Sound UPA-1A Loudspeaker

(4) VUE Audiotechnik i2x4.5-bnl Loudspeaker

Loge

(2) EAW KF300i Loudspeaker

Dress Circle

(2) EAW KF300i Loudspeaker

Grand Tier

(2) EAW KF300i Loudspeaker

(2) EAW MQV 1394e Loudspeaker

Chorale Terrace

(4) EAW KF300i Loudspeaker

Dress Circle Lofts

(2) EAW KF300i Loudspeaker

Monitor Speakers

(2) JBL SRX-712

(2) EAW SM202H

(5) Mackie SRM150 Powered Hot Spot

(3) Behringer Eurolive B205D Powered Hot Spot

Wired Microphones:

- (6) Shure SM81
- (6) Audio Technica Pro 37
- (1) Shure Beta 91A
- (2) Sennheiser e604
- (2) AKG D 112
- (1) Sennheiser MD 421
- (2) AKG C414
- (4) Shure Beta 87A
- (4) Shure Beta 58A
- (8) Shure SM 58
- (2) Shure SM 57

Wireless Microphones

- (6) Shure UR4D (Handheld and Beltpack available)
- (2) Shure ULXD (Handheld ONLY)

Intercom Communication:

- (18) Clear-Com CC-110-X4 Single Ear Headset
- (18) RS-701 Single Channel Beltpack

The in-house communication system is wired. A wireless intercom system may be rented and integrated with the in-house wired communication system.

Assistive Listening System:

- (1) BSS Blu-50 processor w/ "Hear Us Now" proprietary software and network interface
- (1) Listen Technologies LT800-072-01 stationary RF transmitter (72MHz)
- (60) Listen Technologies LR-300-072 portable digital RF receivers (72 MHz)
- (60) "Hear Us Now" headsets
- (5) "Hear Us Now" high performance T-loop adapters
- (10) "Hear Us Now" streamer interfaces

Audio Recording

Audio Recording Software:

Merging Technologies Pyramix

RAVENNA Audio Network

Audio Recording Hardware:

(2) Merging Technologies Computers

(3) Merging Technologies HAPI with 16 inputs

(1) Merging Technologies HORUS with 24 inputs

Hanging Recording Microphones:

Decca L/R: (2) Schoeps CCM 6U

Decca Center: Schoeps CCM 2H

DSL & DSR outriggers: (2) Neumann KM 131

USL/USR: (4) Schoeps CCM 22

DSL/DSR: (2) Schoeps CCM 21

Choral Terrace: (4) Schoeps CCM4V

Ambient House L & R: (2) Schoeps CCM3

Recording microphones are permanently hung above the stage and are part of the standard stage configuration. Microphones may be positioned as needed.

Video

Switching:

BlackMagic Design ATEM 1 M/E Advanced Panel (4K)

Routing:

BlackMagic Design Smart Videohub 40x40 6G SDI (4K)

Streaming:

AJA Helo H.264 HD/SD Video Recorder & Streaming Device (4K)'

Audio Monitoring:

Allen and Heath Digital Mixer with JBL 3 series MKII 8" Powered Speakers

Monitors/Viewing:

(2) 55" 4K Samsung Monitors (VCR Multiview and Program View)

(2) BlackMagic Design SmartView 4K 15.6" Ultra HD LCD Monitor (PTZ Viewfinder) Capable of Multiview or Camera Op Switchable

Camera:

(6) Telemetrics RoboEye2 PTZ Camera Bundle (Sony 4K Camera)

(1) Panasonic AW-UE150 Premium 4K60 Camera

(2) Telemetrics RCCP-2A PTZ Controller

(2) Sony FXII Static Camera

(1) Marshal CV420-CS

Tripod:

(2) Sachtler ACE Tripods

Graphics/Playback:

(1) BlackMagic Design HyperDeck Studio 12G (4K)

(1) BlackMagic Design ATEM 1 M/E Advanced Panel

Recording:

(1) Atomos 7" Shogun HDR Classic Cinema Monitor-Recorder-Switcher (4K)

(5) Atomos Shogun Studio 2 HDR Dual Monitor, 8-Channel HDp60 or 2 CH 4Kp60 Rack Mounted Recorder

(1) AJA Helo H.264 HD Video Recorder, records to USB/SD (1080p)

File Management:

It is required that the client is to provide a hard drive containing at least 1 TB of storage the day of the recorded event.

Video Projection:

Video projection within the concert hall must be scheduled in advance when making facility rental arrangements and is subject to DSO management approval. The DSO does not own video projection equipment for video playback or IMAG within the concert hall

Video Recording

Video Equipment Operation, Graphics, Clips, Streaming:

The Video control room records programs in 1080p/29.97fps. Upon request and approval of facility management the video room also has the ability for Recording/Streaming/Multiview in full 4K (2156px60 frames)

Video Equipment Operation: The DSO will provide technicians to operate the in-house robotic cameras, manual cameras, video switcher, video recorders and the video stream. Varying camera packages and recording options are available with varying fees to be determined based on complexity of the production entities.

Video Director/Score Reader: It is advisable and helpful for the client to provide a detailed script or “run of show”, as well as a video director and/or music score reader who is familiar with the program to advise and assist audio/video technicians with establishing and capturing desired camera shots.

Title Graphics, Still Images, Video/Music/VO Clips should be provided in advance so the DSO technical team has ample time to load and test files prior to the event. Files may be sent via email, Dropbox, Google or other means. Graphics should be in PNG file format.

Video Clips: Clip playback will be performed from the video control room Hyperdeck or one of the Atomos machines. Please provide video clips in Full HD 1020x1080p (HDp29.97 format), with ProRes Codec and 422 Compression to be compatible.

Live Stream: Video streaming will be provided via our Helo streaming device. Please provide the host platform information (Vimeo, Facebook, YouTube etc.) as well as the RTMP Server and URL Stream Key credentials for the event day or for stream testing prior to the event. Testing in advance is always recommended, so please schedule accordingly with the technical staff.

Time Code: The final audio and video program recording as well as each isolated camera recording will include drop frame mode time code

Backstage Information

Dressing Rooms

1st floor (stage level):

Room #1: Private dressing room with sofa, makeup table/chair, practice piano, ensuite bathroom, closet. Suggested capacity: 1-2 persons.

Room #2: Private dressing room with sofa, makeup table/chair, practice piano, ensuite bathroom, closet. Suggested capacity: 1-2 persons.

Room #3: Private dressing room with a practice piano, sofa, makeup table/chair, ensuite bathroom, closet. Suggested capacity: 2 persons.

2nd floor:

Room #1: Private dressing, makeup table/chair, ensuite bathroom, closet. Suggested capacity: 1-2 persons.

Room #2: Private dressing room, makeup table/chair, ensuite bathroom, closet. Suggested capacity: 1-2 persons.

Two medium dressing rooms: 2 showers, 2 sinks, 2 toilets. 10 person capacity.

Two large dressing rooms: 2 showers, 4 sinks, 6 toilets. 20-30 person capacity per dressing room

Musicians Lounge

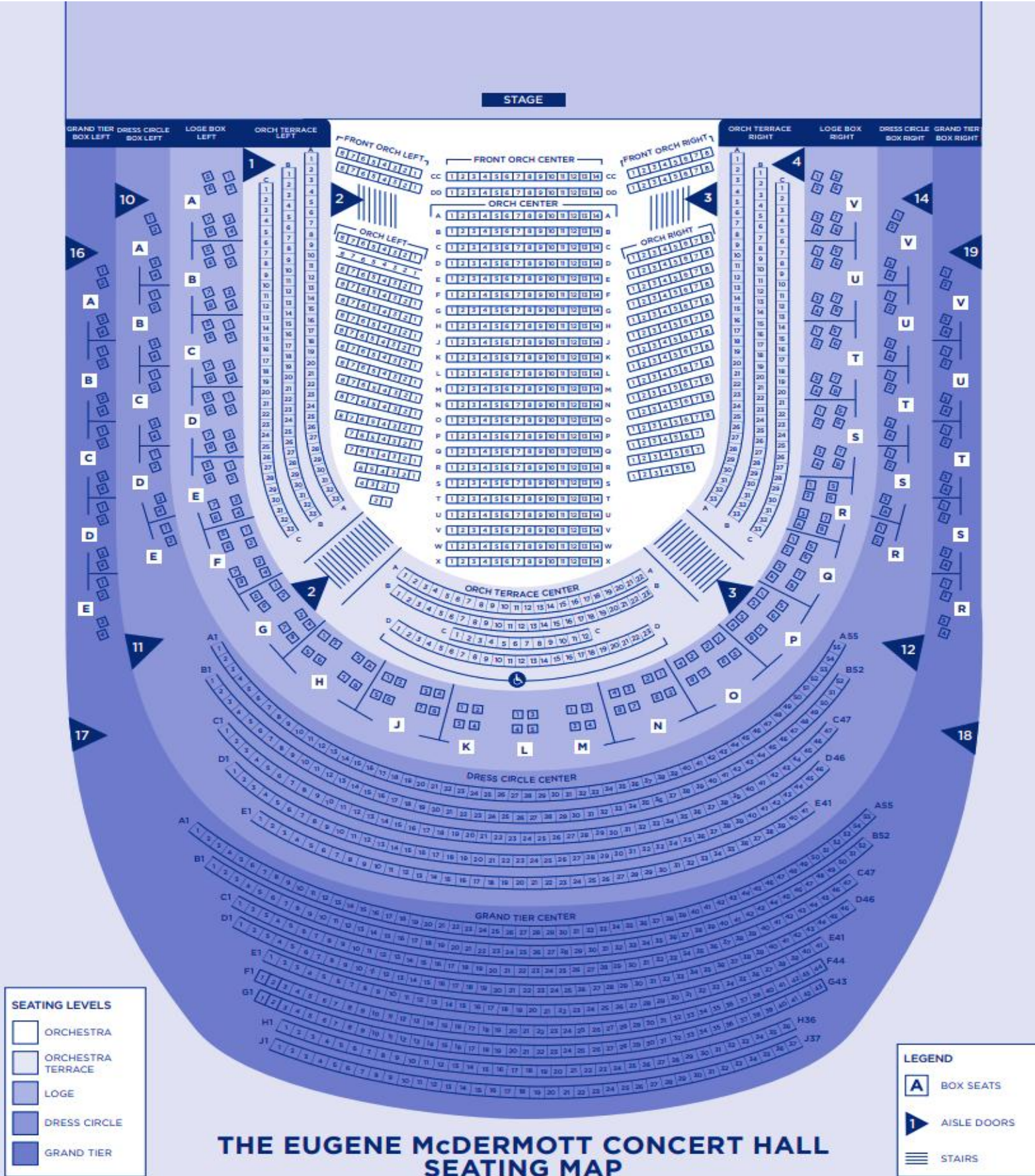
The Musicians' Lounge is located backstage right and is furnished with couches and lounging furniture.

Green Room

The green room is located offstage left and is accessible from both the dressing rooms and the lobby.

Atrium / Catering Area

Located between the backstage left and the dressing rooms on the first floor. This space can be used for catering for guest artist and crew.



Miscellaneous Information

Seating Information

	Total
Orchestra	620
Orchestra Terrace	278
Loge Box	156
Dress Circle	277
Grand Tier	441
	1772 Total Capacity
Chorale Terrace	196
Dress Circle Lofts	24
	1992 Total Capacity

***Additional Seating Areas may be sold to the public
with approval by facility management***

Stage Equipment

- (120) Orchestra chairs
- (90) Music stands
- (1) 4' x 3' x 11" Conductor Podium
- (1) 4' x 3.5' x 7" Conductor Podium
- (1) 64" x 36" x 16" Conductor Podium
- (1) Manhasset Metal Conductor Stand
- (1) Custom Wooden Conductor Stand
- (1) Cherrywood Lectern
- (1) Plexiglass Lectern with Dallas Symphony Orchestra Logo
- (2) Stair units; steps may be placed in the aisles DSL and DSR

Depending on which stair units are chosen, for the safety of guests, the Meyerson Symphony Center Staff has the right to restrict the seating which may be affected by the additional stair units

Lower Lobby Auxiliary Spaces

Brierley Suite: Capacity is 20 persons depending on event. Room is equipped with a conference table as well as a projector and screen.

Anita Sampels Suite: Capacity is 20 persons depending on event.

Horchow Hall: Capacity is 160 persons depending on the event. Room is equipped with a Piano, Lectern, and projector with screen and 2 side Televisions.

Hart Atrium: Capacity is 150 Persons depending on event. Equipped with bar for beverage service.

Chorus Rehearsal Room: Capacity is 200 Persons. Equipped with Chorus Risers and a Piano.

*For spaces used for presentations, presenters are asked to arrive early

Internet Access

Wireless internet access is available for production personnel in the Lobby and Backstage.

Wired Internet is available for production personnel in the concert hall and must be coordinated in advance with facility management.

Pianos / Organ

Stage Pianos:

Steinway (New York/American) Model D 9' Piano
Yamaha C6 7' Piano

Please note that practice pianos cannot be moved to stage level and stage pianos will not be removed from the stage / backstage area.

Herman W. & Amelia H. Lay Family Concert Organ:

Located in the concert hall, this is one of the largest mechanical (tracker) action organs ever built for a symphony hall. The organ was designed and built by C.B. Fisk, Inc. of Gloucester, MA, and it features 4,535 pipes ranging in size from 32 feet long down to the size of a pencil. There are seven divisions played on four manuals (keyboards) and pedal: La Resonance, Great, Positive, Swell, Pedal, Solo, and Pedal Solo. Each manual has 61 notes; the pedal board has 32.

Use of the organ is limited to pre-approved organists only. ABSOLUTLEY NO EXCEPTIONS