

ROBERT M. MERRYMAN PERFORMING ARTS CENTER

TECHNICAL INFORMATION PACKET

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General Information

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Auditorium:

Total Seating Capacity: 760 permanent seats. Up to 40 temporary seats can be added. Wheelchair accessible spaces: 16. Standing room only capacity is 900 individuals.

Orchestra section:

- Seats 490 persons in three sections across.
- Accessible by two side aisles and two interior aisles (all 40" wide at narrowest point)
- Back wall of auditorium is 67'6" from curtain line.
- Auditorium main entrance is located at the center rear.
- Auditorium floor is 3'6" below stage floor at front of orchestra pit.

Balcony:

- Seats 270 persons in three sections across
- Aisles are 3'6" wide
- Balcony is 34'6" horizontally from curtain line.
- Access to balcony is 2 sets of stairs in the rear of the auditorium or the grand stairway from the lobby to the balcony door on the house left side. Balcony is not wheelchair accessible.

Stage:

- Proscenium stage with small recessed covered orchestra pit.
- Stage floor is Masonite over maple painted flat black.
- Access from auditorium to stage is by steps far downstage right and left or by steps at the sides of the orchestra pit. There are removable steps available from the aisles to the orchestra pit.
- Access to dressing rooms, rest rooms and gymnasium is from upstage center.
- Crossover/storage area is behind upstage wall. Clearance Height: 8'6"
- Dimensions: (Be aware that if equipment is planned to fit to close tolerances, designers and/or the technical coordinator must verify all dimensions in the space.)

Proscenium:	Height: 17'4"	Width: 45'3"
Centerline to:	Locking rail (stage left): 37'0"	Wall (stage right): 39'0"
	Exterior loading doors (stage right) 66'0"	
Curtain line to:	Upstage wall: 27'0"	Downstage edge: 11'6"
Plaster line to:	Rear wall of stage: 29'6"	Lip of stage: 9'0"
Upstage Wall:	Total Width: 51'5"	
	SR end to SR wall: 13'6"	SL end to SL locking rail: 10'9"

Orchestra Pit:

- Access to pit is steps at right and left sides leading to auditorium
- Pit floor to stage floor: 7'2". Pit floor to pit ceiling: 6'0". Pit floor to auditorium floor: 4'4".
- Pit extends under stage 3'10".
- Width of pit at center: 7'10". Length of pit 42'4".
- Stage lip to center of pit railing: 4' at center, 1'6" at ends

Orchestra Pit Cover:

- Pit cover is has a steel frame covered with ¾" plywood and masonite, painted black.
- Two narrow steps both stage left and right. Additional steps available from aisles to pit cover.
- Downstage edge of pit cover to stage at center is 3'10" and at sides is 1'8".
- Special Note: The pit cover is removable for performances, but only when all other options have been eliminated. Removal and re-installation is extremely labor intensive.

Orchestra Shell:

- Ceiling sections' leading edges (downstage to upstage) trim at 17'1", 14'8", and 13'3".
- Upstage tower sections are 17'3" high. Side tower sections are 18'3" high.
- Lower panels of side sections are hinged for use as a door. Maximum door width is 5'3".

Choral Risers:

- 5 rolling, folding four step risers
- 2 rolling, folding three step risers
- 6 collapsible three steps risers

Loading Area:

- Stage access is two ground level 8' wide, 10' high overhead doors.
- Hydraulic lift is built into floor inside east door for vehicles 8' wide or less.
- Marshaling area between outside doors and stage is 25'0" to stage and 28'6" wide.
- Access to stage right is by overhead door 9'10" high by 11'10" wide.
- 12' clearance against the building due to low overhanging architecture.

Dressing Rooms:

- Total of 4 dressing rooms for approximately 28 people.
- Located in the hallway through the upstage door.
- Main floor dressing room with shower, toilet, sink, and makeup counter fits about 4 people. Other main floor dressing room with makeup counter fits about 8 people.
- Two upper floor dressings have the same features but are slightly larger.
- These rooms can be locked. MPAC staff and custodians have access keys.

Conference Room:

- Tables, chairs, sink, refrigerator, internet. Space for about 30. Located on the second floor.

Reception Hall:

- Access to the auditorium. Will seat about 150 people at 8 foot round tables or 178 people without tables. Limited kitchen access is available with prior arrangement.
- Monitor speakers provide sound from the auditorium and multiple microphone jacks are available and can be used without requiring use of the mixing console.

Fly System

General Information:

- To be operated only by persons trained in the safe operation of a counterweight fly system.
- Manual single purchase steel counterweight system with 34 linesets.
- Battens are 1.5" ID pipe, 65'-6" long
- High trim: 33'-6". Low trim: 5'-0"
- Locking rail and traveller sheaves are located Stage Left.
- Arbor capacity is 1200 pounds
- Counterweight loading gallery is 26'8" above stage floor.

Lineset Schedule:

Lineset	Purpose	Dist. From Plasterline
0 (DH)	Grand Border	1'-2"
1	Grand Drape	1'-10"
2	Open	2'-6"
3	1 st Electric	3'-2"
4	Orchestra Shell Cloud	4'-6"
5	Open	5'-2"
6	Projection screen	5'-10"
7	Open	6'-6"
8	1 st Border	7'-2"
9	1 st Legs	7'-10"
10	Open	8'-6"
11	2 nd Electric	9'-2"
12	Open	9'-10"
13	Open	10'-6"
14	3 rd Electric	11'-10"
15	Orchestra Shell Cloud	12'-6"
16	2 nd Border	13'-2"
17	2 nd Legs	13'-10"
18	Open	14'-6"
19	4 th Electric	15'-10"
20	Traveller Border	16'-6"
21	Traveller Curtain	17'-2"
22	Open	17'-10"
23	5 th Electric	18'-6"
24	3 rd Border	19'-10"
25	Orchestra Shell Cloud	20'-6"
26	3 rd Legs	21'-2"
27	Open	21'-10"
28	6 th Electric	22'-6"
29	Open	23'-10"
30	Open	24'-6"
31	Open	25'-2"
32	Open	26'-6"
33	4 th Border / Legs	27'-2"
34	Cyclorama	27'-10"
Back Wall		29'-6"

Soft goods:

1 main drape (center split), cherry 26oz. polyester IFR velour, 17' tall, both panels 33' wide
1 main valance, cherry 25oz. cotton velour, 5' x 65'
8 flat legs, black 21oz. cotton velour, 16' x 13'
6 flat legs, black 21oz. polyester IFR velour, 18' x 13'
5 borders, black 21 oz. cotton velour, 60'x6'
1 border, black 21 oz. polyester IFR velour, 58'x6'
1 pleated traveler (center split), black 25 oz. cotton velour, 16' tall, both panels 30' wide
1 flat traveler (center split), black 26oz. polyester IFR velour, 17' tall, both panels 28' wide
1 white muslin cyclorama, 20' x 60'
1 natural muslin cyclorama, 19'6" x 55'
1 front/rear projection screen 12' x 16'

Lighting System

Control:

ETC Expression3 or ETC Ion consoles

ETCNet DMX Nodes are available throughout the stage and house, including all lighting positions.

Dimming:

240 ETC Sensor 2.4 Kilowatt dimmers.

<u>Circuits/Dimmers</u>	<u>Location</u>
1 - 24	FOH / Cove (DeSisti Self-Climbing hoists)
25 - 36	Dead Hung Electric (DS of grand drape)
37 - 44	Balcony rail
45 - 52	House right box boom
53 - 60	House left box boom
61 - 84	1 st Electric (#77 is dedicated to work lights)
85 - 100	2 nd Electric (#88 is dedicated to work lights)
101 - 116	3 rd Electric
117 - 132	4 th Electric
133 - 156	5 th Electric (#144 and #145 are dedicated to work lights)
157 - 180	6 th Electric
181 - 183	DSL wall pocket
184 - 186	DSR wall pocket
187 - 189	Mid SL wall pocket
190 - 192	Mid SR wall pocket
193 - 195	Up Mid SL wall pocket
196 - 198	Up Mid SR wall pocket
199 - 201	USL wall pocket
202 - 204	USR wall pocket
205 - 209	USL rear wall pocket
210 - 214	USC rear wall pocket
215 - 219	USR rear wall pocket
220 - 223	Under Balcony House Lights
224 - 227	House Lights

228	Sconces
229	Proscenium up lights
231	House lights (rear corners)
233, 235	Pendant lights
234, 273, 238	Aisle lights

Dimmers 192, 198, 201, 209, 214, and 219 are normally set to non-dimming status for use with Edison (parallel U-ground) adapters.

FOH Positions:

Balcony Rail is 12' above stage level, 33' from curtain line at center, 32' from curtain line at ends, 42' long

Cove Position is 29' above stage level, 37'-4" from curtain line, 35' long

Box Booms are 15' to 23' above stage level, 44' from curtain line at center, 39' from curtain line at near side sightline

House Lights:

Incandescent, dimmable, can be programmed into the consoles or controlled by Unison system

Instruments & Equipment:

Color frames are available for all instruments.

- 36 - 19° ETC Source Four Ellipsoidals, 750 watts
 - 25 - 26° ETC Source Four Ellipsoidals, 750 watts
 - 25 - 36° ETC Source Four Ellipsoidals, 750 watts
 - 16 - 50° ETC Source Four Ellipsoidals, 750 watts
 - 15 - ETC Source Four Variable focus PARnels, 750 watts
 - 37 - ETC Source Four PARs, 750 watts (33 WFL, 10MFL, 6NSP, 7VNSP, 2 XWFL lenses)
 - 5 - Altman Sky Cyc 3 cell cyc lights, 1000 watts
 - 6 - Altman Spectra Cyc 200 RGBA LED fixtures
 - 2 - Lycian SuperArc 400 watt followspots (with Edison connectors)
 - 4 - Source Four gobo holders (A size)
 - 4 - Source Four gobo holders (B size)
 - 3 - Altman sandwich type gobo holders (B size)
 - 17 - 6.25" x 5" or 3" color extender tubes
 - 59 - Stage pin extension cables, various lengths
 - 13 - Stage pin twofers
 - 8 - Male stage pin to female edison adapters
 - 7 - Female stage pin to male edison adapters
- Various DMX cables
Various AC power cables

Company Power Service:

120/208V 400A, 3 phase. Camlock or lug connections. 2 neutrals. All connectors are female.

120/208V 200A, 3 phase. Camlock or lug connections. All connectors are female.

Both hookups are downstage right. 2 Camlock male turnarounds are available.

Sound System

Theatre Sound System:

- 1 - Yamaha LS9-16 digital console
- 2 - PreSonus Digimax D8 preamplifiers (feed LS9 channels 17-32)
- 1 - Denon DN-C550R CD Recorder
- 1 - Numark MP102 CD player with pitch control and auto-pause
- 1 - Center speaker cluster of 2 JBL 15" loudspeakers and 3 JBL 2385A horns covers balcony
- 4 - QSC KW153 3-way cabinets (2 each side of the stage covers main level)
- 2 - QSC KW181 Subwoofer cabinets (1 each side of the stage)
- 4 - QSC K8 powered speakers (used as front fill for concerts)
- 4 - QSC K10 powered speakers (used as monitors)
- 4 - Electro-Voice SX300 300 watt, 12 inch portable wedge monitor speakers
- 2 - Bag End TA6002 6" full range speakers (mounted as front fill under pit cover steps)
 - Evid Ceiling Speakers are mounted for balcony underfill.
 - NOTE: Microphone inputs 1 and 2 (stage left, stage right, and floor pockets) are live whenever the sound system is on. These inputs bypass the mixing console.

Miscellaneous Equipment:

- 6 - Electro-Voice ND267a cardioid vocal microphones
- 5 - Shure SM58 cardioid vocal microphones
- 2 - Shure SM57 cardioid instrument microphones
- 2 - Shure SM63 dynamic omni-directional microphones
- 3 - Audio-Technica 2020 condensor microphones
- 3 - CAD CM100 cardioid condensor choir microphones
- 4 - AudioTechnica PRO45 cardioid condensor microphones
- 2 - Sabine SW70-H15 wireless handheld microphones (Audix OM5 hypercardioid capsule)
- 6 - SW70-T Sabine wireless beltpack systems
- 3 - Shure SLX wireless systems with beltpacks
- 2 - Shure SLX Beta58 handheld transmitters
- 2 - Shure SLX SM58 handheld transmitters
- 8 - Sennheiser MKE-2 lavalier (lapel) microphones
- 1 - Countryman H6OW5L wireless headset microphone
- 1 - Shure MX153T wireless headset microphone
- 13 - Atlas microphone stands
- 8 - Atlas microphone stand boom arms
- 1 - Podium with microphone and light
- 2 - gooseneck table microphone stands with "push to talk" switch
- 1 - Emtech EJ-10 multiple input type to XLR adapter box
- 9 - Listen Technology Personal Hearing Assistance units for patron use
- 4 - Whirlwind IMP2 direct boxes
- 40 - Microphone cables, various lengths
- 2 - 15' 1/4"-1/4" instrument cables
- 13 - Neutrik NL4M speaker cables, 10' and 25', and couplers

Communication and Monitors:

Wall stations in dressing rooms, loading dock, and box office, gym and TD office.

- 4 CC-95 single muff headsets
- 1 CC-300 single muff headset
- 6 CC-26 lightweight single muff headsets
- 8 single channel RS – 601 belt packs
- 1 dual channel RS – 600 belt pack
- 1 telephone handset