

TECHNICAL SPECIFICATIONS



MEDFORD, OREGON

Revised October, 2022

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CRATERIAN THEATER at
THE COLLIER CENTER
for the Performing Arts

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TRUCK AND BUS PARKING

Loading zone on 8th street can accommodate one 56' trailer plus cab. Additional truck and bus parking will be determined prior to load-in. Parking for 5 (truck/bus type vehicles) can be located near theater during event. Shore Power is located outside loading door. (2) 60 Amp hook-ups are available for bare cable tie in.

LOADING DOCK / ACCESS

Loading access is at street level. There is no loading dock. Loading zone located on corner of 8th street and Central (immediately behind theater.) Loading doors are double bay doors 8'W x 10' H overall and are at curb height. Stage is approximately 3'9" below sidewalk grade. The theater is equipped with a ramp from curb height to stage level that is 24' long x 8' wide.

SMOKING LAWS

Please note that effective January 1st 2002 Oregon's Smoke Free workplace law ORS 433.835-433.990 prohibits the use of any 'smoking device' on stage. This applies to tobacco/nicotine cigarettes, cigars, and pipes. If your production requires the use of these devices they must be herbal in nature and nicotine / tobacco-free.

FIRE REGULATIONS

Any open flame, pyrotechnics, etc. must be pre-approved by the facility and local Fire Marshall. A demonstration in advance may be necessary for approval. All flown scenery must be fire treated in accordance with 1197 uniform fire code section 1103.3.3.

THEATER TECHNICAL SPECIFICATIONS

AUDITORIUM SEATING CAPACITY

Main Floor	529
Balcony	205
TOTAL SEATING	734 (Excluding handicapped seating)

FOH CATWALK DIMENSIONAL INFORMATION

All lighting measurements are from the Center Line at the upstage edge of the Fire Curtain Pocket to 5'6" off of deck. Throw distance is measured from light fixture angle to that point. All booth and mix positions are horizontal measurements. See Catwalk Angles Section drawing at www.craterian.org under tech spec / drawings.

<u>Position</u>	<u>THROW</u>	<u>ANGLE</u>	<u>ELEVATION</u>
1 st Catwalk	26'3"	81°	30'0"
2 nd Catwalk	33'1"	64°	32'0"
3 rd Catwalk	39'2"	51°	32'0"
4 th Catwalk	50'2"	41°	31'6"
Balcony Rail	56'4"	11°	12'9"
Box Boom 1 (lower/upper)	23'5"/30'0"		10'-28' above deck
BB 2 (lower/upper)	28'8"/33'4"		"
BB 3 (lower/upper)	34'0"/38'5"		"
BB 4 (lower/upper)	40'4"/44'0"		"
Followspot booth	75'0"	26°	
Center Booth (front edge)	82'1"		
Light Booth (front edge)	81'9"		
House Left Mix (Row Q)	71'7"		
Center House Mix	54'3"		

STAGE SPECIFICATIONS

STAGE FLOOR – ¼” Stagelam composite (black) over ½” MDO over (2) layers ½” plywood; plywood is over rubber pads 12” on center, no traps.(Any damage to floor incurred by production requirements must be restored.)

STAGE HEIGHT TO AUDITORIUM FLOOR	32”
GRID HEIGHT	49’8”
PROSCENIUM HEIGHT (at center)	22’6”
PROSCENIUM WIDTH	33’4”
GALLERY HEIGHTS	
Upper loading gallery (SR)	40’7”
Middle loading gallery/Pin Rail (SR)	26’9”
Pin Rail (SL)	30’5”
Upstage crossover / Pin rail	33’0”
DEPTH OF STAGE	31’0”
(US edge Fire Curtain Pocket {F.C.P.} to back wall)	
WIDTH OF STAGE	82’2”
(Fly-rail SR to Ramp SL)	
STAGE LEFT	(Center to RAMP SL) 52’0”
	(Center to Height obstruction 14’9) 26’2”
	(14’9”H clearance to Ramp SL) 25’10”
	(Onstage edge Prosc. to Ramp SL) 35’5”
STAGE RIGHT	(Center to fly rail SR) 30’2”
	(Center to stairwell USR) 25’7”
	(Onstage edge Prosc. to Fly SR) 13’5”

(Please note stage obstructions: Stairwell USR next to fly rail, loading ramp stage left. Ramp can be used to store some road cases during show for additional off stage space.)

ORCHESTRA PIT / STAGE APRON

The height of the stage apron extension is adjusted by (4) GALA Spiralifts. The apron extension also functions as the orchestra pit floor and, as such, can be lowered to any height (the bottom stop, 9’6” below deck, is at the dressing room floor level). Two sets of stairs are available at center.

DS edge of (F.C.P.) to DS edge of Apron	12’1”
DS edge of (F.C.P.) to pit line	2’8”
Pit Line to DS edge of Apron (at center)	9’4”
US edge of pit width SR to SL	36’11”

RIGGING SPECIFICATIONS

(37) Single Purchase T-Track counterweight sets. Battens are 1-1/2" Schedule 40 pipe with (5) picks each.

GRID HEIGHT	49'8"
HIGH PIPE TRIM	48'4"
LOW PIPE TRIM (Except designated Electric pipes)	4'0"
ELECTRIC PIPES LOW TRIM	5'0"
LENGTH OF BATTEN	48'0"
MAX WEIGHT PER ARBOR	1100lbs (Evenly distributed per pipe)
TOTAL COUNTER WEIGHT AVAILABLE	≈24,000lbs

RIGGING/FLY OBSTACLES

There are 3 permanent orchestra concert ceilings dead hung at 7'9", 16'3", and 24'9" from US edge of proscenium. The concert ceiling panels take up ≈10" of fly space. The bottoms of these ceilings trim out at 30'0"

LINESET SCHEDULE

Line #	Position	House Hang	Show Hang	Weight	Out Trim
SC	0-7"	Fire Curtain	DOES NOT MOVE		
HC	1'5"	House Curtain	DOES NOT MOVE		
1	2'1"	Show Border A			
2	2'9"	Spare Set			
3	3'3"	Electric 1			
4	4'1"	Spare Set			
5	4'9"	Flown Sidefill Monitors			
6	5'5"	Border 1			
7	6'1"	Legs 1			
8	6'9"	Spare Set			
9	7'5"	Electric 2			
	7'9" - 8'5"	DS Acoustic Ceiling			30'0"
10	9'1"	Spare Set (projector)			
11	9'9"	Spare Set			
12	10'5"	Spare Set (projector)			
13	11'1"	Border 2			
14	11'9"	Legs 2			
15	12'5"	Spare Set			
16	13'1"	Electric 3			
17	13'9"	Spare Set			
18	14'5"	Spare Set			
19	15'1"	Black Traveler Curtain	DOES NOT MOVE		
20	15'11"	Spare Set			
	16'3" - 16'11"	Center Acoustic Ceiling			30'0"
21	17'8"	Border 3			
22	18'5"	Legs 3			
23	19'0"	Spare Set			
24	19'8"	Electric 4			
25	20'4"	Spare Set			
26	21'0"	Spare Set			
27	21'8"	Flown Sidefill Monitors			
28	22'4"	Border 4			
29	23'0"	Legs 4			
30	23'8"	Spare Set			
31	24'4"	Spare Set			
	24'9" - 25'5"	US Acoustic Ceiling			30'0"
32	26'8"	Electric 5			
33	27'4"	Spare Set			
34	28'0"	Spare Set (Legs 5 for cyc masking)			
35	28'8"	Spare Set			
36	29'4"	Cyc (Out trim 20'3")			
37	30'0"	Black Out			

SOFT GOODS INVENTORY

All drapes are flat with no fullness except Main and Traveller.

QTY	DESCRIPTION	SIZE (W x H)
1	Dark Green House Curtain (see below for more details)	26' x 24' (2)
4	Black Velour Borders	47' x 10'
1	Black Velour Border	47' x 15'
4	Pairs Black Velour Legs	12' x 26'
2	Black Velour Tabs (Dead hung SR & SL, occasionally flown as Legs 5)	12' x 26'
1	Black Velour Traveler (Split at center)	26' x 24' (2)
1	Black Velour Back Drop	48' x 28'
1	Black Sharks tooth Scrim	46' x 25'
1	White Seamless Muslin Cyc	47' x 25'

HOUSE CURTAIN IS MANUAL. It is operated deck level from SR for both guillotine and traveling. It is dark green with a center split and hangs 1'5" US edge of proscenium.

FIRE SAFETY CURTAIN POCKET is located at the US edge of proscenium. As mandated by fire and building codes this 7" pocket must be kept clear during production run. All fire and safety codes are strictly enforced by the theater.

LIGHTING/ELECTRICAL

LIGHTING SYSTEM

Console: ETC Ion w/40 channel fader wing & double monitors, keyboard, & mouse

B/U Console: Leprecon LPX-24 ML board with monitor, keyboard, and mouse, or ETC Express 72/144 w/monitor & RFU

Dimmers: (3) ETC Sensor SR48 Racks, comprised of D20 modules at 2.4kW.
20A Dimmers 208
20A House Light Dimmers 32

***NOTE: All house fixtures are lamped with HPL550 77 volt lamps and used with the ETC dimmer doubling system.**

Cable Path: Center booth position from back SL is approximately 198'

POWER DISTRIBUTION

- (1) 400 amp, 3 phase company switch with open lugs located off SL on proscenium wall.
- (1) 200 amp, 3 phase company switch with open lugs located off SL on proscenium wall.
- (1) 200 amp, 3 phase switch with open lugs located off SR on proscenium wall. (House sound is also hard wired to this panel)

LIGHTING INVENTORY

- (51) ETC Source 4 Ellipsoidal @ 19 degrees
- (55) ETC Source 4 Ellipsoidal @ 26 degrees
- (55) ETC Source 4 Ellipsoidal @ 36 degrees
- (18) ETC Source 4 Ellipsoidal @ 50 degrees
- (4) ETC Source 4 Ellipsoidal @ 70 degrees
- (60) ETC PARs each w/ VN, N, M, & W Flood lenses
- (15) Elation Sixpar 300 LED color changing wash fixtures w/barndoors
- (14) Colorsource Cyc LED color changing wash fixtures
- (2) High End Studio Spots CMY 575 with 30° lenses

LIGHTING HARDWARE

- (5) S4 10° Lens tube
- (8) 10' Boom Pipes
- (8) Boom bases 50 lbs.
- (15) S4 Par Barn doors
- (16) Floor mounts for fixtures
- (31) S4 Pattern Holders "A" Size
- (35) S4 Pattern Holders "B" Size
- (42) S4 Donuts
- (7) S4 Drop-in Iris

FOLLOWSPOTS

- (2) Robert Juliat Topaze 1119 Followspots located rear of house left and right balcony level with MSD 1200 lamps.

SOUND AND COMMUNICATION SYSTEMS

HOUSE CONSOLE(s):

Soundcraft Vi4 (upgraded to Vi400)

96 ch, 32 bus (aux, grp, mtrx), 24 input fader control surface, Vi6 stage rack with 64 inputs, 24 line out, various AES I/O, based on Studer Vistonics.

Soundcraft Vi1, 32 channel digital console with 64 channel Madi Card for expansion off of Vi Stage rack, using Studer Vista technology (Usually deployed as booth console for talking head, podium mic applications) Paired with:

(1) Tascam CD-01U Pro CD Player

MONITOR CONSOLE:

Yamaha Pm5D RH, 48 channels with 24 aux sends, 8 matrices, redundant power supplies.

Depending on the needs of the show the Soundcraft Vi1 may be deployed as a monitor console.

FRONT OF HOUSE RACK EQUIPPED WITH:

(1) Tascam CD-01U Pro CD Player

(1) Local Rack & breakout for Vi400

(1) Mac Mini for digital playback & recording, speaker & wireless management

(2) RME Madiface USB optical 64ch audio interface

MONITOR RACK EQUIPPED WITH:

(2) Power Supplies for PM5D RH

(4) QSC Powerlight 1.8 amplifiers)

SPEAKER CONFIGURATION

The Left and Right Mains consist of (6) Meyer JM1-P (3 per side) flown in a fixed position at upper corners of proscenium yielding 60 degree x 60 degree coverage from both arrays.

Front Fill is provided via (2) Meyers UPA-1P speakers (1 per side) placed on the stage decking just in front of the proscenium and oriented with the speaker on axis with the center of the first row.

Sub Bass is provided by (2) Meyers 700HP subwoofer cabinets placed on auditorium floor directly in front of the stage apron and adjacent to the auditorium wall, one on either side of the stage.

Stage Monitors consist of (10) EAW LA 212 Monitor boxes, (4) JF 100's and (1) PA5X140 Hot Spot. Additionally the house has (4) Meyer UPA1-P speakers that are usually flown in stereo pairs from line sets 5 & 27 for a full stage side fill wash.

Mix position (for most events) located Row Q, House Left, Main level of the theater, approx. 70' from the stage, Cable path from SR is approx 106'. (In some concert settings, killing 18 seats can create a Center House Mix position. This position is approx. 55' from stage with a cable run of 100'. Arrangements to use center position must be made well in advance of ticket sales.)

MICROPHONES

- | | |
|---|--|
| (7) Shure SM 57 dynamic microphone | (5) Crown PCC 160 Boundary microphone |
| (6) Shure SM 58 dynamic vocal microphone | (8) SM 81's condenser microphone |
| (4) Shure SM 58 dynamic vocal microphone w/switch | (2) AKG 414B -XLS multi-pattern condenser microphone |
| (2) Shure Beta 87A super cardioid condenser microphone | (10) DPA 2011-C cardioid condenser microphone |
| (1) Shure Beta 52 super cardioid dynamic drum microphone | (8) Rapco passive DI box |
| (1) Shure Beta 91 condenser boundary microphone | (2) BSS 133AR-133 active DI box |
| (4) Shure Beta 98 mini condenser microphone w/percussion goosenecks | (2) Countryman active DI box |
| (12) Shure UR2 handheld transmitter with Beta 58 capsule | (12) Shure UR1m belt pack transmitter |
| (2) Shure SM58 capsules for Shure UR2 handheld transmitter | (12) Shure UR1 belt pack transmitter |
| (32) DPA 4061 lavalier microphone in Beige (2 are HD) | (5) DPA 4066 over ear Omni headset microphone |
| (2) DPA 4061 lavalier microphone in Brown | (4) Shure WA302 - ¼" to TA4F adaptor |
| (4) DPA 4061 lavalier microphone in Black (2 are HD) | (2) Shure WA304 - 90deg ¼" to TA4F adaptor |

SOUND ACCESSORIES

- | | |
|---|---|
| (15) K&M tall tripod stands with booms | (10) round base strait mic stands |
| (15) K&M Short tripod stands with booms | (9) K&M quick grip round base mic stands |
| (8) miscellaneous boom arms | (2) Short round base mic stands with boom |
| (3) Table top mic stands with boom | |

BACKLINE

- | | |
|--|---|
| (1) Yamaha C7 Piano, 7 ½ foot (Black) | (1) Fender Twin Reverb Guitar Amplifier |
| (1) Petrof Upright Piano (Black) | (1) Roland JC120 Amplifier |
| (1) Yamaha Motif XS8 w/sus pedal | (1) Ampeg SVT Classic Bass Head |
| (1) Yamaha Motif ES8 w/sus pedal | (1) Ampeg SVT 410LF 4x10" Bass Cabinet |
| (1) Yamaha FC 7 control pedal | (8) Guitar Stands |
| (1) Yamaha FC 4 control pedal | (2) Boss TU-3 Chromatic Tuner Pedal |
| (1) Yamaha FC 9 control pedal | |
| (1) Double tier X-style keyboard stand | (1) single tier X-style keyboard stand |

ADDITIONAL STAGE EQUIPMENT

- (1) 10’ fiberglass ladder
- (2) 8’ Ladders
- (1) 6’ Ladder
- (110) Orchestra chairs (pink)
- (180) Orchestra chairs(Grey)
- (10) 4’x 8’ Wenger Adjustable Risers
- (4) 4’x 4’ Wenger Adjustable Risers
- (2) Epsom Model H610A Projectors w/short throw & long throw lenses (each)
- (36) Wenger Music Stands
- (39) corded Music Stand Lights
- (13) wireless LED music stand lights (10 are rechargeable)
- (1) Conductor Podium with railing
- (1) Sound Craft Lectern (Dark Grey)
- (15) Wenger Legacy Acoustical Shell Wall Units
- (1) JLG Model 20DVL Drive-able Vertical Lift. Working height of 26’0’’*

COMMUNICATIONS

The theater has:

(13) RS-501 Clear Com packs	(7) CC-300 Clear Com headsets
(10) Clear-Com Freespeak FSII-BP-19 wireless packs	(3) CC-95 Clear Com headsets
(2) RS-601 Clear Com packs	(2) Classic Clear Com Double Muff headsets
(1) RS-701 Clear Com pack	(1) Classic Clear Com (single muff) headset
(1) RS-502 2 ch. Clear Com 2 channel pack	(1) Telephone style Clear Com handset

Building is hardwired with 4 ch. of Clear Com hookups & coverage for wireless com system at all appropriate technical locations.

BACKSTAGE PAGING SYSTEM

Facility is equipped with a backstage monitor and paging system that feeds the dressing rooms, booths, backstage, and upstairs studio. The announcement station for paging is located downstage left. A mobile announcement/paging station can be made available in tech booth.

PERFORMER FACILITIES

All performer facilities are below stage level and are accessible from stage left and right stairwells, and by pedestrian elevator.

- (2) Company dressing rooms, each with restroom facilities (10-14 people each)
- (2) Star Dressing rooms, each with shower and restroom facilities (1-2 people each)
 - * Studio (located upstairs) Overflow dressing rooms or production office
 - * Green room
 - * Storage room, (accesses orchestra pit) Please note this room is used for storage of orchestra shell, grand piano, and riser cart & other venue equipment.

CRATERIAN PERFORMANCES CONTACT SHEET

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