

# TECHNICAL SPECIFICATIONS



**MEDFORD, OREGON**

**Revised September, 2012**

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## **CRATERIAN PERFORMANCES**

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### **DRIVING DIRECTIONS**

#### **From the South:**

Depart I-5 on Exit 27  
Turn LEFT (West) onto (E) Barnett Road for 0.6 miles  
Turn RIGHT (North) onto South Riverside Avenue for 0.9 miles  
Turn LEFT (West) onto East Main Street for 0.1 miles  
Turn LEFT (South) onto South Central Avenue  
Theater is on LEFT

#### **From the North:**

Depart I-5 Southbound Exit 30  
Turn RIGHT (South West) onto Crater Lake Highway for 0.4 miles  
Follow signs to City Center  
Road turns to the left and becomes Court Street for 0.6 miles  
Court Street becomes North Central Avenue; stay on Central for 0.8 miles  
Theater is on LEFT after you cross Main Street

### **SMOKING LAWS**

Please note that effective January 1<sup>st</sup> 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
<b>TOTAL SEATING</b>	<b>734 (Excluding handicapped seating)</b>

## LOADING DOCK / ACCESS

Loading access is at street level. There is no loading dock. Loading zone located on corner of 8<sup>th</sup> 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.

## TRUCK AND BUS PARKING

Loading zone on 8<sup>th</sup> 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.

## FOH 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](http://www.craterian.org) under tech spec / drawings.

<u>Position</u>	<u>THROW</u>	<u>ANGLE</u>	<u>ELEVATION</u>
1 <sup>st</sup> Catwalk	26'3"	81°	30'0"
2 <sup>nd</sup> Catwalk	33'1"	64°	32'0"
3 <sup>rd</sup> Catwalk	39'2"	51°	32'0"
4 <sup>th</sup> 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 (US edge Fire Curtain Pocket {F.C.P.} to back wall)	31’0”
WIDTH OF STAGE (Fly-rail SR to Ramp SL)	82’2”
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

## **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"	Spare Set			
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			
11	9'9"	Spare Set			
12	10'5"	Spare Set			
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"	Spare Set			
28	22'4"	Border 4			
29	23'0"	Legs 4			
30	23'8"	Scrim Pipe (not hung)			
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			
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)	12' x 26'
1	Black Velour Traveller (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 Express 72/144 w/ single monitor (1) RFU

**ML Console** Leprecon LPX-24 ML board with monitor, keyboard, and mouse.

**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

- (46) ETC Source 4 Ellipsoidal @ 19 degrees
- (64) ETC Source 4 Ellipsoidal @ 26 degrees
- (54) ETC Source 4 Ellipsoidal @ 36 degrees
- (14) ETC Source 4 Ellipsoidal @ 50 degrees
- (4) ETC Source 4 Ellipsoidal @ 70 degrees
- (80) ETC PARs each w/ VN, N, M, & W Flood lenses
- (6) 4 cell / 4 circuit Broad Cycs

### LIGHTING HARDWARE

- (3) S4 10° Lens tube
- (4) S4 70° Lens tube
- (8) 10' Boom Pipes
- (8) Boom bases 50 lbs.
- (15) S4 Barn doors
- (16) Floor mounts for fixtures
- (31) S4 Pattern Holders "A" Size
- (35) S4 Pattern Holders "B" Size
- (7) S4 Drop-in Iris
- (42) S4 Donuts
- (2) 18° Standard Studio Spot Lenses

### 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 Console**, “The Soundcraft Vi4 offers access to 72 inputs on 24 faders, with a total of 35 output busses available for use as masters, groups, auxes or matrices. All other features of the Soundcraft Vi6, such as the highly acclaimed Vistonics™ II touch-screen user interface, Soundcraft FaderGlow™ fader function display and the unequalled audio quality are inherited by the Soundcraft Vi4.” For more information see: <http://tinyurl.com/VICraterianspec>

FOH rack includes the Vi Local Rack with breakout box (16 line in/16 lineout)

Also includes: (2) Tascam CD-01U Pro CD Players

**Allen & Heath GL2200**, 24 channel with 4 audio groups, 6 Aux sends, 2 Stereo Input channels, 2 Stereo Returns, 4 Band EQ plus HPF. (Used as a booth set-up in a talking head configuration only.)

### **MONITOR CONSOLE:**

**Allen & Heath GL4000**, 40 channels with 8 audio groups, 10 Aux sends, 11 x 4 Matrix, Left Right & Mono busses, 4 Band EQ plus HPF, 4 stereo returns.

### **MONITOR RACK(S) EQUIPPED WITH:**

(5) Ashly GQX 3102 Stereo Third Octave Graphic Equalizer (10 mixes available)

(1) DBX 1046 Quad Compressor/Limiter

(2) DBX 1066 Compressor/Limiter/Gate

(1) DBX 1074 Quad Noise Gate

(1) Yamaha SPX 990 Multi Effect Processor

(2) Yamaha SPX 2000 Multi Effect Processor

(4) QSC Powerlight 1.8 Amps

(1) RPS 11 Power Supply for the GL4000

## **SPEAKER CONFIGURATION**

**The Left and Right Mains** consist of (6) Meyer JM1-P's permanently flown (3) left and (3) right directly in front of the proscenium. For information on the JM1-P's:

[http://www.meyersound.com/pdf/products/jm\\_series/jm-1p\\_oi.pdf](http://www.meyersound.com/pdf/products/jm_series/jm-1p_oi.pdf) The system is self powered with management from a Galileo 408. For information on the Galileo 408 see the Meyer Sound Website:

[http://www.meyersound.com/products/processor\\_drive\\_systems/galileo/408/](http://www.meyersound.com/products/processor_drive_systems/galileo/408/)

**The Subs** consist of (2) 700hp Meyer Subs located on floor level, (1) per side

**Stage Monitors** consist of (10) EAW LA 212 Monitor boxes, (2) JF 100's and (2) PA5X140 Hot Spots

**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'.

## **MICROPHONES**

*All microphones below are Shure brand unless noted*

(8) SM 57's	(2) Beta 87A	(4) Beta 98's w/clips
(6) SM 58's	(1) Beta 52	(10) SM 81's Condenser
(2) SM58's with switch	(1) Beta 91	(5) Crown PCC's
(2) AKG 414B -XLS		
(12) Shure UR4D Series Wireless Systems including: (12) UR2/Beta58, (12) UR1m		
(4) WH20TQG dynamic headset mics, (1) WCM16 headset condenser mic, and		
(6) DPA Microphone, Miniature, Omni, Lo-Sens, Beige 4061-FM		
(6) DPA Microphone, Miniature, Headworn, Omni, Beige 4066-F		

## **SOUND ACCESSORIES**

(14) Tall Mic stands w/ round bases*	(3) Table top stands
(6) Clutch Mic stands w/ round base	(2) BSS Audio AR-133 Active DI boxes
(6) Short tripod stands*	(8) Rapco DB-100 DI Boxes
(11) Tall Tripod stands*	(2) Countryman DI Boxes
(2) Short Mic stands w/round bases*	(1) Symetrix 606 Delay F/X Machine

**\*35 Boom arms available for microphone stands**

## **COMMUNICATIONS**

The theater has (10) single muff & (2) double muff Clear Com headsets with 11 wired belt-packs. Building is hardwired with Clear Com hookups 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 control station for paging is located downstage left.

## **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, Marley cart, and riser cart.

## **ADDITIONAL STAGE EQUIPMENT**

(2) 8' Ladders

(1) 6' Ladder

(110) Orchestra chairs (pink)

(100) Orchestra chairs (black)

(1) 7 ½' Yamaha C7 (Black)

(10) 4'x 8' Wenger Adjustable Risers

(15) Wenger Legacy Acoustical Shell Wall Units

(1) JLG Model 20DVL Drive-able Vertical Lift. Working height of 26'0" (\*All manufacturers requirements will be adhered to when using the lift. Craterian personnel only.)

(34) Wenger Music Stands

(39) Music Stand Lights

(1) Conductor Podium with railing

(1) Sound Craft Lectern (Dark Grey)

(4) 4'x 4' Wenger Adjustable Risers

**CRATERIAN PERFORMANCES CONTACT SHEET**  
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