

TECHNICAL SPECIFICATIONS



MEDFORD, OREGON

Revised October, 2010

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CRATERIAN GINGER ROGERS THEATER

23 South Central Avenue
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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 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)

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.

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.

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 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 (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 (Out trim 18'4")			
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 Cys
- (2) High End Studio Spots CMY 575 with 30° lenses

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):

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.

Allen & Heath GL2200, 24 channel with 4 audio groups, 6 Aux sends, 2 Stereo Input channels, 2 Stereo Returns, 4 Band EQ plus HPF.

MONITOR CONSOLE:

Allen & Heath GL3000, 40 channels with 8 audio groups, 8 Aux sends, 12 x 2 Matrix, 4 Band EQ plus HPF.

FRONT OF HOUSE RACK EQUIPPED WITH:

- (1) Ashly GQX 3102 Stereo Third Octave Graphic Equalizer
- (1) Ashly MQX 2310 Stereo Third Octave Graphic Equalizer
- (2) DBX 1046 Quad Compressor/Limiter
- (2) DBX 1066 Compressor/Limiter/Gate
- (1) DBX 1074 Quad Noise Gate
- (1) Aphex 105 Logic Assisted Gate (4 chan.)
- (1) Aphex 106 Easyrider 4 chan. Auto. Compressor
- (1) Yamaha SPX 990 Multi Effect Processor
- (2) Yamaha SPX 2000 Multi Effect Processor
- (1) Lexicon LXP-15II Digital Effects Processor
- (2) Tascam CD-01U Pro CD Players
- (1) RPS 11 Power Supply for the GL4000

MONITOR RACK EQUIPPED WITH:

- (3) Ashly GQX 3102 Stereo Third Octave Graphic Equalizer
- (1) RPS 9 Power Supply for the GL 3300

SPEAKER CONFIGURATION

The house is equipped with stereo left and right mains, center cluster, balcony fill system, and under balcony fill system.

The Left and Right Mains consist of (4) EAW KF650's permanently flown (2) left and (2) right directly in front of the apron. (4) EAW SB600 Subs are on floor level (2) per side. The 650's are powered by QSC Powerlight Amps and use an Ashly Protea 24 bit digital crossover. See Front of house rack for additional outboard gear.

The Subs consist of (4) EAW SB600's located on floor level, 2 per side

The Center Cluster consists of (1) JBL 4646B Subwoofer, (2) JBL 4646A Mids, and (2) JBL 2447J Horns Powered by QSC USA Series amps. The center cluster has a RANE PE15 Parametric Equalizer controlled in the Sound booth and a RANE AD 22B delay unit.

The Balcony Fill system consists of (2) EAW JF60 speakers splitting center. Powered by QSC USA series amps and EQ'd by a RANE PE15.

The Under Balcony Fill system consists of (4) EAW JF50 speakers. Powered by QSC USA series amps and EQ'd by a RANE PE15.

Stage Monitors consist of (10) EAW LA 212 Monitor boxes, (4) 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'. (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

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		
(12) DPA miniature omni-directional 4061 body mics		

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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