

Aratani Japan America Theatre Technical Specifications



STAGE DIMENSIONS

Proscenium Arch	48' w x 22.5' h
Stage Depth (from plaster line to back wall)	36.5'
Apron Depth (from plaster line to stage front)	5'
Curved Orchestra Pit (with hydraulic lift):	
at widest point	47'
at stage	41'
depth at center	10.5'
depth at sides	5'
Centerline to fly rail stage right	
at plaster line	34.5'
at 30' upstage of plaster line	14'
Centerline to wall stage left	
at plaster line`	43'
at 30' upstage of plaster line	18.5'
Side thrusts: Please refer to masking plan	
Distance from spot booth to plaster line	76'
Distance from balcony rail to plaster line	51'
Distance from projection booth to movie screen	83.5'
Distance from balcony rail to movie screen	55'
Out trim of pipes	47.5'
Stage floor to grid	50.5'

Stage floor: 2 layers of 3/4" plywood on rubber springs surfaced with 1/4" tempered masonite, flat black finish.

Loading access: Enter on San Pedro St. between 2nd and 3rd St.

NOTE: No loading dock; access is at street level. No parking allowed behind the theatre. Parking available in adjacent lots.

Loading doors:

Loading area to shop	16'w x 15' h
Shop to stage	16'w x 16.5' h

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RIGGING and SOFT GOODS

Note: All pipes are manually operated single counterweight lines.

33 line sets (13 empty spare lines) 1.5" pipe

Pipes taper from 60' downstage to 15' upstage

3 - hardwire electrical raceways

1- adjustable black velour framed portal and header

2 - sets 24' h x 12' w black velour legs

1 - set 24' h x 12' w black velour side masking

3 - black velour borders: 10'h x 60'w; 10'h x 36'w; 10'h x 24'w

1 - 24'h x 30'w black velour panel (upstage black)

1 - 28'h x 30'w white filled scrim (flat cyc)

1 - 28'h x 68'w white filled scrim (wrap around cyc)

1 - 24'h x 60'w black velour (wrap around black)

1 - 18'h x 43'w movie screen with masking

1 - Traditional Japanese Doncho (Golden Silk with Peacock motif)

1 - Traditional Western Main Curtain: (Red Velour 100% fullness)

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LIGHTING

ETC Express 48/96 Light Board with remote focus unit.

176 *Strand Century CD 80* Dimmers 2.4K each (dimmer per circuit)

8 *Strand Century CD 80* Dimmers 6.0K each (dimmer per circuit)

NOTE: 6.0K circuits have limited access, used primarily for cyc.

Over Stage Lighting:

1st Electric:

3 Washes of 4 6x9 ellipsoidal spotlights (43 degrees) each.

3 High Side Washes of 1 6x12 ellipsoidal spotlight (31 degrees), and
1 6x9 ellipsoidal spotlight (43 degrees) each.

2 Backlight Washes of 4 Par 64 Wides each.

6 Specials 6x12 ellipsoidal spotlights (31 degrees) each.

1 Special 6x9 ellipsoidal spotlight (43 degrees).

2nd Electric:

3 Washes of 3 6x9 ellipsoidal spotlights (43 degrees) each.

3 High Side Washes of 1 6x12 ellipsoidal spotlight (31 degrees), and
1 6x9 ellipsoidal spotlight (43 degrees) each.

2 Backlight Washes of 4 Par 64 Wides each.

2 Specials 6x9 ellipsoidal spotlights (43 degrees) each.

1 Special 6x12 ellipsoidal spotlight (31 degrees).

3rd Electric:

2 Backlight Washes of 4 Par 64 Wides each.

5 Specials 6x12 ellipsoidal spotlights (31 degrees) each.

2 Specials 6x9 ellipsoidal spotlights (43 degrees) each.

Cyc Lights:

5 Laniro 4 Color Far Cyc Light Units.

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Front of House Lighting:

Anti Proscenium:

- 2 Specials 6x9 ellipsoidal spotlights (43 degrees) each.
- 5 Specials 6x12 ellipsoidal spotlights (31 degrees) each.

1st Beam:

- 3 Washes of 5 6x16 ellipsoidal spotlights (23 degrees) each.
- 5 Specials 6x12 ellipsoidal spotlights (31 degrees) each.
- 2 Specials 6x16 ellipsoidal spotlights (23 degrees) each.

2nd Beam:

- 3 Washes of 4 6x16 ellipsoidal spotlights (23 degrees) each.
- 2 Side Stage Specials 6x16 ellipsoidal spotlights (23 degrees) for each side stage.
- 5 Specials 6x12 ellipsoidal spotlights (31 degrees) each.

Balcony Rail:

- 1 Curtain Wash of 5 6x12 ellipsoidal spotlights (31 degrees) each.
- 2 Specials 6x12 ellipsoidal spotlights (31 degrees) each.

Box Booms:

- 3 Stage Washes of 2 6x12 ellipsoidal spotlights (31 degrees) each.
- 3 Pit Washes of 2 6x12 ellipsoidal spotlights (31 degrees) each.
- 1 Special 6x16 ellipsoidal spotlight (23 degrees).

Side Light Package:

- 12 - 6 x 9 Altman ellipsoidal spotlights (750 watts) and
- 12 - 6 x 12 Altman ellipsoidal spotlights (750 watts).
- 8 Pipe and base.

Follow Spots:

- 2 Strong 575HI Follow Spots (575 watts) located in the Projection Booth.

NOTE: HOUSE EQUIPMENT USES 20 AMP 125V (L5-20) TWISTLOCK CONNECTORS.

Accessories: twist lock cables, twofers, side arms, top hats, 10' pipes and bases, color frames, pattern holders.

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ELECTRIC POWER SUPPLIES

400 amp 3 phase “company switch” located stage left. (120/208 volt, 4 wire).

60-amp 120/208 volt “TV” switch located outside loading area.

15-amp 208-volt outlet located either side of balcony walls.

30-amp 125 volt 3 pin outlet located in booth.

30-amp 208 volt 4 pin, 3 phase outlet located in booth.

There is no 120/240V single phase in the Theatre, and no 220V in the Theatre.

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BACKSTAGE

Stage Level:

20' x 35' Workshop/Loading area off Stage Left.

Green Room (Performers' Lounge) - upstage left with sink and restroom.

2 "Star" Dressing Rooms – accessible from Green Room:

2 chairs, 2 mirrors with makeup lights, and private bathroom with shower in each.

Basement Level:

4 "Chorus" Dressing Rooms

15 chairs, mirrors with makeup lights, and 1 wardrobe rack in each.

Men's and Women's restrooms and showers (3 stalls each).

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STAGE PROPS

- 1 Lectern
- 1 Kawai 9' Concert Grand Piano / GS-100 Soundboard
- 24 Music Stands with music stand lights
- 24 Black Orchestra Chairs
- 12 4ft x 8ft Risers 4 of each: 8 inch tall, 16 inch tall, and 24 inch tall
- 6 Choral Risers
- 1 Rosco Dance Floor: Black/Grey
- 24 Shosa Butai Platforms 3' x 12' x 5"h (Japanese wooden dance floor)
- 4 Shosa Butai Platforms 3' x 9' x 5"h (Japanese wooden dance floor)
- 1 Hanamichi Runway Platform and Toya for Stage Right Side Stage
- 1 Joshikimaku Curtain
- 1 Matsubame drop - 40.5' w x 29'h
- 4 Takubame flats with Rainbow curtain.
- 1 Matsu (Pine Tree)
- 1 Mt. Fuji drop
- 2 Mt. Fuji flats
- 1 Town drop
- 1 Wysteria (Purple Flowers)
- 1 20' Red Mosen
- 2 Gold Colored Byobu

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PROJECTORS

- 2 Kodak **Ektagraphic III-B** Slide Projectors with **Ektagraphic** Zoom Lens 100mm to 150mm, f/3.5, and **AVL FX-2** Programmable Dissolve Unit.
- 2 35mm Film Projectors with 1:85, 1:33, and Cinascope lens available.
located in projection booth above balcony center. (83.5 feet from Movie Screen).
- 1 Sanyo Multi-media Projector **PLC-XF40** (7700 ANSI Lumens) with Sanyo Lens LNS-S03
located in the projection booth above balcony center (83.5 feet from Movie Screen).
- 1 Sanyo Multi-media Projector **PLC-XP30** (3000 ANSI Lumens)
located in the balcony. (45 feet from side stage walls).

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AUDIO

The audio control booth is located above the Balcony House Right with a sliding window whose maximum open dimension is 5'6" x 3'4".

The equipment listed on this page is hardwired and not movable:

MIXING CONSOLE: ALLEN & HEATH GL2200-432

<http://www.allen-heath.com>
29 mono, 2 stereo, 4 groups, 6 aux, 2 stereo returns,
L, R, Mono Sum
Channel direct outs
2-track send and return
4-band EQ with swept mids and in/out switch
Input metering on each channel
Pink noise generator for speaker setup
Oscillator for equipment line up
Phantom Power 48V, switchable on each channel
Inserts on all mono inputs
Talkback facility

JAT ASSIGNMENTS:

MAIN SPEAKERS-

MONITORS 1&2-

CONTROL BOOTH FEED

LOBBY FEED

REVERB SEND

HOUSE VIDEO

(1) Sony MDR-V6 Dynamic Stereo Headphones (BOOTH ONLY)

CENTER CLUSTER

AMPLIFIERS: (1) High - Technics SE-A7
60 watts RMS @ 8 ohms, 2 channel
(3) Mid - 2 same as above & 1 Ramsa WP-9210
(1) Low - Ramsa WP-9210
200 watt RMS @ 8 ohms, 2 channel

CROSSOVER: Ramsa WZ-9400 Monaural, 3 way frequency dividing network
with selected crossover points

EQUALIZERS: White Series 4200
1/3 octave, non-adjustable
For use ONLY with monaural central speaker cluster

SPEAKERS: High - Ramsa WS-703
Mid - Ramsa WS-705 with WS711 horn
Low - ElectroVoice EVM-18B

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AUDIO (Continued)

SPEAKERS:	Type	Model	Qty
Mains:	Yamaha S-4115 H11	250 watts @ 8 ohms	4
Monitors:	Ramsa WS-A200	250 watts @ 8 ohms	2
	Yamaha S-3208 H	250 watts @ 8 ohms	2
	Ramsa WS-A80	160 watts @ 8 ohms	4
Mini's	Yamaha S-20X	150 watts @6 ohms	2
	Ramsa WS-A10K	160 watts @ 6 ohms	6

AMPLIFIERS:	Type	Model	Qty
Yamaha	PC 2002		2
		Stereo, 8 ohms 240W+240W (RMS)	
		Mono, 16 ohms 480W (RMS)	
Yamaha	PC 1002		1
		Stereo, 8 ohms 100W+100W (RMS)	
		Stereo, 4 ohms 150W+150W (RMS)	
		Mono, 16 ohms 200W (RMS)	
Ramsa	WP-9220		2
		8 ohms 200W+200W (RMS)	
		4 ohms 300W+300W (RMS)	
Ramsa	WP-9055		1
		8 ohms 50W+50W (RMS)	
		Bridge 16 ohms 100W (RMS)	

MICROPHONES:	Type	Model	Qty
Dynamic	Shure SM-58		6
	Shure SM-57		6
	Ramsa 2156X Omnidirectional		4
Condenser	Ramsa WM-8150	Cardioid	7
	Ramsa WM-8150S	Omnidirectional	2
	Ramsa WM-8600N	Cardioid, Variable	1
Specialty	Sennheise MD402-U	Super Cardioid	2
	Realistic PZM		2

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MICROPHONE STANDS:	Type	Model	Qty
	Table Stands	Ramsa	5
	Boom Stand	Atlas	6
	Short Boom	Atlas	1
	Straight Stands	Ramsa	5
	Gooseneck	Atlas GN-19 (E) 19" Long, Ebony	2
	Floor mount	Electro 411 "Mic Mouse"	4
CASSETTE PLAYER:	Tascam 302 Double auto-reverse cassette recorder		1
CD PLAYER:	Denon DN-C635 CD Player		1
EFFECTS PROCESSER:	TC Electronics M-350		1
EQ PROCESSER:	Yamaha Q-2031 1/3 Octave, 31 band 2 Channel		1
MULTICABLE:	Whirlwind: 32 sends x 4 returns all XLR, To Booth, Whirlwind: 12 sends x 3 returns all XLR 200 ft. Whirlwind : 16 sends x4 returns all XLR 100 ft.		
HEADSET COMMUNICATIONS:	<u>RTS 2 Channel Production Communications System</u>		
	RTS 325 2Channel Beltpack and headset		5
	Box Office Telephone Handset Permanent		1
	Lighting Control Booth-Permanent		1
	Sound Control Booth-Permanent		1
BACKSTAGE MONITORS:	Backstage, Booth, and Box Office		
VIDEO MONITORS:	Video Stage Monitor Camera permanently mounted In balcony rail. Monitors in Lobby, Green Room, Basement hallway, Stage Right, Stage Left, and the Shop.		

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	<u>Type</u> <u>Model</u>	<u>Qty</u>
AUDIO	<i>Ramsa WS-AQ124</i> Lean-back stand for WS-A200/A80	4
ACCESSORIES:	<i>Ramsa ZE-02801</i> Speaker eyebolts for WS-A200/A80	8
	<i>Ramsa Thumbscrew (M8X25)</i>	4
	<i>Ramsa W2-SA15A</i> Mic Stand Adaptor for WS-A10-K	2
	<i>Ramsa</i> Speaker Brackets for 1" inch stand	4
	Round Base Speakers Stands for Ramsa Brackets	4
	<i>Yamaha BFS-250</i> Foldback adaptor for S3208H	4
	<i>Yamaha BMS-10</i> Mic Stand Adaptor for S-20X	4
	<i>Whirlwind DIRECTOR</i> Direct Box	4
	<i>Whirlwind IMP 2</i> Direct Box	1
	<i>Whirlwind Dual</i> Direct Box	2
PORTABLE MIXERS:	<i>Yamaha MC 1204</i>	1
	<u>12 Input Channels</u>	
	1-4,5-8,9-12 Phantom Power Switch	
	Group Out (1-4)	
	Stereo Out (L, R)	
	<i>Yamaha EMX 640</i>	1
	<u>6 Input Channels</u>	
	1-4 (Hi-Z, Lo-Z-Phantom Power)	
	5-6 (Mic-No Phantom Power/Stereo Line)	
	Stereo Power Amp Out: 200W/4 ohms	
	Bridge: 400W/8 ohms	
TRANSLATION SYSTEM:	Sony 3 channel, wireless, simultaneous translation system	
	1 channel directed from mixing consol to Transmitter.	
	SX-1310 A/B Transmitter	
	SX-2600 Receiver (100 units available).	