

JEROME ROBBINS THEATRE TECHNICAL SPECIFICATIONS

The Jerome Robbins Theater is an intimate 238 seats proscenium style venue with a flat floor stage, central orchestra seating riser and a small balcony.

STAGE DIMENSIONS:

Dimensions of the open stage:

Width wall to wall: 42'-6" [12m95cm]

Please note that there is no additional wing space.

Width between higher galleries: 33' [10m05cm]

Stage depth to upstage wall: 28'-3" [8m61cm]

Stage height relative to auditorium floor: 0'-0" [0m00cm]

Crossover: N/A, minimal cross over space can be created upstage if an upstage drop is in place.

Stage access: The main entrance is downstage left, there is a second entrance upstage left.

There is no entrance on stage right.

SEATING:

Orchestra: 187 seats in 11 rows with 17 seats per row

The Orchestra Riser is built on a gradual rake from 0'-0"-13'-9" F.F. [0m00cm-4m19cm]

Balcony: 51 seats in 3 rows with 17 seats per row

The front row of the balcony is located at 18'-9" [5m71cm] from 0'-0" [0m00cm].

TOTAL SEAT COUNT WITHOUT FRONT OF HOUSE SOUND MIXING POSITION: 238

A front of house mixing position can be created in various dimensions by taking out sections of rows E, F, G (=rows 5, 6, 7).

With the full width of the mix position removed (12'-0") [3m66cm], the losses are 18 seats if two rows are removed and 27 seats if three rows are removed.

For a half width (6'-0") [1m83cm] mixing position, the losses are ten seats if two rows are removed and 15 seats if three rows are removed.

Attachment A: JRT Seating Chart.xls = Seating Chart with ten seats removed for FOH mixing position

LOAD-IN AREA / ACCESS WAYS:

All scenery and equipment can only be loaded in and out through the Main Doors on W 37th Street between 9th and 10th Ave.

There is no loading dock.

There is a 7'-9" [2m35cm] deep breezeway between the outer and inner lobby door.

Both doorways are 6'-0" w x 9'-9" h [1m82cm x 2m96cm].

The Jerome Robbins Theater Stage is located on the third floor.

All items have to be brought up in a passenger elevator with a maximum loading capacity of 2,500lbs [1135kg].

The elevator frame is 3'-5" w x 7'-6" h [1m03cm x 2m29cm].

The elevator cab is 5'-8" w x 5'-2" d x 7'-11" h [1m72cm x 1m57cm x 2m40cm].

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Alternatively, there is a line shaft hoist that can be used to bring tall and flat scenic elements up through the open atrium.

The hoist load capacity is 2,000lbs [907kg] with a distributed load capacity of 100lb [45kg] per linear foot over the length of the truss and a maximum point load of 500lb [227kg] (maximum two locations over the length of the truss).

Adequate floor and wall protection is mandatory during load in, load out and during all major work calls.

STAGE FLOOR:

The stage deck is a double layer of $\frac{3}{4}$ " [19mm] plywood with $\frac{1}{4}$ " [6.35mm] tempered hardboard.

The surface is painted black

Lagging must be reviewed by the BAC Production office on a case-by-case basis.

An "L'Air" portable sprung floor systems as well as a black vinyl dance floor (40'w x 28'd) are available for dance. The typical sprung floor area will be 40' wide x 28' deep [12m19cmx8m53cm]. No screwing or fastening of any type is permitted into the dance floor.

RIGGING:

The fully motorized rigging system consists of 16 line sets.

Three I-Beams span from the upstage wall 46'-10" to end just upstage of the first row of balcony seating.

These support trolley mounted I-Beams with motorized hoists that allow the line sets to be placed in various positions. Line sets cannot be closer together than 19" on center. Line sets #13-16 cannot be moved due to architectural constraints.

Working heights of battens: The maximum out trim is 27'-7" [8m40cm].

The low trim is 4'-0" [1m21cm] off the deck.

Battens & truss:

Line set #1: (1) – 33' x 18" x 12" [10m05cm x 45cm x 30cm] ballroom box truss.

Line sets #2-16: (15) – 30' [9m14cm] battens, 1-1/2" [38mm] diameter schedule 40 pipe, 24" [60cm] batten extensions for either side of the batten.

Extensions must be installed with the batten at trim and removed before lowering the batten.

4 lift lines per batten.

Line Set capacity: 1200lbs

All hoists run at fixed speed of 20 feet per minute. Up to 5 hoists may be moved at any one time. One programmable preset position is available per hoist.

Additional power for temporary Rigging: 208V, 100A company switch located on gallery level stage right

Attachment B: JRT House Line Plot



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SUPPORT AREAS:

Shop area: N/A

Storage area: Please note that the entire building has extremely limited storage capability. Please plan accordingly and discuss any storage needs with the BAC Production Office.

LIGHTING:

Dimmers:

264 @ 2.4kw

Type: Sensor SR 48+ D20E Dual 20A dimmer modules

Control Console:

ETC ION 2000

2048 Outputs / Parameters, 10,000 Control Channels, 10,000 Cues

One 2x20 Universal Fader Wing

Two Elo Entuitive 5000 Series 19" LCD display screens

House lights can be controlled via touch screen panels from DS left and the control booth. The console can take control of the house light dimmers as well.

Equipment Inventory:

Equipment in repertory plot:	Spare equipment:
12 Source 4 Par WFL, lamp: HPL 575W	6 Source 4 Par, full lens set, lamp: HPL 575W
8 Source 4 19° Ellipsoidal, lamp: HPL 575W	8 Source 4 19° Ellipsoidal, lamp: HPL 575W
8 Source 4 26° Ellipsoidal, lamp: HPL 575W	10 Source 4 26° Ellipsoidal, lamp: HPL 575W
16 Source 4 36° Ellipsoidal, lamp: HPL 575W	18 Source 4 36° Ellipsoidal, lamp: HPL 575W
30 Source 4 50° Ellipsoidal, lamp: HPL 575W	50 Source 4 50° Ellipsoidal, lamp: HPL 575W
6 Mini strip, low voltage, 3 circuit, 75" long, lamp: EYC 75 w	
21 Altman Sky Cyc (cat # FC-1)	
7 Three cell yokes	
	20 Robert Juliat Lutin 306 series, Lutin with three lenses (Fresnel, Pebble & PC) and holders, lamp: 750w tungsten halogen
	2 Arri ST2 2000W Studio Fresnel
	2 Robert Juliat "Alex" 2000W Tungsten 7°/14° Zoom Follow spot
12 Wybron CXI IT (7.5in.) color changers	1 Wybron CXI IT (7.5in.) color changer
12 Sea Changer CYM/Dimmer Wheel, 4-channel DMX (SEA-DM)	1 Sea Changer CYM/Dimmer Wheel, 4-channel DMX (SEA-DM)
	26 26° lens tubes
	10 36° lens tubes



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Hardware & Accessories:

- 12 Barn door for S4 Par
- 2 Barn door for Arri 2K Fresnel
- 12 10" barn doors for color changer
- 3 Drop in Iris for S4 Ellipsoidal
- 30 "A" size pattern holder for S4 Ellipsoidal
- 10 "B" size pattern holder for S4 Ellipsoidal
- 10 Color extender for S4 Ellipsoidal
- 70 Short half hat for S4 Ellipsoidal
- 40 Half hat for S4 Ellipsoidal
- 20 4-leaf rotating barn door for RJ Lutin 306
- 20 Altman 18" side arm with single tee
- 20 Altman 24" side arm with single tee
- 10 Altman 8 lb round floor base for single fixture
- 12 25 lbs film / video sandbag filled, black

Cable:

*Please note that a lot of this cable is used as part of the permanent JRT set up.
Contact the BAC Production Office to discuss spare cable needs other than stage pin.*

Enet Cable

<u>Qty</u>	<u>Length</u>
2	100'-0"
4	50'-0"
20	25'-0"

4-Pin Scroller cable for CXI Color Changers

10	10'
8	10'
2	50'
2	50'

5 pin DMX Cable

6	100'-0"
4	50'-0"
20	25'-0"
20	10'-0"
30	5'-0"

Multi Cable

2	50'-0"	6 circuit multi
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20	35'-0"	6 circuit multi
20	25'-0"	6 circuit multi

Stage Pin Cables

10	75'-0"
20	50'-0"
20	15'-0"
30	10'-0"
40	5'-0"

Fan-outs/Fan-ins

25	Multi to stage pin female
15	Multi to stage pin male

Breakouts

15	Multi to stage pin female
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Additional power for temporary Lighting: 208V, 400A company switch located on gallery level stage left

COMMUNICATIONS / ASSISTED LISTENING:

Hearing Assist System:

- 1 Listen LS82 System
- 4 Listen LR44 Lanyard Receivers
- 4 Listen LR42 Stethoscope Receivers
- 2 Audio Technica AT4021 Cardoid Condenser

Paging System:

The following zones can be addressed: Lobbies, back stage (=dressing rooms), office & All Page (= all these zones at once).

Paging Mic panels are located in the usher room (FOH), backstage left, and in the control booth.

Production Communications:

- 1 Clear com MS702 Main Station
- 5 Clear com RS602 Wired belt packs, 2-channel
- 1 Clear com Cellcom 10 Wireless transmitter
- 5 Clear com Cellcom 10 Wireless belt packs, 2-channel
- 5 Clear com CC95 headsets
- 5 Clear com CC26 headsets

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AUDIO:

Power: 120V, 1 Phase 3x20A in feed, isolated ground

Control Locations:

The booth is located at the rear of the balcony.

Alternatively a front of house mixing position can be created in various dimensions by taking out sections of rows E, F, G (5, 6, 7).

Console:

The LS9-32 console has 32 analog inputs, 16 mixes, and 8 matrices. There are 16 analog outputs, and 32 Ether Sound outputs (w/ (1) MY16-64ES card carrying 16 outs, and (1) MY16-EX card carrying another 16). In its house configuration, the LS9-32 Console uses 8 mixes (requiring 8 Ether Sound channels), leaving the following available: 8 mixes, 8 matrices, and 24 Ether Sound channels.

These are the 8 existing house console mixes:

1. LEFT
2. RIGHT
3. CENTER
4. SUBS
5. LEFT SURR
6. RIGHT SURR
7. LEFT REAR
8. RIGHT REAR

DME:

There are (3) Yamaha DME64 Digital Signal Processors with 32 Ether Sound input channels and 32 analog Inputs. There are a total of 48 directly wired speaker outputs. These speaker outputs directly correspond to 48 speaker plate locations throughout the theater.

The JRT house system PA uses 8 Ether Sound input channels (from the LS9-32), and 8 analog inputs. The system can be used in various combinations, including purely analog, purely Ether Sound, or a combination of both. This configuration leaves the following available: 24 available Ether Sound channels, 8 analog inputs from the console, and 16 analog inputs (from tie lines in the booth and DSL).

The JRT house system PA uses 27 DME outputs. These are individual outputs wired directly to speaker plates throughout the theater. The system allows for a total of 21 spare outputs from the DMEs.



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Speakers:

JRT PA system speakers:

Location:	Speaker type:
Under balcony fill (3) and in lounge behind orchestra riser (4)	(7) Meyer MM4-XP Output power 220W
Side wall surround speakers (10), rear channel speakers (4)	(14) Meyer UPM-1P Output power 350W
Box truss on line set #1: Left, center, right mains clusters	(6) Meyer UPA-1P Output power 550W
SL & SR shelf level	(2) Meyer 600HP Subwoofer, Output power: 2250W

Portable Speakers:

- 2 Meyer UPA-1P, output power 550W (no yokes available)
- 4 Meyer UPM-1P, output power 350W (no yokes available)

Microphones:

Wireless:

- 4 Shure handheld transmitters
- 4 Shure SM58 capsules
- 2 Shure KSM-9 capsules
- 4 Shure body pack transmitters
- 2 Countryman B3 black lavalier, theatrical sensitivity
- 2 Countryman B3 flesh lavalier, theatrical sensitivity

Wired:

- 2 Shure SM58
- 2 Shure Beta58
- 4 Shure SM57

Microphone Stands:

- 1 Boom stand with tripod legs
- 4 Flexible boom/straight stands with tripod legs
- 3 Straight stands with round base

Cable:

- 1 24x4 150' Whirlwind multi pin snake
 - 1 32x8 Digital Snake, Cobra Net
- XLR in lengths of: 5', 10', 15', 20', 25', 50', 74', 100'. Please inquire for specific quantities.



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Misc:

4 Whirlwind Hot Box

Additional power for temporary Audio equipment: 208V, 200A isolated ground company switch located on gallery level stage right.

Attachment C: Faceplates layout & locations

DRAPERIES:

Purpose:	# Of Pieces:	Dimensions:	Style / Color / Fullness:
House main Curtain Bi-parting traveler	2	27'-4"h x 19'-6"w	100% fullness, type: #8 Prestige, black
House Valance	1	7'-0"h x 36'-0"w	No fullness, type: #8 Prestige, black
Borders	5	6'-0"h x 30'-0"w	No fullness, type: #8 Prestige, black
Legs	8	24'-0"h x 8'-4"w	No fullness, type: #8 Prestige, black
Bi-parting traveler (upstage or mid stage)	2	24'-6"h x 17'-0"w	No fullness, #8 Prestige Black
Black Scrim	1	23'-6"h x 31'-0"w	FR sharks tooth black
White Scrim	1	23'-6"h x 31'-0"w	FR sharks tooth white
Cyclorama, Front and rear projection screen	1	23'-6"h x 31'-0"w	Gerriets Opera grey blue
Bounce	1	23'-6"h x 31'-0"w	FR Muslin white

Purpose:	# Of Pieces:	Dimensions:	Style / Color / Fullness:
Stage level wall masking	10	12'-0"h x 7'-6"w	No fullness, type: #8 Prestige, black
SR Under Shelf Masking	4	11'-5"h x 4'-5"w	Type: #8 Prestige, black
SL Under Shelf Masking	4	11'-8.25"h x 4'-5"w	Type: #8 Prestige
SR Shelf Masking	4	8'-5"h x 4'-5"w	Type: #8 Prestige
SL Shelf Masking	4	8'-5"h x 4'-5"w	Type: #8 Prestige
SR Gallery Masking	4	7'-1.5"h x 4'-5"w	Type: #8 Prestige
SL Gallery Masking	4	6'-1"h x 3'-5"w	Type: #8 Prestige



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WARDROBE & DRESSING ROOMS:

The Jerome Robbins Theater has two dressing rooms.

The larger dressing room (17' x 21') [5m18cmx6m40cm] on the balcony level at the stage left side is also equipped with a washer and dryer and doubles as the wardrobe room during daytime hours. A steamer, iron and ironing board are available.

The second dressing room (12' x 13') [3m66cmx3m96cm] is located on stage level, directly off stage left.

Both dressing rooms have a shower and an adjacent restroom with sink.

BAC PRODUCTION OFFICE CONTACT INFORMATION AND MAILING ADDRESS:

Baryshnikov Arts Center

Jerome Robbins Theater

450 W 37th Street

Floor 3B

New York, NY, 10018

Pamela Rapp

Production Manager

Direct: 646.731.3204

E-mail: pamela@bacnyc.org

Steven Battaglia

Technical Director

Direct: 646.731.3223

E-mail: sbattaglia@bacnyc.org