



# Nesbitt-Elliott Playhouse Theater Technical Information

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Mesa Arts Center

7/25/2023

**Mesa Arts Center**  
**Nesbitt-Elliott Playhouse Theater Technical Information Packet**  
1 East Main Street, Mesa, AZ 85201

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**General Information**

**Technical Services:**

Director of Production  
Mike Johnson  
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E: [mike.johnson@mesaartscenter.com](mailto:mike.johnson@mesaartscenter.com)

**Production Supervisor:** (Primary Advancing Contact)

Earl Fornter  
P: (480) 644-6550  
E: [earl.fornter@mesaartscenter.com](mailto:earl.fornter@mesaartscenter.com)

**Technical Director:**

Troy Buckey  
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E: [troy.buckey@mesaartscenter.com](mailto:troy.buckey@mesaartscenter.com)

**Programming:**

Director of Theater  
Randy Vogel  
P: (480) 644-6603  
E: [randall.vogel@mesaartscenter.com](mailto:randall.vogel@mesaartscenter.com)

**Rental Contact:**

Jaime Kenney  
P: (480) 644-6580  
E: [jaim.kenney@mesaartscenter.com](mailto:jaim.kenney@mesaartscenter.com)

**Box Office:**

Andrew Douglas  
P: (480) 644-6507  
E: [andrew.douglas@mesaartscenter.com](mailto:andrew.douglas@mesaartscenter.com)

**Area Hotels:**

**Delta Marriott Mesa**  
200 North Centennial Way  
Mesa, AZ 85201  
P: (480) 898-8300

**The Azure Hotel**  
651 East Main Street  
Mesa, AZ 85201  
P: (480) 621-6375

**Holiday Inn & Suites**  
1600 S Country Club Drive  
Mesa, AZ 85210  
P: (480) 964 - 7000

**Hyatt Place Mesa**  
1422 West Bass Pro Drive  
Mesa, AZ 85201  
P: (480) 969-8200

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## **Management**

### **Green Room:**

Green room is located center of the backstage hallway. There is a small patio off the green room that is shared with the Studio Theatre.

### **Policies:**

- Lobby typically opens 1 hour prior to curtain with house opening 30 minutes prior to curtain.
- The Fire Curtain must not be obstructed in any manner which could prevent its complete contact with the stage floor when deployed.
- All scenery, drops, fabric and wood must be flame proofed. Random testing of articles will occur.
- As per the Fire Marshal, all doors in the facility are fire rated fire doors and must be able to close completely and form a tight, air-proof seal.
- Maximum stage occupancy (blank stage) is 167 personnel including performers and support personnel.

## **Load-In Area**

### **Load-In Access to Stage:**

- Two loading docks at stage level.
- Dock can accommodate 1 53' trailer (tractors have to detach), and 1 box truck simultaneously
- Driver must remain to move truck if necessary.
- Loading dock doors 10'W x 10'H
- Interior stage door is 8'11" W x 12' H
- Cargo must be ramped off or lifted off trucks. Loading Doors are at street level.
- There is no forklift on site
- Trucks and trailers must be moved to south surface lot
- Post-show storage is NOT available at the Mesa Arts Center. All items must leave at load-out. The Mesa Arts Center is not responsible for any items left behind.

### **Directions:**

1. From Phoenix take Loop 202 East.
2. Exit Country Club Drive and head south to Main St.
3. Turn Left (East) on Main St. and travel a half mile until you come to Sirrine/Centennial Way
4. Turn Right (South) on Sirrine/Centennial Way
5. Take your first right into the service drive behind the Sunrise Bank. Follow the drive as it curves to the left. Park on the left, Performer entrance is on the right at the glass doors.

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**Carpentry**

**Seating:**

House Capacity – 200

<b>Orchestra Section</b>
176 Fixed
20 Loose Chairs
4 Wheelchair

**Stage Dimensions:**

Proscenium width: 30'

Proscenium height: 18'

SL Locking Rail to SR wall: 68'

Stage Left wing: 18'

Stage Right wing 20'

Plaster line to back wall: 31' 4"

Plaster line to last line set (37): 30'9"

Control Room to Plaster Line: 42'

House Mix Position to Plaster Line: 42'

Gridiron: 51'

**Stage Floor**

- 1" Maple Hardwood, painted black
- Lagging into MAC floors is allowed, but should all hardware must be Grade 5 or higher. Client will be responsible for all costs incurred to the MAC in the repair of the holes.
- No Traps are available

**Non-Use Areas**

- As per the Fire Marshall, floor areas blocked off in red floor paint must never be obstructed.

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**House Draperies (Goods):**

<b>Drapery</b>	<b>Quantity</b>	<b>Size</b>	<b>Fullness</b>	<b>Fabric</b>	<b>Lining</b>	<b>Color</b>	<b>Notes</b>
Main Border	1	44' x 8'	75% Sewn In	25 oz Velour	Black Ranger	Maroon	Nap Up
Main Drape	2	24' x 20'	75% Sewn In	25 oz Velour	Black Ranger	Maroon	Nap Up
Border	3	44' x 8'	None	22 oz Synth Velour	None	Black	Nap Down
Border	2	44' x 4'	None	25 oz Velour	None	Black	Nap Down
Leg	8	10' x 24'	None	22 oz Synth Velour	None	Black	Nap Down
Leg	2	9' x 20'	None	25 oz Velour	None	Black	Nap Down
Full Stage Black	2	24' x 24'	None	20 oz Velour	None	Black	Nap Down
Cyclorama	1	44' x 24'	None	Lino	None	White	Seamless
Black Scrim	1	44' x 24'	None	Sharktooth	None	Black	
Tabs	6	8' x 20'	None	25 oz Velour	None	Black	Nap Down
Z-Tech Border	35	10' 3'	None	Heat Stop	None	Black	Shared
Z-Tech Border	10	4' x 10'	None	Heat Stop	None	Black	Shared

**Line Set Data:**

**Working Height of Battens:**

- Linesets 1 through 11 High Trim: 42' 10"
- Linesets 12 through 37 High Trim 46' 9"
- Low Trim: 3'

**Battens:** 37 Battens, 44' Long, Schedule 40

**Type:** Single Purchase

**Arbor Capacity:** Varies.

**Available Weight:** Located Stage Left Mid-Rail and Stage Left Loading Rail

**Loading Galleries:** 2 Located Stage Left at 27' and 47' above stage floor

**Pin Rail:** Located Stage Left at 3' 6"

**Side Ladders:** There are 4 sets of ladders that are on tracks on either side of stage. 24' from center line. These ladders do fly.

**Side Tab Curtains:** There are 6 side curtains, 3 on each side. 26' from center line. These side tabs do fly.



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**House Line Set Plot:**

LINE SET	FROM PROSC.	DESCRIPTION
SLT	0'6"	STAGE LEFT TABS
MT	1'	MAIN TEASER
1	1' 6"	DO NOT USE, Hangs Up on Drapes
MD	2'	MAIN DRAPE
2	2' 6"	DO NOT USE, Hangs Up on Drapes
3	3'	LEGS
4	3' 6"	
5	4'	1st Electric
6	4' 6"	
7	5'	RP SCREEN
8	5' 6"	
9	6'	
10	6' 6"	
11	7'	
SLL	8' 3"	STAGE LEFT LADDERS
12	9'	
13	9' 9"	BORDER
14	10' 6"	LEGS
15	11' 3"	2nd Electric
16	12'	
17	12' 9"	
18	13' 6"	
SRL	14' 3"	STAGE RIGHT LADDERS
19	15' 9"	
20	16' 6"	Full Stage Black (2 panels)
21	17' 3"	
22	18'	BORDER
23	18' 9"	LEGS
24	19' 6"	3rd Electric
25	20' 3"	
26	21'	
SRT	21' 9"	STAGE RIGHT TAB BATTEN
27	23' 3"	BORDER
28	24'	LEGS
29	24' 9"	BLACK SCRIM
30	25' 6"	
31	26' 3"	4 <sup>th</sup> Electric
32	27'	
33	27' 9"	
34	28' 6"	
35	29' 3"	BORDER + SPARE
36	30'	LEGS
37	30' 9"	CYCLORAMA

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**Support Areas:**

**Crossover:**

There is no dedicated crossover onstage. Closest crossover is the Upstage Hallway with Access to Stage Right and Stage Left

**Access:**

From Front of House: Hallway Stage Right to Upstage Hallway

From Dressing Rooms: Dressing Rooms are located on the 2<sup>nd</sup> floor Upstage Hallway, accessible via stairway in the Upstage Left Hallway.

**Storage:**

There is no dedicated storage space for events. Events may store equipment in loading dock and in purple painted areas in the Ikeda hallway during their stay. Storage is not available before or after the show. All items must leave at load-out.

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**Lighting**

**Power:**

Quantity	Voltage	Phase	Amperage	Location	Connection
1	120/208	3 Phase	400a	Stage Right Wall	Cam
1	120/208	3 Phase	200a	Stage Right Wall	Cam
1	120/208	3 Phase	200a	Stage Right Mid Rail	Cam
2	120/208	3 Phase	100a	FOH Catwalk	Cam
1	120/208	3 Phase	100a	Gridiron	Cam

**Control:**

- ETC Ion with 2x20 Fader Wing
- 5000 Channel Capability
- 6144 Outputs
- ETC Net 3 Radio Focus Remote
- ETCNET 2 Throughout Venue

**Dimmers:**

- 178 ETC Sensor Dimmers, 2.4kW dimmer
- 24 ETC Sensor Dimmers, 2.4 kW dimmer (Starting Address 226)
- 24 ETC SmartBar Dimmers, 1.2 kW dimmer (Starting Address 250)
- 1 ETC Sensor Dimmers, 6kw dimmer

**Circuits:**

- 178 - 2.4kw circuits. Fixed Positions on Stage Right and Stage Left catwalks with socopex multicable connections. See Attachment for specific locations
- 24 – 1.2kw circuits. Provides 12 circuits to S.L. Ladders, and 12 circuits to S.R. Ladders via socopex.
- 24 – 2.4kw circuits. Provides 6 circuits to Proscenium Electric, 6 to 3<sup>rd</sup> Electric, 6 to 4<sup>th</sup> Electric, and 6 Spare.
- There is no front of house transfer

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### Circuit Locations:

Location	Dimmers	House Plot Location
FOH Catwalk	1 – 21	FOH Catwalk, 21 on Proscenium Elec
House Right Catwalk	22 – 27	House Right Catwalk
House Left Catwalk	28 – 33	House Left Catwalk
Above Proscenium Dead Hung	34 – 45	Above Proscenium Dead Hung
Grid (Up Stage Center)	52	Grid (Up Stage Center)
Stage Left Gallery	53 – 88 6 Soco Connections	2 <sup>nd</sup> and 4 <sup>th</sup> Electrics
Stage Right Gallery	89 – 130 7 Soco Connections	1 <sup>st</sup> and 3 <sup>rd</sup> Electrics
Stage Right Gallery	226-250 24 ch. Dimmer rack	Proscenium, 3 <sup>rd</sup> Electric, 4 <sup>th</sup> Electric
Down Stage Right Wall (Stage level)	140, 141	Down Stage Right Wall (Stage level)
Down Stage Left Wall (Stage level)	142, 143	Down Stage Left Wall (Stage level)
Up Stage Right Wall (Stage level)	177	Up Stage Right Wall (Stage level)
Up Stage Left Wall (Stage level)	178	Up Stage Left Wall (Stage level)
Stage Right Floor (Floor Pockets)	144 – 152	Stage Right Floor (Floor Pockets)
Stage Left Floor (Floor Pockets)	153 – 161	Stage Left Floor (Floor Pockets)
Up Stage Floor (Floor Pockets)	162 – 176	Up Stage Floor (Floor Pockets)
Down Stage Floor (Floor Pockets)	131 – 139	Down Stage Floor (Floor Pockets)
House Right Torm (in Proscenium)	46 – 48	HR Torm, 46 on Proscenium Elec
House Left Torm (in Proscenium)	49 – 51	HL Torm, 49 on Proscenium Elec
House Lights	182 – 192	House Lights
SL and SR Ladders	250 -273 6 Ch SmartBars	SL and SR Ladders

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**Equipment Inventory:**

**Stage Instrument Inventory:**

Quantity	Brand	Type	Wattage	Frame
20	ETC Source 4	19 Degree	575wt	6.25" X 6.25"
10	ETC Source 4	26 Degree	575wt	6.25" X 6.25"
60	ETC Source 4	36 Degree	575wt	6.25" X 6.25"
40	ETC Source 4	50 Degree	575wt	6.25" X 6.25"
48	ETC Fresnel	7" Fresnel	575wt	7.5" X 7.5"
10	Prolights	ECLCYC 100	330W	
6	L&E	3 Cell Cyc	1kw	9.5" x 11.5"
5	Ground Strip	6 Cell	1kw	10" x 13.5"
2	Mega-Lite Follow Spot	Drama FS LED 900	490W	

**Stage Instrument Accessories:**

Quantity	Item
143	Source 4 Gel Frame
28	Source 4 Fresnel Gel Frame
59	Source 4 Size B Gobo Holder
2	Portable DMX Output Node
6	Floor Bases for Stage Instruments
8	12' Schedule 40 Boom Pipes with Floor Bases

**Cable Inventory:** (NOTE: Most of the multi-pin cable is in use as part of the house lighting plot)

Quantity	Item
20	5' 12/3 Stage Pin Power Cable
30	10' 12/3 Stage Pin Power Cable
20	20' 12/3 Stage Pin Power Cable
30	Stage Pin Two-Fer
15	15' 6-Circuit Multi-Pin Power Cable
12	30' 6-Circuit Multi-Pin Power Cable
17	100' 6-Circuit Multi-Pin Power Cable
4	6-Circuit Multi-Pin Power Cable Stage Pin Break In
22	15' 6-Circuit Multi-Pin Power Cable Stage Pin Break Out
20	25' 14/3 Edison Power Cable
20	50' 14/3 Edison Power Cable
12	Power Strip

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**House Lighting Plot Description**

- The Playhouse Theater house lighting plot is capable of up to 4 different top color washes on stage.
- A two-color high side wash is available from the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> over stage (S4's)
- 3 fixtures are also available on each electric for overhead specials
- 2 separate washes are possible from FOH using 20 Source Four 19 degree fixtures.
- High Sides from FOH also available.
- Cyclorama wash units are LED with red, green, blue and white emitters.
- Please speak to the MAC Assistant Technical Director to request a plot or for more information
- Lighting ladders have 12 S4 36 degree each side of stage with single circuits from separate dimmer packs located on each ladder.
- **NOTE: Not all fixtures may be available because they are being used on house plot**

**Extra equipment available** (Subject to availability)

- 4 High End Systems AF1000 Dataflash Strobe.
- 2 Atomic 3000 Strobe.
- Ultratec FX Radiance Haze Generator (Mounted on S.R. Midrail with a fan)
- Rosco 1700 Smoke Generator.
- Ultratec LSG PFI-9D Low Fog Generator (additional equipment needed from outside vendor)
- Martin Jem Glaciator Dynamic Low-Lying Fog Machine
- Rosco Vapour Plus Fog Machine

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**Audio**

**Power:**

Quantity	Voltage	Phase	Amperage	Location	Connection
1	120/208	3 Phase	400a	Stage Right Wall	Cam
2	120/208	3 Phase	200a	Stage Right Wall	Cam

**Control Location:**

Located center in the control booth. Windows can be opened. Approximately 40' from plaster line.

**Hearing Assist System:**

Infrared hearing assist system is available to patrons via the house management staff.

**Paging System:**

Paging System to the US Hallway, Upstairs Dressing Room Hallway and Dressing Rooms. Paging locations are located DSR, DSL and in the Lighting Control Booth.

Video Feed of the stage can be fed to DSL, DSR, USR, Control booth, and Greenroom.

**Production Communication:**

2 Channel Clear-Com Production Communication System

- 8 single channel Clear-Com RS701 beltpacks
- 1 Clear-Com KB-502 Speaker Station
- 9 Single Ear Clear-Com Headsets

**Equipment Inventory:**

**Front of House Mixing Consoles:**

- Behringer X32

**Processing Gear:**

- 1 Tascam MD-CD1 CD Player/Mini Disc Player (independent playback, and auto pause feature)
- 1 Denon CDR-W1500CD Player/ CD-R dual deck. (combined output, no auto pause feature)
- 1 Furman PL-plus Series Power conditioner

**Speaker System: Tannoy P.A. package**

- 2 Tannoy V15 Full range cabinets (1 per side)
- 2 Crown Macro-Tech 1202 amps. (1 channel to each V15, 1 spare amp for passive monitors)
- 2 Tannoy B475 Subwoofers (1 per side, parallel off of an aux send)
- 1 Crown Macro-Tech 2402 amp. (1 channel to each sub)
- 2 Channels of Monitor Amplification

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- 2 Yamaha CM-15V Stage Monitors
- 2 Renkus Heinz SR8 Stage Monitors

### Microphones:

#	Make/Model	Type
4	Shure SM 58	Dynamic Cardioid Vocal
4	Shure SM 57	Dynamic Cardioid Instrument
4	Sennheiser E-614	Condenser Cardioid Instrumental
1	AKG D112	Dynamic Cardioid
4	Crown PCC 160	Condenser Unidirectional Boundary
2	Audio Technica U853R	Condenser Cardioid Choir mic
8	DOD 265	Direct input box
1	PG-48	Dynamic Cardioid Vocal Switched
2 Ch.	Shure Axient Wireless	2 Channels of wireless mics with handheld or lavalier transmitters

### Cable:

Quantity	Item
20	10' XLR
40	25' XLR
6	50' XLR
2	100' XLR
3	12 channel XLR Snake
2	LTI Laptop Audio Interface
2	Male XLR to TT
2	Female XLR to TT
4	25' NL2 (for passive monitors)
4	50' NL2 (for passive monitors)
2	8 Ch XLR Snake
4	6' ¼" Instrument Cables
1	25' ¼" Instrument Cables



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## **Video**

### **Projector:**

- Panasonic PT-VZ570, 4,800 lumen WUXGA Projector
  - Inputs: HDMI, VGA

### **Projection Screen:**

- 120" W x 90" H 4:3 DaLite Rear Projection Screen. Screen is hung from Flyrail and typically lives at 5' Upstage of Proscenium Line | Skirt Available

### **Video Equipment:**

- Roland V-1HD Video Switcher
  - 4 HDMI Inputs
  - HDMI Output (selectable 1080p, 1080i, 720p)
  - HDMI Preview Out

## **Props**

### **Music: (shared throughout facility, subject to availability)**

**Chairs:** 200 Wenger Padded Black Chairs

**Music Stands:** 200 Wenger Music Stands

**Stand Lights:** 200 Stand Lights

**Conductor Podium:** Wenger 2 Step Podium with Conductor Music Stand

### **Platforms: (shared throughout facility, subject to availability)**

24 Wenger 4'x8' platforms

8 Wenger 4'x4' platforms

Legs to raise platforms to 8", 16", 24" and 32" heights

### **Dance Floor:**

6 sections of Rosco Dance Floor: 5'3" x 40'

1 section of Rosco Dance Floor: 5'3" x 30' (Proscenium)

### **Lecturns: (shared throughout facility, subject to availability)**

2 Dalite Black Podiums

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## **Wardrobe**

### **Dressing Rooms:**

- 2 Chorus Dressing Rooms (12-person capacity comfortably) with 3 showers and 3 Toilet stalls. Located in Up-Stage 2<sup>nd</sup> Floor Hallway
- 2 Rolling wardrobe racks in each dressing room
- 1 Rolling wardrobe rack in greenroom

### **Wardrobe Area/Laundry Facility: (shared throughout facility, subject to availability)**

- Main laundry facility is located on the 2nd floor. This is shared between all theaters at the Mesa Arts Center and is subject to availability.
- 1 clothes rack is in each dressing room. 6 more racks may be available in wardrobe room (based on availability)
- 3 iron and 3 ironing boards (based on availability)
- 6 steamers (based on availability)
- 2 Whirlpool washing machines (based on availability)
- 2 Whirlpool dryers (based on availability)