

FORBES CENTER

FOR THE PERFORMING ARTS

AT JAMES MADISON UNIVERSITY

Dorothy Thomasson Estes Center for Theatre and Dance

MAINSTAGE THEATRE

Technical Specifications



Revised: July 2017

The information in this document is subject to change.
To ensure that you have the most up-to-date information contact the Production Office



CONTACT INFO

Key Contacts:

Contracts/Masterclasses/Booking
Executive Director
540-568-4393

Production/Advance Technical Support
Production Services Manager
540-568-4395
forbesproduction@jmu.edu

PR/Marketing/Photography/Program
Public Relations Coordinator
540-568-4394

Hospitality/Hotel/Merchandise
Theatre Operations Associate
540-568-6358

Box Office/Seating Holds/House Holds/Tickets
Box Office Manager
540-568-64411

JMU Public Safety: 540-568-6913

Box Office: 540-568-7000
Box Office Fax: 540-568-2787

Web Address www.jmuforbescenter.com

BOOKING / RENTAL REQUESTS

The Forbes Center is dedicated to providing the best professional arts experience for James Madison University students while sharing award winning theatre and music performances with the public. However, the venues are not available for rent. Professional performing arts companies interested in becoming part of future performance seasons should contact the Executive Director.

MAILING ADDRESS / SHIPPING INFORMATION

Mailing Address: (Letter and small parcel shipping, for information regarding freight deliveries contact the Production Office)

Forbes Center for the Performing Arts– MSC 2107
871 S Main St
Harrisonburg, VA 22807

Main Loading Dock Address:

Loading Dock #1
147 Warsaw Ave
Harrisonburg, VA 22807



GENERAL POLICIES

Fire Safety

James Madison University is under the jurisdiction of the City of Harrisonburg, and its rules and procedures govern practices. All local, state, and federal laws apply.

Pyrotechnics and Atmospheric

Pyrotechnics and Atmospheric of any kind are not permitted in any venue in the Forbes Center for the Performing Arts without prior approval from the Production Services Manager and the James Madison University Fire Safety department. This includes but is not limited to foggers, hazers, dry ice, candles, and cigarettes of any kind.

Rigging and Overhead Safety

Any and all objects suspended in the Forbes Center must meet OSHA rules and regulations. All hardware **MUST** be rated for overhead lifting. Final approval of all rigging to be determined by the Production Services Manager or designated agent.

Food and Beverage

The consumption of food and beverage is restricted to the green room and designated reception areas. No food or drinks on stage, with the exception of bottled water and consumables essential to the production as pre-arranged with the Production Office.

Event Parking

Event parking can normally be found in the Warsaw Avenue Parking Deck adjacent to the Forbes Center. Additional parking information may be found at <http://web.jmu.edu/parking/>. Other than for performances, visitors to the University must acquire a temporary parking permit available from the Production Office. In most cases, production trucks will be permitted to remain parked in the loading dock area for the duration of the production. This must be advanced with the Production Services Manager prior to arrival.

All guest artists' cars must be registered through the production office to receive parking passes.

Support Areas

There is a green room with partial kitchen located adjacent to the USR stage door.

A wardrobe room with washer, dryer, steamers, and irons may be available, but advance notice is **required**.

*Contact the Production Services Manager **in advance** concerning need and availability of all support areas.*

Technical Crews

Technical crews assigned to your production will be comprised largely, if not entirely, of James Madison University students. These students have been trained by the faculty and staff and are instructed to provide as near professional service as possible. The knowledge, training, and experience of each student technician may vary, and continuity of crew from rehearsal to performance cannot be guaranteed without advance confirmation from Production Services Manager.



MAINSTAGE THEATRE

The Forbes Center Mainstage Theatre is a **463-seat** proscenium theatre. If show specific audio or lighting control equipment does not fit our house position, additional seats will be blocked for your event.

Seating Breakdown by Section

Orchestra HL	38	Center Balcony	138
Orchestra Center	132	Balcony HL Box 1	3
Orchestra HR	38	Balcony HL Box 2	4
Orchestra Box L	4	Balcony HR Box 1	3
Orchestra Box R	4	Balcony HR Box 2	4
Orchestra Terrace	95	TOTAL IN BALCONY BOXES	14
TOTAL AT ORCHESTRA LEVEL	311	TOTAL IN BALCONY	152
		TOTAL	463

Warsaw Loading Dock (at stage level)

Loading Dock Height: 4'-0" w/ dock leveler Loading Dock Width: 24'-0"

Loading Dock to Ceiling Height: 14'-0"

(Roof over dock does not extend beyond dock and therefore does not impose truck height restrictions)

Loading Dock Door Dimensions: Width: 11'-8" Height: 7'-10"

Mainstage Theatre Stage Access Door: Width: 13'-6" Height: 19'-7 1/2"
(Approx. 82' from loading dock door)

Stage Dimensions

Proscenium Height: 24'-5"

Adjustable Width Proscenium Opening

Dimension at Plaster Line: 42'-0 1/2" W to 36'-0" W

SL Wing: 24'-4 3/4"

SR Wing: 13'-1"

CL to SL Wall: 49'-0"

CL to SR Lock Rail: 38'-1"

SL Wall to SR Lock Rail: 87'-1"

Plaster Line to DS Edge of Apron/Pit at CL: 17'-5 3/8"

Plaster Line to Edge of Stage: 2'-6"

Plaster Line to Back Wall: 40'-2"

Plaster Line to US Fly Gallery: 36'-6"

Back of House to Back Wall: 94'-6" at head height

Grid Height: 64'-9 11/16" (stage deck to bottom of walking grid beams)

Wing Clear Height: 23'-5"

Trap Area Dimensions: 28'-1" W x 16'-0 1/2" US/DS

Trap Area begins: 5'-7 1/4" US of PL

Trap room height: 12'-0" (floor of trap room to stage deck) (not field verified)

9'-2" (floor of trap room to underside of stage joist truss) (not field verified)

Stage Floor

The Mainstage Theatre stage floor is a sprung-wood floor over poured concrete. Surface is covered by 1/4" tempered Masonite over 2 layers of 3/4" plywood sitting on 2x3 sleepers with Neoprene feet.

Attaching to the floor may be permitted pending approval from Forbes Production Office.

Orchestra Pit

Depth below stage level when at lowest point: 12'-0"

Stage floor opening : 45'-0" W 14'-11" D

Ceiling clearance on pit shelf: 6'-9"

Safe door clearance entering pit: 6'-4"

The Orchestra Pit lift is a Gala Systems Spiralift. It has four set stops: stage level, pit level and a programmable mid stop. Controls are operated by a wand with a 50' tail. Available points of connection are located backstage and in the pit.

Speed of rise/lower: 6' per minute

Maximum capacity (evenly distributed): 81,000 lbs. Static

27,000 lbs. Moving

Dressing Rooms

There are four dressing rooms located directly behind the back wall of the stage. The East and West dressing rooms include 10 lighted stations each. The two center dressing rooms individually seat 8 each, but a movable room-dividing wall allows the two spaces to be joined to form a single 16-seat dressing room. Access to two restrooms with showers is only available through the dressing rooms. Other facilities may be made available with prior arrangement.

Each dressing room receives program feed via a distributed audio system with paging capability.

Available Company Switches

There are **five** 3-phase AC power disconnects available in the Mainstage Theatre. All have a set of reverse ground and neutral cam-lock connectors and lugs for bare wire.

At stage level, there is **one 400-amp** panel stage left and **one 100-amp** panel upstage right.

On the mid-rail, there is **one 100-amp** panel stage left.

At catwalk level, there is **one 100-amp** panel house right
At grid level, there is **one 100-amp** panel upstage.

Only authorized university personnel are permitted to tie in to company switches. If a company switch is needed for your show, please inform the Production Services Manager as soon as possible to allow the necessary arrangements to be made.

Intercom System

Clear-Com positions are available throughout the house and backstage area. Additionally, a 4-beltback wireless system may be setup to interface with the wired network.

1	PS-704	4-Channel Power Supply	4	KB-702	Dual Channel Speaker
1	RM-704	4-Channel Remote Station	11	CC-95	Single Muff Headset
8	RS-601	Single Channel Beltpack	5	CC-260	Double Muff Headset
5	RS-602	Dual Channel Beltpack	1	HS-6	Telephone-Style Handset
4	FL-7	Call Signal Flasher			
1	HME Pro850 Wireless 2-channel base station				
1	HME Pro850 Wireless 2-channel beltpack				
3	HME Pro850 Wireless 1-channel beltpack				

Wireless Frequencies

The following wireless frequencies are in use by house equipment. Unless prearranged, please assume that these systems may be used during your production for normal house operation.

2-way Radio Communication	HME Wireless Intercom
462.36250	490.250
467.36250	491.750
	633.375
Sennheiser Wireless Microphones/Monitors	634.000
584.000-596.000	635.125
	637.000



AUDIO INVENTORY

CONSOLE

Yamaha M7CL V3 – 32 channel

LOUDSPEAKER SYSTEM

MAINS

5 Renkus Heinz PNx 121T/9A (Proscenium L, C, R)
7 Renkus Heinz SGX 41 (Front Fills, paired)
4 Renkus Heinz PNx 81/9 (Box Fills)
3 Renkus Heinz PNx 81/9 (Balc Delays)
19 Renkus Heinz CFX 61 (10 Orch surrounds, 9 Balc)

MONITORING SYSTEM

4 Renkus Heinz PN 121 M12 (w/ stand)

LOUDSPEAKER MANAGEMENT SYSTEM

1 BSS Soundweb- London

PLAYBACK/RECORDING

1 Macbook Pro (w/ Qlab 2)
1 RME Fireface 800
1 Denon DN-C640 CD Player

WIRELESS RECIEVERS/TRANSMITTERS

8 Sennheiser ew 500 G3 Receiver
8 SK 500 G3 Bodypack Transmitter
1 SKM 500-965 G3 Handheld Transmitter

MICROPHONES

1 Shure SM57 (cardioid dynamic)
1 Audix OM2 (cardioid dynamic)
2 Audio Technica AT831b (condenser lav)

CABLE

10 25 ft Blue Whirlwind XLR
3 50 ft Blue Whirlwind XLR
1 15 ft Whirlwind XLR Snake 32 Ch
1 10 ft Whirlwind XLR Snake 16 Ch
1 10 ft Whirlwind XLR Snake 12 Ch
1 35 ft Mogami XLR Snake 32 Ch
1 30 ft Mogami XLR Snake 8 Ch + 8 Returns

MIC STANDS

2 On-Stage Round Base Straight Stand
1 On-Stage Tripod Boom Stand

Additional inventory may be available. Please inquire.

LIGHTING INVENTORY

CONSOLE

ETC Eos

- 2 External Touchscreen Monitors
- 1 Radio Focus Remote
- 1 iRFR on iPad 2
- 1 Remote Video Interface
w/ 2 Flat Panel Monitors

DMX

- 1 4-port ETC Net3 DMX Node
- 2 2-port ETC Net3 DMX Node
Net taps available throughout venue

CONVENTIONAL INSTRUMENTS

- 2 ETC Source 4 ERS 10 deg, 575w
- 40 ETC Source 4 ERS 19 deg, 575w
- 75 ETC Source 4 ERS 26 deg, 575w
- 75 ETC Source 4 ERS 36 deg, 575w
- 20 ETC Source 4 ERS 50 deg, 575w
- 40 ETC Source 4 PAR, 575w
- 30 Selecon 6" Fresnel
- 15 Selecon 8" Fresnel
- 12 T3 Sky Cyc (3-cell)
- 8 T3 Groundrow (3-cell)
- 10 MR16 Strip Light (6'-3"; 3-circuit)
- 2 SuperArc 400 Follow Spot

MOVING FIXTURES

- 4 High End Systems Studio Color, 575w
- 4 Vari-Lite VL2500
- 4 Martin 2K Performance 2E

LED FIXTURES

- 8 Altman Spectra Cyc LED Cyc Lights
- 8 Color Kinetics Color Blast LED Strip Lights
- 35 ETC Source Four Color Source Pars

CABLING

Assortment of various lengths of Stagepin and Edison cable and adapters; please inquire.

ACCESSORIES

- 2 6" Fresnel Barn Doors
- 15 8" Fresnel Barn Doors
- 50 6 1/4" Top Hats
- 15 S4 Drop-In Irises
- 8 Rosco ICue Moving Mirror
- 35 Wybron CXI Colorfaders

OTHER

- 6 Littlelites
- 24 12" Sidearms
- 50 24" Double-Tee Sidearms
- 12 Floor Mount Bases
- 10 Boom Bases
- 12 25 lb. Sandbags



LINESET SCHEDULE

BATTON	HOUSE REP PURPOSE	SHOW PURPOSE	DISTANCE FROM PL	NOTES
1	1 st Border		0'-8"	
2	House Main Curtain	HOUSE MAIN CURTAIN	1'-4"	DEDICATED LINESET
4	#1 Legs		2'-8"	
5			3'-4"	
6	#1 Electric		4'-0"	
7			4'-8"	
8			5'-4"	
9			6'-0"	
10			6'-8"	
11			7'-4"	
12			8'-0"	
13	#2 Border		8'-8"	
14	#2 Legs		9'-4"	
15			10'-0"	
16	#2 Electric		10'-8"	
17			11'-4"	
18			12'-0"	
19			12'-8"	
20			13'-4"	
21			14'-0"	
22	#3 Border		14'-8"	
23	#3 Legs		15'-4"	
24			16'-0"	
25	#3 Electric		16'-8"	
26			17'-4"	
27			18'-0"	
28			18'-8"	
29			19'-4"	
30			20'-0"	
31			20'-8"	
32			21'-4"	
33	#4 Border		22'-0"	
34	#4 Legs		22'-8"	
35			23'-4"	
36	#4 Electric		24'-0"	
38			25'-4"	
39			26'-0"	
40			26'-8"	
41	Black Traveler	BLACK TRAVELER	27'-4"	DEDICATED LINESET
42			28'-0"	
43	Border		28'-8"	
44	Legs		29'-4"	
45	Black Scrim		30'-0"	
46	Black Traveler	BLACK TRAVELER	30'-8"	DEDICATED LINESET
47			31'-4"	
48	Cyc (RP)		32'-0"	
49			32'-8"	
50			33'-4"	
51			34'-0"	
52			34'-8"	
53			35'-4"	
54	Muslin Bounce		36'-0"	
55			36'-8"	



CIRCUIT SCHEDULE

Dimmable Circuits

Each of the following are 20A circuits powered by ETC SineWave Dimmer Modules:

Trap Room	(6)	1 thru 6	Tech Box House Right	(12)	100 thru 111
Pit	(6)	7 thru 12	Mid-Rail Downstage Left	(18)	112 thru 129
Downstage Left	(6)	13 thru 18	Mid-Rail Stage Left	(132)	130 thru 231
Downstage Right	(6)	19 thru 24	Mid-Rail Stage Right	(24)	232 thru 255
Upstage Right	(6)	25 thru 30	Tension Grid FOH	(19)	256 thru 274
Upstage Left	(6)	31 thru 36	Tension Grid House Right	(5)	275 thru 279
Tech Box Ladder House Left	(6)	37 thru 42	1 st Catwalk	(30)	280 thru 309
Balcony Box House Left	(6)	43 thru 48	2 nd Catwalk	(24)	310 thru 333
Tech Box Ladder House Right	(6)	49 thru 54	Followspot House Left	(4)	334 thru 337
Balcony Box House Right	(6)	55 thru 60	Followspot House Right	(4)	338 thru 341
Under Balcony House Left	(5)	61 thru 65	Followspot Booth	(3)	342 thru 344
Balcony Rail	(16)	66 thru 81	US Over-Stage Grid	(4)	345 thru 348
Under Balcony House Right	(6)	82 thru 87	US 6K Dimmers	(3)	349 thru 351
Tech Box House Left	(12)	88 thru 99	Mid-Rail 6K Dimmers	(3)	352 thru 354

Non-dim Circuits

Each is 20A Edison circuit distributed throughout venue.

House Lights

Each of the following are powered by ETC SineWave Dimmer Modules:

Orchestra Level HL SLL	355	Balcony Level SLL HL/HR	363 thru 364
Orchestra Level HR and Booth SLL	356	Balcony Downlight	368
Orchestra Downlight	369 thru 371	Balcony Downlight	372 thru 373
Orchestra Terrace and Box Downlight	357 thru 360	Balcony Glow	425, 429, 433
Balcony Box Downlight	361 thru 362		

Work Lights

Pit SLL	404	Loading Bridge	412
Pit	395, 408	Tech Box HL and HR Downlight	366 thru 367
Trap Room	406	Tech Box SLL	407
HR Backstage Access Hallway, US SLL	403	Tech Gallery SLL	411
HL Backstage Access Hallway	405	FOH Tension Grid	397
Under Mid-Rail	391, 414	FOH 1 st and 2 nd Catwalk	398, 413
Mid-Rail	383, 409	Followspot Booth SLL	415
Over-Stage Grid	382, 384, 394	Followspot Booth	410

Run Lights

Pit SLL	392	HR Backstage Access Hallway and US SLL	419
Pit	388	Onstage US	418
Trap Room	396	Onstage SL/SR	420
HL Backstage Access Hallway	417		

Lighting ENET positions:

Downstage Left (@2)	HR Tech Box Ladder	1 st Cat
Downstage Right	HR Balcony Box	2 nd Cat
Upstage Left	Balcony Rail	Followspot Booth
Upstage Right	HL Tech Box	Followspot HL
HL Tech Box Ladder	HR Tech Box	Followspot HR
HL Balcony Box	FOH Tension Grid	US Over-Stage Grid

To arrive at the Forbes Center via GPS navigation, you can use:

- 1) 147 Warsaw Avenue, Harrisonburg, VA, or
- 2) 38°26'23.85"N 78°52'37.31"W

From I-81

Take Exit 245 (Port Republic Road). From the North, turn right at the end of the ramp and continue to the second light. From the South, turn left at the end of the ramp and continue to the third light. Turn right onto S. Main Street. At the first light, turn left onto Warsaw Avenue (at the Buffalo Wild Wings).

The **Warsaw Avenue Loading Dock** will be on your right at the first light. Continue on Warsaw Avenue to the back of the building and follow the road and signage to the right. At the Stop Sign, turn right onto Patterson Street. The entrance to the **Warsaw Avenue Parking Deck** will be on your right.

Continue straight on Patterson Street and enter the traffic circle to arrive at the **West Plaza**. Take the first exit from the traffic circle. The access road opens into the **JMU Red Zone Parking Lot I**.

The loading dock nearest the West Plaza is the **Roberts West Loading Dock**. The loading dock nearest S. Main Street is the **Roberts East Loading Dock**.

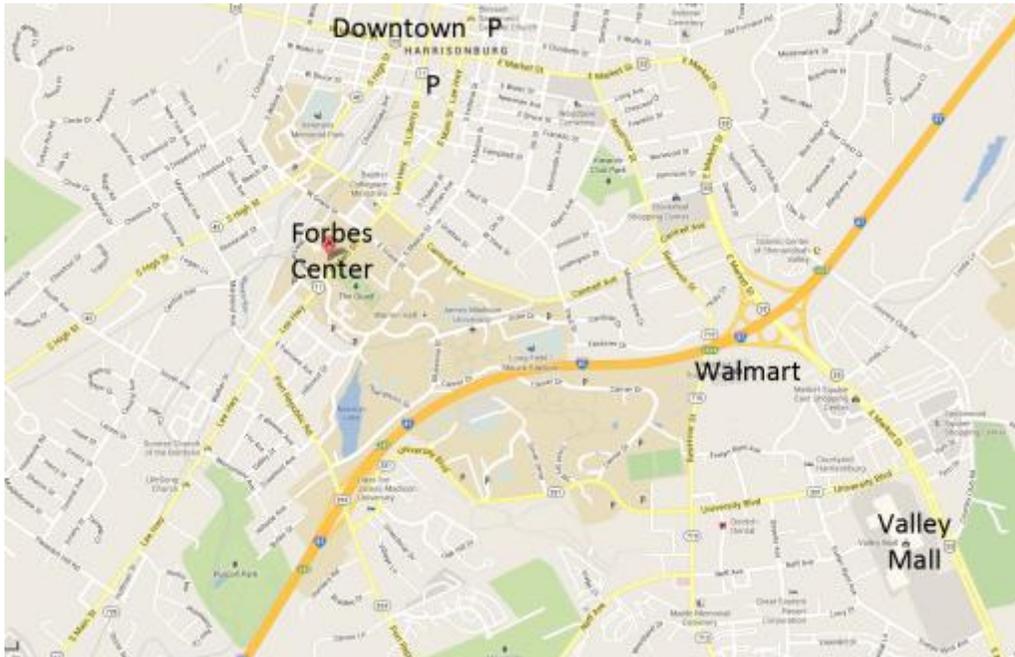


Harrisonburg Hotels

Quality Inn	540-442-1515	1881 Evelyn Byrd Ave.	2.2 miles
Hampton Inn Harrisonburg	540-432-1111	85 University Blvd.	2.7 miles
The Stonewall Jackson Inn	540-433-8233	547 E. Market St.	1.3 miles
Holiday Inn Harrisonburg	540-433-2521	1400 E. Market St.	2.5 miles
Residence Inn Harrisonburg	540-437-7426	1945 Deyerle Ave.	2.5 miles

Harrisonburg Restaurants

<u>Downtown Area (10 min)</u>	<u>Walmart Area (10 min)</u>	<u>Mall Area (15 min)</u>	<u>Walkable</u>
Capital Ale House*	Ruby Tuesday	(E. Market St.)	Buffalo Wild Wings
Jack Brown's*	Panera Bread	Applebee's	Greenberry's
Dave's Taverna	O'Charley's	Chili's	Starbucks
Clementine	Chipotle	Red Lobster	
Local Chop House	Texas Roadhouse	Outback Steakhouse	
Union Station	Mr. J's Bagels	IHOP	



Street parking downtown is free, but limited. There are also two garages, shown here as the letter P.
* For late-night, Capital Ale House is open daily until 1:30am, and Jack Browns is open daily until 2:00am.

Nearest Dry Cleaner	Pristine Cleaners (1.0 miles)	1171 S. High St.	540-433-5333
Nearest Pharmacy	Rite Aid Pharmacy (0.6 miles)	1420 S. Main St.	540-434-7341
Nearest Grocery Store	Walmart Supercenter (1.3 miles)	171 Burgess Rd.	540-433-0808



MEDICAL INFORMATION

Directions to Emergency Room at Rockingham Memorial Hospital

1. From the **JMU Red Zone Parking Lot I** or one of the **Roberts Center Loading Docks**, take the access road to the traffic circle and take the first exit onto Patterson Street. From the **Warsaw Avenue Parking Deck** turn left at the Stop Sign onto Patterson Street. From the **Warsaw Avenue Loading Dock**, begin with #2.
2. Turn left onto Warsaw Ave.
3. Turn right onto S. Main Street.
3. Travel 0.3 mi. At the first traffic light, turn left onto Port Republic Rd.
4. Travel 2.6 mi., then turn left onto Pleasant Run Dr.
5. After 0.2 mi. turn right onto Health Campus Dr. and continue to the back of the building.

The Emergency Department Entrance will be on your left. Parking Lot E is nearest the entrance.

The street address is 2010 Health Campus Dr. Harrisonburg, VA 22801

RMH General 540-689-1000

Toll free 877-689-1000

Convenient Care

MedExpress Urgent Care	540-432-3080	1840 E. Market St.	2.6 miles	9am-9pm daily
Emergicare	540-432-9996	755 Cantrell Ave.	1.2 miles	9am-8pm M-F 10am-4pm Sat 1pm-6pm Sun