

Dorothy Thomasson Estes Center for Theatre and Dance
MAINSTAGE THEATRE
TECHNICAL SPECIFICATIONS

Revised March 2023

The information provided in this document is subject to change.

To ensure that you receive the most accurate information, please contact the Production Office.

FORBES CENTER
FOR THE PERFORMING ARTS
JAMES MADISON UNIVERSITY

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Contact Information

Contracts/Masterclasses/Booking

Executive Director
540-568-4393

PR/Marketing/Photography/Program

Public Relations Coordinator
540-568-4394

Box Office/Seating Holds/House Holds/Tickets

Box Office Manager: 540-568-64411
Box Office: 540-568-7000
Box Office Fax: 540-568-2787
www.jmuforbescenter.com

Production/Advance Technical Support

Production Services Manager
540-568-4395
forbesproduction@jmu.edu

Hospitality/Hotel/Merchandise

Theatre Operations Associate
540-568-6358

JMU Public Safety

540-568-6913

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 / Shipping

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

Freight Address: (Contact Production Office prior to shipping freight to make receiving arrangements)

Forbes Center for the Performing Arts
Loading Dock #1
147 Warsaw Ave
Harrisonburg, VA 22807

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 Atmospherics

Pyrotechnics and Atmospherics 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 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 will be determined by the Production Office 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.

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.

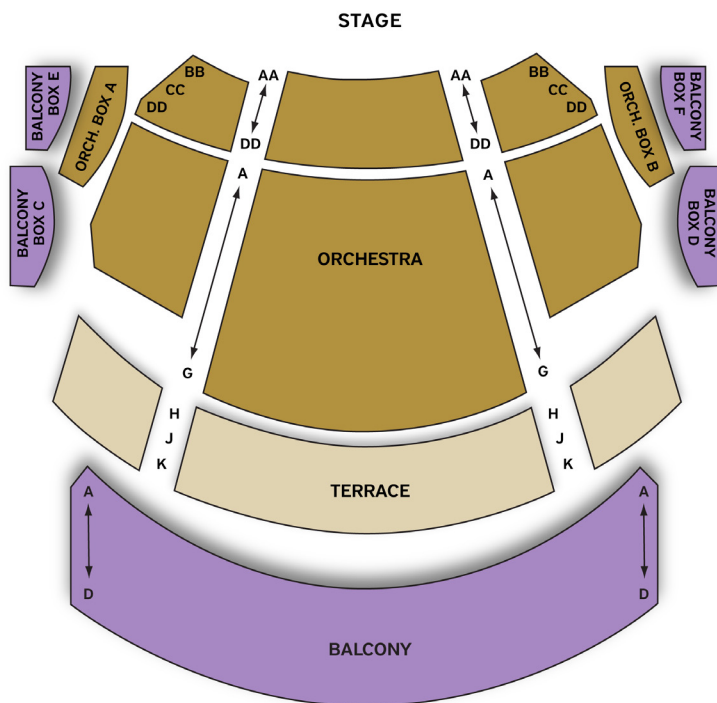
Support Areas

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.*

Seating

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.

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



Warsaw Loading Dock

Loading dock height from ground:	4'-0" w/ dock leveler
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 width:	11'-8"
Loading dock door height:	7'-10"
Mainstage Theatre stage access door width: (Approx. 82' from loading dock door)	13'-6"
Mainstage Theatre stage access door height:	19'-7 ½"

Stage Dimensions

Proscenium Height:	24'-5"
Adjustable Width Proscenium Opening Dimension at Plaster Line:	42'-0 ½" W to 36'-0" W
SL Wing:	24'-4 ¾"
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 ¾"
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 ½" US/DS
Trap Area begins:	5'-7 ¼" 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 ¼" tempered Masonite over 2 layers of ¾" 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 Room / Wardrobe Information

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.

Nearest Dry Cleaner Pristine Cleaners (1.0 miles) 1171 S. High St. 540-433-5333

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-belt-pack wireless system may be setup to interface with the wired network.

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

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

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 ¼" Top Hats
- 15 S4 Drop-In Irises
- 8 Rosco ICue Moving Mirror
- 35 Wybron CXI Colorfaders

OTHER

- 6 Littlelites
- 24 12" Sidelights
- 50 24" Double-Tee Sidelights
- 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
Pit	(6)	7 thru 12
Downstage Left	(6)	13 thru 18
Downstage Right	(6)	19 thru 24
Upstage Right	(6)	25 thru 30
Upstage Left	(6)	31 thru 36
Tech Box Ladder House Left	(6)	37 thru 42
Balcony Box House Left	(6)	43 thru 48
Tech Box Ladder House Right	(6)	49 thru 54
Balcony Box House Right	(6)	55 thru 60
Under Balcony House Left	(5)	61 thru 65
Balcony Rail	(16)	66 thru 81
Under Balcony House Right	(6)	82 thru 87
Tech Box House Left	(12)	88 thru 99
Tech Box House Right	(12)	100 thru 111
Mid-Rail Downstage Left	(18)	112 thru 129
Mid-Rail Stage Left	(132)	130 thru 231
Mid-Rail Stage Right	(24)	232 thru 255
Tension Grid FOH	(19)	256 thru 274
Tension Grid House Right	(5)	275 thru 279
1st Catwalk	(30)	280 thru 309
2nd Catwalk	(24)	310 thru 333
Followspot House Left	(4)	334 thru 337
Followspot House Right	(4)	338 thru 341
Followspot Booth	(3)	342 thru 344
US Over-Stage Grid	(4)	345 thru 348
US 6K Dimmers	(3)	349 thru 351
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
Orchestra Level HR and Booth SLL	356
Orchestra Downlight	369 thru 371
Orchestra Terrace and Box Downlight	357 thru 360
Balcony Box Downlight	361 thru 362
Balcony Level SLL HL/HR	363 thru 364
Balcony Downlight	368
Balcony Downlight	372 thru 373
Balcony Glow	425, 429, 433

Work Lights

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

Run Lights

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

Lighting ENET positions

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

Directions / Parking

To arrive at the Forbes Center via GPS navigation, use 147 Warsaw Avenue, Harrisonburg, VA, or 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 S. Main St. (the second light). From the South, turn left at the end of the ramp and continue to S. Main St. (the third light). Turn right onto S. Main Street. At the first light, turn left onto Warsaw Avenue 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.
- To access the loading docks continue straight on Patterson Street and enter the traffic circle to arrive at the West Plaza. Take the first exit from the traffic circle into the **JMU Parking Lot I**.

Event Parking

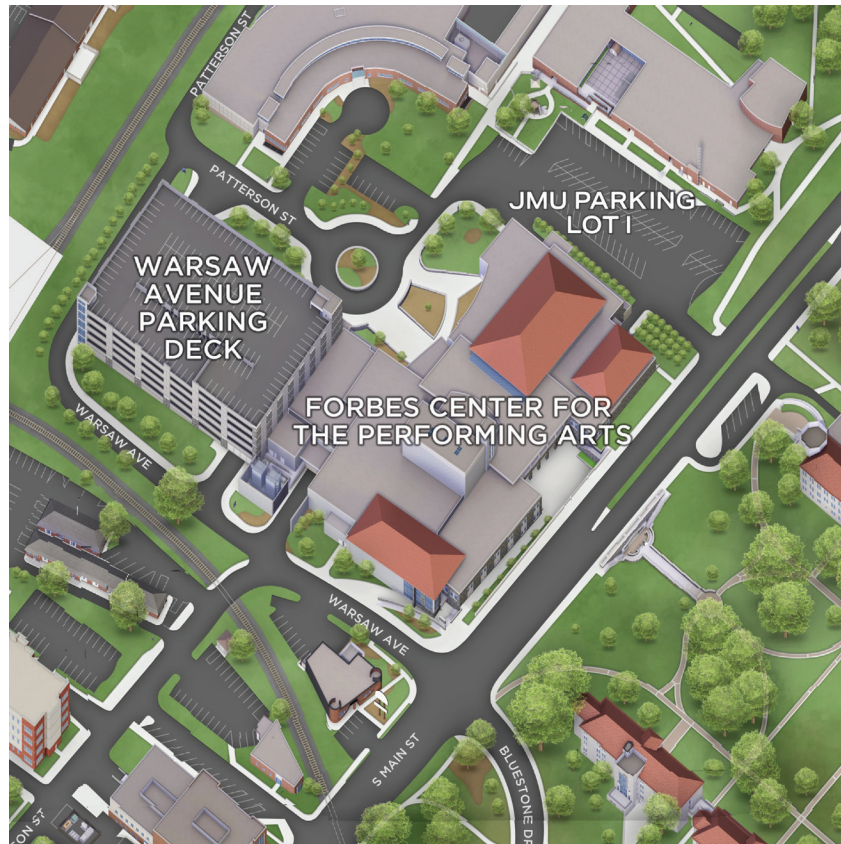
Event parking during performances is located in the Warsaw Avenue Parking Deck adjacent to the Forbes Center. Additional parking information may be found at www.jmu.edu/parking. For visits to the Center outside of performance times, including the load-in, rehearsal and load-out of performances, visitors to the Forbes Center must acquire a temporary parking permit available from the Production Office.

All guest artists' cars must be registered through the Production Office and display passes provided by the office.

Production Parking

Truck and Bus - In many 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 Office prior to arrival.

Tour buses may receive permission from the Production Office to park in the loading dock if space is available.



Area Hotels

Quality Inn

540-442-1515
1881 Evelyn Byrd Ave.
2.2 miles

Hampton Inn

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 Express

540-433-9999
3325 S Main St.
4.8 miles

Residence Inn

540-437-7426
1945 Deyerle Ave.
2.5 miles

More hotels are listed at www.jmuforbescenter.com

Area Restaurants

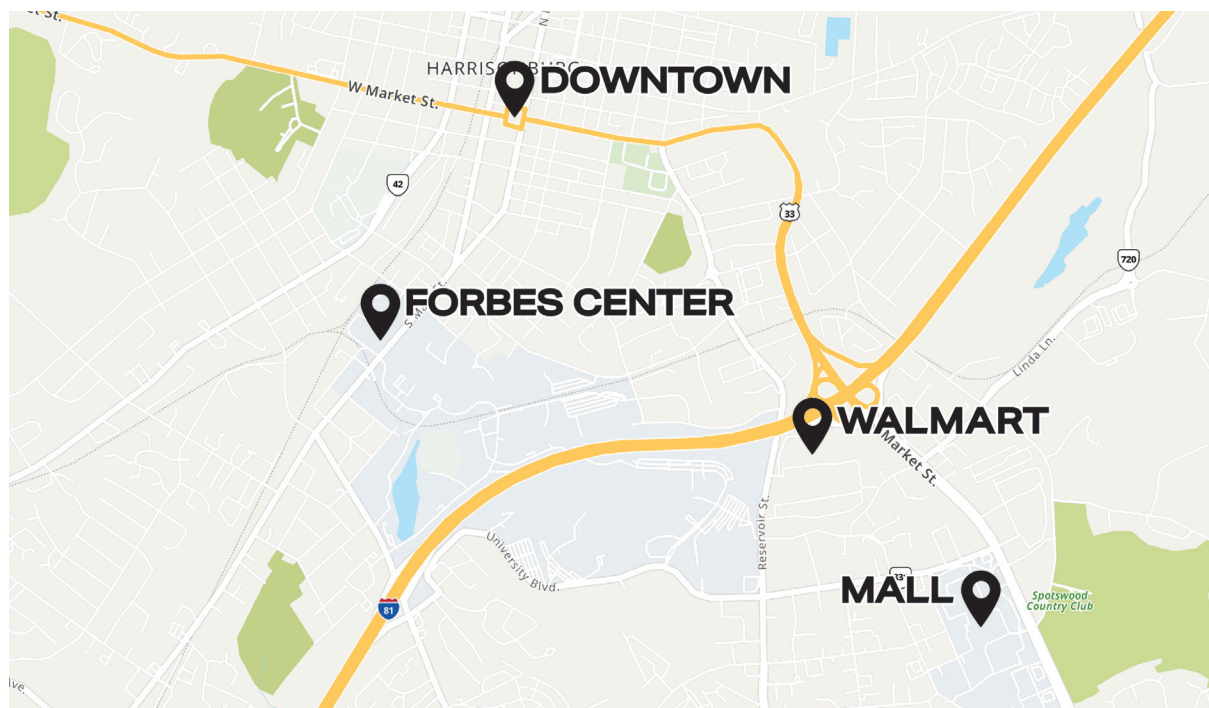
A selection of area restaurants. For additional dining suggestions contact a Forbes Center employee.

Downtown Area (10 min)	Walmart Area (10 min)	Mall Area (15 min)	Walkable
Capital Ale House*	Ruby Tuesday	Buffalo Wild Wings	Greenberry's Coffee **
Jack Brown's*	Panera Bread	IHOP	Starbucks Coffee
Clementine **	O'Charley's	Chili's	Brickhouse Tavern
Ruby's Arcade**	Texas Roadhouse	Red Lobster	Montpelier Restaurant and Bar**
Union Station (pub) **	Mr. J's Bagels (deli) **	Outback Steakhouse	
Bella Luna Wood-fired Pizza **	The Ridge Room	Various fast food chains	
Beyond**	Olive Garden		
Billy Jack's Wing & Draft Shack**	Fast food chains		
BoBoKo Indonesian Cafe**			
Cuban Burger**			
The Golden Pony**			
Jimmy Madison's**			
Joshua Wilton House**			
Local Chop & Grill House**			
Magnolia's Tacos & Tequila Bar**			
Rocktown Kitchen**			

* For late-night, Capital Ale House is open daily until 1:30am, and Jack Brown, is open daily until 2:00am.

** Local, non-chain, restaurants.

Downtown parking is free. Street parking is available as well as two garages.



Area Services

Nearest Pharmacy

CVS (1.3 miles)
1100 S. High St.
(540) 433-1158

Nearest Grocery Store

Walmart Supercenter (1.3 miles)
171 Burgess Rd.
(540) 433-0808

Medical / Emergency Information

The Forbes Center is committed to providing a safe environment for artists, crew and patrons. For immediate medical assistance dial **9-911** from any Forbes Center phone or 911 from any other phone. Contact Forbes Center staff for any non-emergency assistance including access to basic first aid supplies.

MedExpress Urgent Care (2.6 miles)

1840 E. Market St.
(540) 432-3080
8a-8p daily

Wellspring Health Group (2.5 miles)

Chiropractic Care - Acupuncture - Massage Therapy
1737 Erickson Ave
Harrisonburg, VA 22801
(540) 432-6860
Mon-Fri 9a-5p

Emergicare (2.9 miles)

(540) 432-9996
182 Neff Ave W12
Call for hours

Nearest Massage (1.5 miles)

Refreshing Effects
1171 S High St Suite 110
(540) 383-9448
Mon-Fri 10a-6p

Nearest Chiropractor (2.1 miles)

Cason Chiropractic
182 Neff Ave # W7
(540) 432-6842
Call for hours

Emergency Dentist

Aspen Dental
20 University Blvd Ste B
(540) 214-3732
Call for hours

Emergency Room - 3.1 miles
Sentara RMH Medical Center
2010 Health Campus Drive,
Harrisonburg, VA, 22801
540-689-1000
877-689-1000 (Toll free)

DIRECTIONS:

- From the JMU Red Zone Parking Lot I or one of the Loading Docks, exit onto Main St.
- Turn right onto SMain Street.
- Travel 0.3 mi. At the first traffic light, turn left onto Port Republic Rd.
- Travel 2.2 mi., then turn left onto Stone Spring Rd. After 0.2 mi. turn right onto Health Campus Dr. and continue to the back of the building.

