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## Technical Specifications

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### Mary D'Angelo Performing Arts Center

# MARY D'ANGELO PERFORMING ARTS CENTER

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## SEATING CAPACITY

**794 SEATS**

**Handicap and wheelchair accessible.**

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## TELEPHONE NUMBERS

Main Office	(814) 824-3000
Box Office	(814) 824-3000
Workshop	(814) 824-3052
FAX	(814) 824-3098
Production Manager	(814) 824-3381
Website	<a href="http://miac.mercyhurst.edu">miac.mercyhurst.edu</a>

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## DIRECTIONS

From I-90 Exit 27 (State Street Exit), take Rt. 97 North for one mile to Jct. 505. Fork right and continue on Rt. 97 (Old French Rd) to East 38<sup>th</sup> Street. (VA Hospital on left). Turn right on 38<sup>th</sup>; proceed four blocks East to Mercyhurst College. Enter through the iron gates. Large trucks and busses should continue one block beyond the main entrance gates on 38<sup>th</sup> and instead turn right on Briggs Avenue. Slow down at the curve; the driveway on the right, just past the Mercyhurst Bookstore, leads to the Mary D' Angelo Performing Arts Center.

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## STAGE DOOR AND LOAD-IN

The Stage Door and Load-in door are on the south side of the building at street level, just past the main theater entrance. Stage Door is blue and clearly marked.

Both doors are at street level and **a ramp or lift gate is required.**

**There is no loading dock.**

The load-in is from the stage-right side. The push is 60' (18 m) to center stage.

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## BUS AND TRUCK PARKING

Access to the load-in door is free from permanent obstructions. However, larger trucks and busses will have to negotiate through the parking lot. Trucks over 30' long block traffic and will have to move from the door after the truck is off-loaded.

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## STAGE HOUSE DIMENSIONS

Proscenium Height	24ft.	7.3m
Proscenium Width	45ft.	13.7m
Stage Depth	38ft.	11.6m
Stage left wing.	15ft.	4.6m
Stage right wing.	18ft.	5.5m
Ceiling	51ft.	15.5m

**Note: There is NO grid.**

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## STAGE DECK

The deck is 2 layers of 3/4" plywood over concrete. The wooden deck extends 34' (10.4 m) left and right from centerline and 33' (10.1 m) upstage from pit apron.

**The deck is not sprung.**

For an additional charge, a 56' wide by 36' (17.1 m x 10.9 m) deep sprung dance floor is available and can be installed over the existing deck.

Wing floors are concrete and level with wooden deck

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## STAR DRESSING ROOMS

There are two dressing rooms immediately off of stage right that can accommodate up to four people. Each dressing room has a private bathroom and shower.

Wi-Fi internet access is available

**The dressing rooms do not have telephone.**

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## ENSEMBLE DRESSING ROOMS

Two ensemble dressing rooms are located one flight down in the basement. Stairs to the dressing rooms are located off of stage right and upstage left. **There is no elevator.** The men's dressing room will accommodate 15 performers; the women's dressing room will accommodate 30 performers. Each room has bathroom and shower facilities.

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## GREEN ROOM

There is a “green room”, multi-purpose space, located in the basement next to the ensemble dressing rooms. This room is suitable for the use of a practice space for rehearsals, catered dinners, etc. Within the Green Room is a laundry room including two wardrobe steamers.

**There is no elevator.**

The star and ensemble dressing rooms, as well as the green room are equipped with a two-way intercom (Clear Com) system which can communicate with the sound booth, backstage and other areas throughout the building.

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## COMPANY SWITCH/POWER TIE-IN

Cam-Lok tie-in (5 wire 3 phase) is available mid stage right. Cam-Lok extension cables required for service beyond the stage right area.

**600 amp service disconnect is shared with stage dimming system.**

Cam-Lok tie-in (5 wire 3 phase) is available upstage right.

**100 amp service disconnect NOT shared with stage dimming system.**

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## FLY SYSTEM

Fly system is a Single Purchase Counter Weight System.

Locking rail is located at deck level on stage left.

Load floor is accessed via a steel ladder on upstage left wall.

Rigging is under hung from steel.

There are 5 spot lines on each side of the stage.

Low Trim: 6' (2 m)

High Trim: 46' (14 m)

**Note: Proscenium height is 24'.**

**There is no grid.**

**There is no pin rail.**

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## LINE-SET SCHEDULE

LINE#	FT.	IN.	METERS	DESCRIPTION
1	1	6	0.46	<i>MAIN VALENCE</i>
2	2	2	0.66	<i>MAIN CURTAIN</i>
3	3	6	1.07	<i>1 ELECTRIC</i>
4	4	10	1.47	Border
5	5	6	1.68	<i>SCREEN</i>
6	6	2	1.88	<i>1 SHELL</i>
7	7	6	2.29	
8	8	10	2.69	
9	10	2	3.1	1 Border
10	10	10	3.3	1 Legs
11	12	2	3.71	<i>2 ELECTRIC</i>
12	13	6	4.11	<i>2 SHELL</i>
13	14	2	4.32	
14	14	10	4.52	
15	15	6	4.72	
16	16	2	4.93	2 Border
17	16	10	5.13	
18	17	6	5.33	2 Legs
19	18	2	5.54	<i>MID STAGE BLACKTRAVELLER</i>
20	21	6	6.55	<i>3 ELECTRIC</i>
21	22	10	6.96	
22	23	6	7.16	<i>3 SHELL</i>
23	24	2	7.37	
24	25	6	7.77	
25	26	2	7.98	3 Border
26	26	10	8.18	3 Legs
27 *	27	6	8.38	<i>4 ELECTRIC</i>
28	28	2	8.59	
29	29	6	8.99	<i>5 ELECTRIC</i>
30	30	10	9.4	
31	31	6	9.6	
32	32	2	9.8	
33	32	10	10.01	
34	33	6	10.21	4 Border
35	34	2	10.41	4 Legs
36	34	10	10.62	
37	35	6	10.82	<i>CYCLORAMA</i>
38	36	2	11.02	<i>FULL BLACK</i>

**Notes: Distances are upstage from the plaster line.**

Items in **BOLDFACE** are permanent and cannot be moved.

\* = Line Set 27 has removable multi cable electric feed.

May be used as a working line set.

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## LIGHTING SYSTEM

**Control:** ETC Ion Console (300 channels + 60 sub masters.)

**Dimming:** Strand CD-80 (240 x 2.4KW.)

**Signal:** DMX-512 with ports located stage right, stage left, FOH cove, FOH mix and projection booth.

**Circuits:**

FOH Bridge	30	1 through 30
#1 Box Boom Right	12	31 through 43
#1 Box Boom Left	12	44 through 56
#2 Box Boom Right	7	57 through 63
#2 Box Boom Left	7	64 through 70
#1 Electric	30	71 through 100
#2 Electric	30	101 through 130
#3 Electric	30	131 through 160
#4 Electric	24	201 through 224
#5 Electric	30	161 through 190

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## INSTRUMENTS

2	10°	ETC Source Four
18	19°	ETC Source Four
70	26°	ETC Source Four
70	36°	ETC Source Four
16	50°	ETC Source Four
60	PAR	ETC Source Four
6	3-cell	Strand Iris-3 Cyc. lights (1KW. Halogen)
6	3-cell	Altman Ground Row Cyc. lights (1KW Halogen)
2		Phoebus follow spots

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## CABLE

The Performing Arts Center has an assortment of 2 P&G stage cable in 5 Ft., 10Ft., 20Ft., and 50Ft. lengths. (1.5 m. through 15 m.)

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## COMMUNICATION SYSTEM

There are dual-channel Clear-Com ports throughout the facility. Belt-packs and headsets are shared between the Performing Arts Center and Taylor Little Theater.

- 7 Single Channel belt-packs with single muff headsets.
  - 2 Dual Channel belt-packs with single muff headset
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## SOUND SYSTEM

### Loudspeakers

The FOH system is a distributed system consisting of a main cluster with pit-railing speakers, and a delay cluster and delayed under-balcony speakers.

The monitor system offers two channels of signal fold back. Channel one is hardwired to two wall mounted speakers (one in each wing for side-fill). Channel two is available for one on stage mix.

All speakers are JBL.

All amps are Ashly ne Series.

### Mixing Consoles

FOH	Allen & Heath GL-2800 (24 ch. x 3)
Backstage left	Mackie VLZ Series (14 x 2)

### Signal Processing

All signal processing is performed by a digital signal processor. (Rane RPM-2)  
Changes cannot be made to the DSP.

### Hard-wired microphone lines

There are 24 hard-wired mic lines from the stage to the FOH mix position. They are distributed in groups of six at each corner of the stage.

There are 6 hard-wired microphone lines from the orchestra pit to the FOH mix position.

There are 5 hard-wired microphone lines from the orchestra pit to the Backstage Left mixer.

There are 4 hard-wired microphone lines from the FOH catwalk to the FOH mix position.

**There are NO return channels in the hard-wired system.**

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## ADDITIONAL SOUNDEQUIPMENT

ITEM	QTY.	DESCRIPTION
Speakers	2	EAW - LA-325 Loudspeaker
Amplifiers	1	Crest - CA-9 Two channel stereo amplifier
	1	Crown - Two channel stereo amplifier
Processing	1	Rane - ME-15B Two channel graphic equalizer
Microphones	6	Shure - SM-57
	6	Shure - SM-58
	2	Shure - SM-48LC
	6	Audio Technica Wireless Microphones
	2	AKG - C100-B Cardioid Microphones (Permanently mounted FOH)
	Assorted	XLR Microphone cables 5', 10', 25' and 50' lengths.
Playback	1	Tascam - CDRW-200 CD Player/Recorder
	1	Tascam - CDRW-100 CD Player/Recorder
Monitor:	4	Rhenkus-Heinz 9" wedge speakers
	Assorted	Neutrick - Speakon cables 25', 50' and 100' lengths.



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## VIDEO AND MULTIMEDIA

- Video Projector:** Christie HD-8K high definition video projector.
- Projection File**
- Format:** Photo files for projection should be at: 1024 x 768 ppi (pixels per inch)  
Color should be set to RGB.  
File should be a jpg at max quality.  
Files should be supplied on a thumb drive.
- Video Playback:** Sony Blu-Ray player.
- Video Switch:** Extron ISS-506 seamless switcher.
- 35mm Projector:** Simplex-XL 35mm projector. Potts-Alpha 3-deck platter/film transport.
- 35mm Automation:** Component Engineering TA-10 theater automation
- Cinema Sound:** Dolby CP650 cinema processor with Dolby Digital.  
JBL 4675C two-way speakers – passive crossovers.  
Cinema sound is separate from house sound system. It is operated from a different location than the house sound system. There is no interconnection between the two.
- Screen:** Hurley Super-Glo 1.5 gain, perforated cinema screen. 13ft. tall X 31 ft. wide. – Suspended from theater fly system.  
Manually operated masking. Common-height aspect ratios from 1.33:1 to 2.39:1.
- Presentation:** Lectern located on stage contains inputs for laptop computer and sound. Ethernet network cable available. Wi-Fi wireless network available.
- NOTE:** If your laptop computer's video output uses any type of miniature connector such as "Mini-DVI" or "DisplayPort" you must provide an adapter ("Dongle") to convert your computer's output to 15-pin VGA.  
**The venue does NOT stock adapters.**