



Center for the Arts at NJCU
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MARGARET WILLIAMS THEATRE

Technical Specifications

Version: June 2018

Revised: July 2022

With New York City just across the river, the Center for the Arts at NJCU is a cultural hub of North Jersey, hosting guest artists and speakers in the performing, visual, film, and literary arts, alongside student presentations. These technical specifications are provided to you for better grasp of the venue. Notable recent edits to the space include a Lighting System Overhaul in the summer of 2019. Any questions about these specifications should be directed toward the Theater Manager: Anna Carhart. You can reach her by email at ACarhart@NJCU.edu.

LOBBY

A portable box off exists and usually resides at the North end of the lobby. The restrooms can be found inside the main corridor.

SEATING CAPACITY

Orchestra	792
Balcony	222
Total	1014

The house seating is reduced by 10 for NJCU event support staff. There are also 6 reserved handicap seats, two in the front row and 4 in the rear of orchestra.

LOAD IN/OUT

The loading dock can be found one flight of stairs down from the theater level. Special arrangements can be made to move units through the lobby. There is also a utility ramp that can be setup for access from audience floor to stage. The lobby has three sets of double doors with openings of __ wide × __ tall. The house has four sets of double doors with openings of __ wide × __ tall.

STAGE INFO

Plans are available in Vectorworks and PDF ($1/4$ scale). Please leave a 2" variance for all dimensions. For all critical measurements, a site survey will be required.

Proscenium

Maximum Width	55' - 0"
Max Main Drape opening	47' - 2"
Height at sides	16' - 3"
Height at peak	22' - 2"

Stage

The stage's apron consists of five flat edges each bending at $\sim 157 \frac{1}{2}^\circ$. There is limited fly space available. Two prebuilt staircases exist stage right and stage left of the apron that can be removed with a width of 4' - 0". Screwing into or painting the floor is not allowed. Use of glitter negotiable.

Overall depth	36' - 5"
Apron depth from plaster line	12' - 7"
Apron front edge width	28' - 5"
Apron total width	70' - 5"
Main drape opening maximum	47' - 2"
Stage to audience floor	3' - 0"
Batton out trim	26' - 0"
Lock rail height	10' - 6"
SR Proscenium edge to DSR Wall	8' - 6"
SR Proscenium edge to USR Wall	6' - 2"
SL Proscenium edge to SL Wall	8' - 6"
Plaster line to balcony rail	66' - 2"
Plaster line to rear wall	88' - 7"

Crossover

There is a hallway that runs behind the stage wall completely across stage at a width of 5' - 9". There are two entrances upstage on either side of the stage and audience floor entrances connecting to it.

Stage Treatments

The back wall is plaster painted white and the floor being of oak painted black. These cannot be painted.

Platforms & Accessories

Choral Risers	4 @ 3 step units
Band risers: 8" tall	5 @ 3' - 0" x 8' - 0"
16" tall	5 @ 3' - 0" x 8' - 0"
24" tall	5 @ 3' - 0" x 8' - 0"
Music Shell	7 units w/ 6 spacers Maximum width 41' - 10"
Music Stands	60 Manhasset Model 48
Chairs	80 Wegner Red Student Music Chairs
Pianos	9' Steinway Concert Grand Baldwin Upright

Soft Goods Inventory

Valance Grand Border

Dead hung to sit 14' - 6" above the stage floor, with sewn in fullness, and burgundy.

Main Drape

Set on a traveler track and rises up 15' - 4", with sewn in fullness, and colored burgundy. The fabric is removable, but the track cannot be.

Travelers

In the space we have three (3) full stage travelers. Black Velour rising up 19' - 8". They set dead hung just after line set 2, 8, and 16. The 16th is positioned just in front of the back wall. The fabric is removable, but the track cannot be.

Legs

Two (2) black velour legs hung in pairs on a traveler track dead hung 19' - 8" above stage just behind line set 11. The fabric is removable, but the track cannot be.

Borders

Three (3) black velour at 50' W x 6' H

One (1) black velour at 50' W x 8' H

Scrim

One (1) 38' W x 12' H Navy Scrim.

Screen

One (1) white projection screen at 20' W x 15' H.

AUDIO

System Overview

The sound system, installed in 1998 when the theater was renovated and updated between 2015 and 2019, consists of a Midas M32 console with Midas DL32 stage box feeding an EAW speaker system that can function in either a Left/Mono/Right or Left/Center/Right configuration. The majority of the theater's coverage is from the center cluster, consisting of a pair of bi-amplified EAW KF650e cabinets for long-throw coverage and a pair of bi-amplified EAW JF260e cabinets for short-throw coverage. Coverage is supplemented by side-fill cabinets, EAW MH300 cabinets on the upper wings of the stage, EAW JF200 cabinets on the lower wings of the stage, and EAW SL50 cabinets on the far left and right sides of the balcony. EAW SB625P subwoofers resting on the floor are employed in the far left and right corners next to the stage to supplement the low-frequency response of the system, and EV S40 speakers are used under the balcony to provide coverage in the rear of the house underneath the balcony overhang. Appropriately matched Crown MacroTech VZ series amplifiers are used to power the speakers in the system, with a Crown K2 amplifier driving the under-balcony speakers.

The center cluster speakers, subwoofers, and under balcony speakers are driven by the Mono/Center output of the Midas M32 into input 1 of a TOA DP-SP3 system processor. The DP-SP3 provides the crossover network for the center cluster and subwoofers (with appropriate low cut applied to the center cluster speakers) as specified by EAW. It also provides delay for the under balcony speakers. The side fill and balcony speakers are fed by a second TOA DP-SP3 system processor, with the Left output of the M32 feeding input 1 of the processor and sent to the House Left side-fill and balcony speakers, and the Right output of the M32 feeding input 2 of the processor and sent to the House Right side-fill and balcony speakers. No equalization is currently programmed into the DP-SP3 for these speakers, the EAW SL50 speakers in the balcony are appropriately delayed relative to the front side-fill speakers. To maintain the low frequency response of these speakers when used in a Left/Center/Right configuration, they are driven full range, with no low cut applied in consideration of the subwoofers.

Stage monitor speakers are driven by Carvin amplifiers mounted in a rack on stage left. Speaker outputs are provided downstage center, stage left, stage right, and upstage center. They are driven by auxiliary outputs on the M32 and labeled accordingly.

Mixing Console

Mixing booth is located center rear of the Orchestra Seating floor.

One (1) MIDAS M32 Digital Console

40 input channels, 32 Midas Microphone Preamplifiers, and 25 mix buses

Equipment

The sound comes equipped with four (4) Shure QLXD 4 receivers, one (1) Shure UA844 + SWB Antenna/Power Distributor, one (1) Denor DN - C635 Compact Disc/MP3 Player, and a Tripp-Lite Power Protector.

In space we have an assortment of Shure & Sennheiser instruments: SM 57, SM 58, & QLXD 1.

Four (4) JBL Cabaret 4602B Monitors free for placement.

An assortment of XLR, ¼", and SpeakON cable.

LIGHTING

Dimmers

ETC Sensor 3 Dimmer rack **120/280V 60Hz**

288 Dimmers at 2.4 kW with thru-relay switch

This is an ETC Net3 system with power over Ethernet. Theatrical lighting network taps are available in all technical locations around the various levels of the stage house and front of house positions on the balcony rail, control booth, Apron Truss, and high side positions.

Control Console

Light booth is located center rear of the Orchestra Seating floor.

One (1) ETC **Ion** Lighting Control Board with synchronized **Express** backup

House Lights

ETC Unison System controlled manually or programmable through Eos Lighting Console.

Lighting Positions

See circuit plot relative placements, and drafting package for exact locations.

1	Balcony Rail (24 circuits)
8	Coves (4 circuits)
4	High Sides Box Booms SL and SR (14 circuits)
2	Above apron Truss systems (18 circuits)
2	Gallery Rail SL and SR (8 circuits)
2	Floor Pockets DSL and DSR (4 circuits)
2	Floor Pockets USL and USR (4 circuits)
6	Overhead stage electrics (18 circuits)

Personnel Lifts

2	Genie AWP - 25S Aerial Platform (30' - 10" reach)
	An assortment of ladder

Lighting Instrument Inventory

See Attached Lighting Inventory

VIDEO

A permanent projector has been mounted just center front of the balcony rail: one (1) Sanyo PLC-HF10000L projector 100 - 240V 60Hz 380W NSHA lamp x2 (single lamp option available). In the space we also run HDMI and VGA hookups to a table off the sound booth where our video is traditionally running from.

DRESSING ROOMS

The space houses two (2) small dressing rooms backstage with the capacity to host 7 - 8 people in each. Keys are not available to checkout. The theatre manager or technical director will be made available to ensure these are open when the visiting company needs to use them.

On the same floor as the dressing rooms backstage is a bathroom with one (1) toilet, one (1) sink, and no (0) shower that is made available to cast and crew. There is also a water fountain settled near the door to the restroom.

MISCELLANEOUS AREA INFORMATION

Food

On campus there are two cafeterias: the Vodra Café located in Vodra Hall and the Student Union Café located in the Student Union Building.

Two food trucks park around the outskirts of campus. The one closest to Margaret Williams Theatre is Gus Breakfast & Lunch Truck usually found right outside the front doors of the theatre, and the second being Bill's Lunch Truck parked next to the Professional Studies Building bus stop.

Located inside the Library is also a Dunkin Donuts.

Restaurants of current recommendations: Henry Wok, Jerkin Chicken, Miss America Diner, and Georgio's Pizzeria.

Local delis: Daily Grand Express has the classic picnic sides and entrees, and Grab N' Go Deli Grocery is the stereotypical deli with warm and cold sandwiches.

Hardware

Located off of Route 440 you can find Home Depot and Lowes.

Shopping

Located off of Route 440 you can find Stadium Plaza Shopping Center and Hudson Mall

Near the university is The Thriftique Warehouse, The Salvation Army family Store, G-Ma's Thrift Shop, and Hasani's Classic Thrift Shop.

Public Transportation

Closest access to PATH trains can be found at Journal Square Station. You can find direct access here by the Buses #10 & 119 Bayonne to Journal Square Station. Bus #99S also crosses the University's area traveling from Bayonne to Port Authority Bus Terminal.

The closest light rail access point is off the Hudson-Bergen Light Rail Track at the West Side Avenue terminal.

NJC Lighting Inventory

updated 7/20/22

Type	Qty.	Lamp	Size	Note/Item Code
Lighting Fixtures				
Source 4 Ellipsoidal	202	575w	varies	
Eclipse-FS Full Color LED Ellipsoidal	12	LED		
Fresnel	2	150W	3"	
Fresnel	17	750W	6"	
Fresnel	16	1kW	8"	
Source 4 Parnel	30	575W	6.5"	
Source 4 PAR	40	575W	W/M/N/VN	
Beam Projector	8	1kW	12"	Must be tested
Scoop	6	1kW	18"	Worklights
S4 Fresnel	6			
Par 16/Birdie	8			
Par 56	11			
Chroma-Q Color Force II 72	8	LED		CQCFII 72
Altman Spectra Cyc 100 RGBA	8	LED		
ColorSource PAR Deep Blue, XLR, Black	28	LED		ETC CSP CSPARDB
Lycian StarkLite II follow spots	2	1200w		TBC - model 1272
Accessories				
Source 4 Lens Tube 14 degree	12		14°	
Source 4 Lens Tube 19 degree	60		19°	
Source 4 Lens Tube 26 degree	50		26°	
Source 4 Lens Tube 36 degree	60		36°	
Source 4 Lens Tube 50 degree	20		50°	
Eclipse-FS 50 Degree High Definition Lens Tube	12		50°	
Chroma-Q Cyc Lens for Color Force 72	8			CQCYC CF72
D40 Medium Round Diffuser	28			ETC SELRM-7.5
D40 Wide Round Diffuser	28			ETC SELRW-7.5
Altman Spectra CYC 100 Yoke	8			
Altman 510 Clamp	38			
Safety Cable 1/8" x 30" Black	46			SC
Mega-Clamp Black	38			Mega-Clamp Black
18" Side Arm	18			
6.25" Tophat (5" deep) or Half-hat/Lash	94			
7.5" Tophat (6" deep)	22			
7.5" Barndoor	TBD			Approx 15-20
Gobo Holder - A size	TBD			Plenty for inventory
Gobo Holder - B size	TBD			Plenty for inventory
Glass Gobo Holder	TBD			Plenty for inventory
6.25" Color frame	TBD			Plenty for inventory
7.5" Color frame	TBD			Plenty for inventory
Cable				
Power Supply, with US cord	1			ETC PS Lock
Powercon 15'	5			Used
Powercon 25'	10			Used
Powercon 50'	2			Used
Truel 10'	12			Used
Truel 25'	10			Used
Adapter Male Edison to Stage Pin	19			Used
Adapter Female Edison to Stage Pin	9			Used
DATAPLEX DMX CABLE: 5'	30			XLR5-005
DATAPLEX DMX CABLE: 10'	30			XLR5-010
DATAPLEX DMX CABLE: 25'	30			XLR5-025
DATAPLEX DMX CABLE: 100'	1			XLR5-100
Truel 12/3 SJ 5' Cable	4			CBL TRI-005
PowerCon 12/3 SJ 5' Cable	18			CBL PCN-005
Effects, Add-on Mechanics, Etc.				
i-Cue	2			
DMX iris	2			
Hazer	1			Must be requested in advance
Fog machine	TBD			Must be tested