



# Technical Specifications

Kuss Auditorium | Turner Studio Theatre | Community Rooms

Clark State College Performing Arts Center  
Springfield, Ohio | Time: EST

Kuss Auditorium | Turner Studio Theatre | Community Rooms  
<https://pac.clarkstate.edu>

**Revised: October 2021**

## CONTACTS

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## Mailing Address

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## Physical Address for Package Deliveries

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NOTE: All items listed may not be available at the time of your usage. Contact the Technical Director at 937.328.3863 to confirm availability.

## KUSS AUDITORIUM

### Loading and Unloading

- The Performing Arts Center has a dock with two bays located on the south end of the building.
- The bays have hand-operated mechanical leveler plates.
- Bay doors measure 7'6" x 9'9".
- Access to the Kuss stage is through loading door 7'6" x 9'9" on to the upstage left wing.
- Access to the Turner Studio is by means of the hallway behind the Kuss Auditorium or the upstage cross-over on the Kuss Stage.
- The Community Rooms are accessed through the same hallway but also by an elevator which measures 6'8" x 5'5" and has a weight capacity of 3,500 lbs.

### Parking

Parking is available for trucks and buses on the upper loading dock access road and across the street.

Overnight parking **MUST BE ARRANGED IN ADVANCE.**

There is no shore power available.

## STAGE SPECIFICATIONS

### Proscenium Opening

The opening is 28' high at the house finish side and 34' high on the stage side. The width has a maximum of 55' with a minimum of 44'.

### Stage Dimensions

The curtain line is located 1'6" upstage of the plaster line. The stage house width is 120'0" wall to wall with wing measurements of 28'0" x 45'0" stage right and 30'0" x 45'0" stage left. The distance from the back of the proscenium arch to the back wall is 45'. There is 6' from the front edge of the stage to the back of the proscenium arch (apron).

### Stage Floor

The wings are constructed of concrete. The main performance area is constructed of oak and is sprung with no traps. A "Marley" type vinyl floor covering is available.

### Orchestra Pit

The orchestra pit is a one-section elevator measuring 12'2" x 50'4", having a 50 lb. per sq. ft. load capacity. The pit has three levels: stage, audience -3'6", and orchestra -9'0", but can be stopped at any height.

### Seating

The Kuss Auditorium has a seating capacity of 1,552 persons with 549 (8 handicap) on the orchestra level, 566 on the mezzanine, 291 on the balcony, 88 box seats, and an additional 58 on the orchestra lift. The main floor and the mezzanine are accessed from the main lobby level. The balcony and box seats are accessed from the two upper lobbies.

### Grid

The grid height is 72' above the stage deck.

### Rigging

Kuss Auditorium has a single purchase system with a total of forty-four line sets, and two are motorized electrics. **THREE OF THE FORTY-FOUR SETS ARE FOR THE ORCHESTRA SHELL CEILING PIECES, AND**

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**CANNOT BE MOVED OFF THEIR BATTENS.** Two lines have the main drape and teaser on them which, also, cannot be moved. Four lines contain borders, four lines contain leg sets, one line contains a traveler and one line has a white cyc on it, these lines may be cleared if necessary with prior arrangements. This leaves twenty-eight free line sets or possible thirty-seven with the removal of the upstage soft goods. The single purchase system is located in the stage left wing. All line sets are operated from the stage main deck. There are two counter-weight loading galleries above the pin rail stage left. There are ample spot lines located throughout the stage house. All battens are 75' in length. The Loft Blocks cannot be moved.

## Main Drape

The house grand is a forest-green velour which can be used as a traveler or guillotine. This drape operates from the stage left wing.

## Stage Drapes

Kuss Auditorium has four pairs of black legs, four black borders, one full stage blackout drop, and one full stage black velour traveler. The Legs, Borders, and Blackout Drop can be hung on any available Batten. The theatre also has one white cyclorama measuring 33' x 75'.

## Lighting Equipment

The lighting inventory consists of:

6	10" 5o	1000W	FOH Catwalk 5
34	6x22" 10o	1000W	FOH Catwalk 4
30	Source4 10o	575W	FOH Catwalk 4
30	6x16" 15o	1000W	FOH Catwalk 2
30	Source4 19o	750W	FOH Catwalk 3
32	Source4 19o	575W	
35	Source4 26o	575W	
30	Source4 36o	575W	
25	Source4 25-50 Zooms	575W	
21	8" Fresnel	2000W	
20	Source4 50o	575W	
40	6" Fresnel	1000W	
9	"Iris 3" cyc light,	3 cir. @ 1000W	
10	Ground cyc	3 cir. @ 2000W	
30	PAR Holders	1000W	
40	Source4 PARs	575W	
6	Scoops	1000W	
6	Inkes	100W	
6	Nooklites	650W	

There are eight booms with a maximum of 8' height. Each wing has a flown light ladder system for side light, which runs from downstage to upstage.

## Lighting Control, Dimmers, and Circuits

The Kuss Auditorium lighting board is an **ETC Expression 3**, which can be used as a full computer memory system complete with dimmer per circuit patch and 400 cue capacity. Also available are 24 assignable sub-

master faders. The **lighting control booth** is located in the center of the rear of the house, on the mezzanine level, and is **126 feet** from the back of the proscenium arch.

There are 15 @ 6 KW and 456 @ 2.4 KW Colortran “ENR” Series dimmers. The patch is a dimmer per circuit soft patch system through the computer board. There are 471 circuits located throughout the auditorium and stage house.

The circuit breakdown consists of 98 circuits in the front of house beam positions, 11 per side in the torm positions, 4 in the orchestra pit, 297 overhead circuits, 52 stage floor pocket circuits, and 16 circuits on the walls of the stage house.

## **Additional Power**

There is one 600 amp 208 volt three-phase five-wire disconnect for lighting located U.S.L. and a 200 amp 208 volt five-wire disconnect for shore and/or winch power located U.S.L. There is a circuit transfer panel available for visiting companies U.S.L. There is DMX 512 “jump in” D.S.L. and D.S.R. to access house dimmers.

## **Follow Spots**

The follow spot booth is located at the rear of the house above the balcony level. The Kuss Auditorium has two Strong Zenon Super Trouper follow spots with six boomerangs each.

## **Communications**

There is a four-channel ClearCom system with stations available throughout the auditorium and stage house. A stage monitor and paging system is available to dressing rooms, back stage, and green room. There is also a Video monitor system to the Green Room from both the Kuss Auditorium and the Turner Studio.

## **Stacking Motor**

There is a stacking motor Up Stage Right just inside the Loading Door.

## **Back Stage Crossover**

There is a back stage crossover using the back hallway Upstage of the stage back wall.

## **Sound**

The sound booth is located on the mezzanine level in the rear of the auditorium. It is enclosed and has windows that open for mixing. There is also a mix position in the center of the house for live mixing purposes.

## **The FOH speaker system consists of the following EAW cabinets:**

L/R Stacks (per side)	2 - KF-300i 1 - SB-528 Sub
Center Cluster	2 - KF-600ix Upper for balcony 2 - KF-300i Lower for Orchestra level 1 - SB 330 Lower for Orchestra level
Front Fill	JBL “In wall” speakers across the front of the stage.
Under Balcony	Speakers are properly delayed.

Crest FA-1201 amplifiers drive all FOH speakers. A cassette deck, reel to reel tape, DAT, CD, And MD player are available for playback and recording purposes. Patching is handled through a quarter-inch phone patch bay located in the booth. This patch handles backstage feeds, projection booth feeds, dressing room feeds and other assorted zone feeds. An adequate amount of lines are available to the booth both from the stage and from various locations through the house. An assortment of high quality mics is also available (see portable equip. list). Straight and boomstands and cable are provided.

Monitor systems, additional reinforcement speakers and additional mix channels, as well as specialty equipment are not permanent in house. Additionally, 200 amp 208 volt three phase conditioner power is located U.S.R. (up stage right) for sound equipment. For additional requirements please see portable sound system section. Any additional needs are to be arranged prior to arrival for availability and interfacing purposes.

Both performance spaces have infrared hearing enhancement systems installed with T-loops or headsets available at the Box Office for patrons prior each show.

The Kuss Auditorium Center of House Mix position is 68 feet from the back of the proscenium arch. The position measures 18'6" wide and 7' deep. It is truly center of house, and not under the balcony. It has floor pockets that access an easy cable run hallways leading to backstage. It also has connections to the Kuss installed sound system. The path to Center of House is an easy push from the Loading Dock with no ups or downs.

## **BACKSTAGE SPECIFICATIONS**

### **Dressing Rooms and Green Room**

There are two principle dressing rooms, and two chorus dressing rooms. The principle dressing rooms have a capacity of two persons each and are located back Stage Right. The chorus dressing room's capacity is 12 each and are located Upstage Center. All dressing rooms are on the stage level. They are equipped with showers, toilets, sinks, mirrors and hot and cold water. One star dressing room has a phone line and can double as a production office.

The Green Room is located on the stage level and can also serve as a hospitality room. The Green Room is a shared space between the Kuss Auditorium and Turner Studio Theatre.

### **Wardrobe**

There is a wardrobe room located directly backstage. This room contains a washer and dryer, irons, ironing boards, steamers, hangers, and wardrobe racks. These facilities are for production use only.

### **Show Manager's Office**

The Show Manager's Office is located directly backstage, and is for the company in residence's use. This is a small, private office with desk, chairs and phone lines. One star dressing room can also be used as a production office. Contact the Technical Director to check for availability.

Show Manager's office telephone numbers are: 937.328.3885 (This phone line is also located in the Green Room.) 937.525.1017 (This phone line is also located in Star Dressing Room #143.) There is one internet data line in the Show Manager's Office. The Green Room has a phone line, too. 937.328.8043

WiFi access through HarborLink - free and no password required.

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## Pianos

There are two pianos available for rental. Both pianos are on wheels. Piano tunings are arranged through the Technical Director for an additional cost.

- One (1) Steinway 9 foot Model D Grand Piano built in 2001, color black
- One (1) Baldwin Hamilton Studio Piano built in 1994, color brown

## SOFT GOODS LIST

Drapery	Line Set	INV	Size	Fullness	Color	Fabric	Comments
Main Border	1	1	14'-0" x 72'-0"	75%	Forest Green	25 oz. Velour	Teaser
Main Traveler	2	2	33'-0" x 39'-6"	75%	Forest Green	25 oz. Velour	Main Drape
Legs		4 sets	33'-0" x 18'-0"		Black	25 oz. Velour	Permits 50% tie-in
Borders		4	15'-0" x 112'-6"		Black	25 oz. Velour	Permits 50% tie-in
Blackout Drop		1	4 Panels 33'0" x 18'0"		Black	25 oz. Velour	Flat
Traveler	38	2	33'-0" x 59'-6"		Black	25 oz. Velour	Flat
STG Left Tab	SLT	6	33'-0" x 6'-0"		Black	25 oz. Velour	Flat
STG Right Tab	SRT	6	33'-0" x 6'-0"		Black	25 oz. Velour	Flat
Cyclorama	44	1	33'-0" x 75'-0"		White	Lino	N/A
Electric Borders	As Req'd	18	3'-0" x 10'-0"		Black	Heatstop 1834	N/A
Scrim		1	33'-0" x 75'-0"		Black	Sharkstooth	N/A
Scrim		1	33'-0" x 75'-0"		White	Sharkstooth	N/A

## LINE SET PLOT

All Battens trim out at 68' unless noted

Line Set	Distance (U.S.) from Plaster Line	USE	NOTE
1	1'-3"	Main Teaser	Permanent
2	2'-3"	Main Drape	Permanent
3	3'-0"		
SLL	3'-9"	S.L. Light Ladders	Permanent
E1	4'-6"	1st Motorized Electric	Permanent
SLT	5'-3"	S.L. Tab	Permanent
4	6'-0"	1st Shell Ceiling	Permanent
5	6'-9"	--This pipe will bump into the Shell Ceiling at 47'0"--	
6	7'-6"		
7	8'-7"		
8	9'-4"		
9	10'-1"		
10	10'-10"		
11	11'-7"		
12	12'-4"		
13	13'-1"		
14	13'-10"		

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15	14'-7"		
16	15'-4"		
17	16'-7"	2nd Shell Ceiling	Permanent
18	17'-4"	--This pipe will bump into the Shell Ceiling at 47'0"--	
19	18'-1"		
20	18'-10"		
21	19'-7"		
22	20'-4"		
23	21'-1"		
24	21'-10"		
25	22'-7"		
26	23'-4"		
27	24'-7"		
28	25'-4"		
29	26'-1"		
30	26'-10"		
31	27'-7"	3rd Shell Ceiling	Permanent
32	28'-4"	--This pipe will bump into the Shell Ceiling at 47'0"--	
33	29'-1"		
34	29'-10"		
35	30'-7"		
36	31'-4"		
37	32'-7"	Black Traveler	Permanent
SRL	33'-4"	S.R. Light Ladders	Permanent
E2	34'-1"	2nd Motorized Electric	Permanent
SRT	34'-10"	S.R. Tab	Permanent
38	35'-7"		
39	36'-4"		
40	37'-1"		
41	37'-10"		
42	38'-7"		
43	39'-4"		
44	40'-7"	White Cyclorama	

**Line Sets marked permanent cannot be moved.** All other line sets may be moved. This line plot is subject to change. The theatre must be restored to this line plot configuration following your event.

## LINE SET LOAD CAPACITIES

	<u>LIVE</u>	<u>TOTAL</u>
General Purpose	1,847 lb.	2,119 lb.
Shell & Special	2,326 lb.	2,826 lb.
Light Ladder	1,483 lb.	2,119 lb.
Tab Masking	1,886 lb.	2,119 lb.

# Clark State Performing Arts Center | Kuss Auditorium

## PORTABLE SOUND EQUIPMENT LIST

### Equipment Availability

This list is an inventory of items available for use in BOTH performance venues, as per the requirements of the production. All items are subject to availability with respect to "in-house" production needs.

### Speakers

6	EAW FR-102H "Bookshelf" Monitors	4	EAW FR-253HR "Side Fill" Monitors
6	EAW SM-202H "Wedge" Monitors	2	EV 100s "Portable Speakers"

### Amplifiers

Crest, FA 901 series for all monitors.

### Electronics

1	Symetrix 525 Comp/Lim (Kuss FOH)	1	DBX 266 Compressor/Gate (Turner FOH)
1	Yamaha SPX-990 FX unit (Kuss FOH)	1	Alesis Microverb III FX Unit (Turner FOH)
2	Yamaha Q2031A Equalizers (Kuss FOH)	1	Alesis Microverb III FX Unit (Turner FOH)

### Consoles

1	Yamaha M 3000 40C (Kuss)	1	Soundcraft Delta 24x4x2 + 4 Matrix (Turner)
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### Portable Mixers

1	EV 6x1 powered mixer	1	Yamaha EM1620 6-Ch. Powered Mixer
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### Tape Recorder/Players

1	OTI R-R MX-50B Reel -to-Reel	1	Tascam cass. 112 R mkII (Mobile Rack)
1	Tec Turntable SL-BD22K	1	Tascam CD-301 (Kuss Rack)
1	Tascam cass. 122 R (Kuss Rack)	1	Dennon DN-M2000R MiniDisc (Mobile Rack)
1	Tascam cass. 122 R (Turner Rack)	1	Tascam DAT (Mobile Rack)
1	Tascam CD-301 (Turner Rack)	1	Shure CDP-D11 (Mobile Rack)

### Microphones

11	Shure SM58	4	SEN MD421
11	Shure SM57	2	Audix D1 Mics
4	EV RE20	3	Audix D2 Mics
6	SEN MD431-U 2	2	Audix D3 Mics
6	Crown PCC-160	1	AKG C414-TL II



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## RF System

4	Shure L4 Diversity systems VHF	4	W83A Omni elements
4	Shure LX Diversity systems VHF	4	WL84 Supercardioid elements
8	SM58 Handheld Mics 6	6	W93T Omni T elements
8	Body Packs	4	W93 Omni

## Frequencies

189.000	Mhz	RED
190.000	Mhz	WHITE
186.200	Mhz	BLUE
186.600	Mhz	YELLOW
202.200	Mhz	GREEN
192.200	Mhz	GRAY
192.600	Mhz	ORANGE
183.600	Mhz	PURPLE

## ADDITIONAL SOUND EQUIPMENT

In addition to the portable sound equipment list, the following equipment is also available for **an additional rental cost**. Contact the Technical Director at 937-328-3863 for rental prices and availability.

1 Yamaha PM 3500-48C	1 Lexicon MPX 1
1 Yamaha M 3000-40C	1 Lexicon MPX 100
1 Klark Teknik DN 3600C Digital EQ/ with Wireless Remote	10 DBX160A Single Channel
1 Klark Teknik DN 3601 C Digital EQ Slave	3 Behringer XR2000 Intelligate
1 Klark Teknik DN 6000 audio analyzer	10 DBX160A Single Channel
1 Lexicon PCM 81	D&B Audio-Teknik FOH speaker system capable of 110 Db to every seat from 20 hz to 20 khz
1 Lexicon PCM 91	

## TURNER STUDIO THEATRE

### Loading and Unloading

The Performing Arts Center has a dock with two bays located on the south end of the building. The bays have hand-operated mechanical leveler plates. Bay doors measure 7'6" x 10'0". Access to the Turner Studio is by means of the hallway behind the Kuss Auditorium or the upstage crossover on the Kuss Stage. The Community Rooms are accessed through the same hallway but also by an elevator which measures 6'8" x 5'5" and has a weight capacity of 3,500 lbs.

### Stage Dimensions

The deck is 47'-0" x 57'-0" with an overhead opening at the catwalk level is 40'-0" x 46'-6". The actual stage dimensions depend on what type configuration the seating ends up in (i.e. end stage, thrust, in the round or a cabaret). On the southeast end of the studio is a traveler track for stage drapes.

### Stage Floor

The entire floor area is a "sprung" dance floor. The floor surface is painted black masonite.

### Seating

The seating is placed on mobile riser units made by Stage Right. These units are variable height with multiple levels. There are ± 175 loose chairs available in the studio if the space is setup in its standard end stage configuration. When the user arrives, the space will be in its standard end stage configuration. At the end of your event the studio must be restored to its standard end stage configuration. The 200 chairs is the maximum amount useable in the studio if the space is setup in any other configuration, the seating capacity will be greatly reduced. Side and back safety railings are provided.

### Lighting Grid and Hanging Positions

The overhead 40'-0" x 46'-6" pipe grid is 22'-0" above the deck. This pipe grid is made up of 6' x 6' squares covering the entire overhead area. The perimeter of the room is surrounded by a catwalk with lighting positions at 19'-6" above the deck.

## LIGHTING EQUIPMENT

10	6x22"	10°	575W
10	6x16"	15°	1000W
10	6x16"	19°	575W
5	6x12"	26°	575W
10	6x09"	36°	575W
5	Source 4 25-50 Zooms		575W
4	8" Fresnel		2000W
30	6" Var.	20°-40°	1000W
20	6" Fresnel		1000W
10	PAR holders		1000W
4	Scoops		1000W
2	Inkes		100W
4	Nooklites		650W

There IS NO disconnect for road equipment.

## Lighting Controller

The lighting board is a Lee Colortran Status 24/48 with 48 channels capability. The board has 24 submaster faders. The lighting control booth is located on the catwalk at the southwest end of the studio. The booth allows a view of approximately 75 percent of the studio space.

## Dimmers

The dimmers are Colortran “ENR” Brand. There are 84 dimmers at 2.4KW located throughout the space, the grid, the balcony, 12 circuits on the floor level and 72 circuits on the grid and catwalk level.

## Sound

This description of the permanent sound system can be augmented with the items available from the portable equipment list. There will be permanently mounted speaker cabinets throughout the studio. In the control booth rack there is an equalizer, a cassette deck, a CD player and a digital effect generator. The mix console consists of 24 channel desk which can be run from the booth. A four channel ClearCom system is available for backstage communications throughout the studio. This system is common to both performance spaces. A stage monitor and paging system is available to dressing rooms, backstage and Green Room.

## Dressing Rooms and Green Room

There are two 4-6 person dressing rooms on the second floor that will serve as the primary dressing rooms for the Turner Studio Theatre. These dressing rooms are equipped with showers, toilets, makeup counters and lights. The other dressing rooms in the facility can also be used for an additional fee if prior arrangements are made and they are available.

The Green Room is located on the stage level and can also serve as a hospitality room.

## Wardrobe

There is a wardrobe room located directly backstage. This room contains a washer and dryer, iron, ironing board, steamers, hangers, and wardrobe racks. These facilities are for production use only and are shared by both performance spaces.

NOTE: All items listed may not be available at the time of your usage. Contact the Technical Director at 937.328.3863 to confirm availability.

## SOFT GOODS LIST

Draperies	Inventory	Size	Color	Fabric	Comments
	8	12'-0 x 15'-0"	Black	25 oz Velour	Permits 50% tie-in
	10	21'-9 x 15'-0"	Black	25 oz Velour	Permits 50% tie-in
Cyclorama	1	21'-9 x 75'-0"	White	Lino	

## COMMUNITY ROOMS

### Loading and unloading

The Performing Arts Center has a dock with two bays located on the south end of the building. The bays have hand-operated mechanical leveler plates. Bay doors measure 7'6" x 10'0". Access to the Turner Studio is by means of the hallway behind the Kuss Auditorium or the upstage crossover on the Kuss Stage. The Community Rooms are accessed through the same hallway but also by an elevator which measures 6'8" x 5'5" and has a weight capacity of 3,500 lbs.

### Access

The public access to the community rooms is via the elevator or stairwell in the Turner Studio lobby. A stairwell just off the loading dock serves as the service entrance.

### Room Dimensions

The community room may be used as one large 60' x 27' room or can be divided up into three smaller rooms of 20' x 27'. These rooms are intended to be used for meetings, receptions and two of the three rooms have a "sprung" dance floor for dance class or warmup. These rooms have a ceiling height of 18'-0".

### Seating and Tables

The facility has loose chairs and tables for use in these rooms.

### Lighting

This space comes with standard architectural lighting, anything beyond that can be accomplished with the use of portable equipment. Contact the Technical Director for details.

### Sound

The sound may also be reinforced with the use of portable equipment from the portable sound system

### Catering Prep Room

There is a catering prep room adjacent to the community rooms on the second floor.

### Restrooms

Men and women's restrooms are adjacent to the community rooms.

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