

Technical Production Packet for the Studio Theater





College of Lake County

19351 West Washington Street, Grayslake, IL 60030

Technical Coordinator: 847-543-2687 Technical Production Assistant: 847-543-2835



Welcome to the James Lumber Center for the Performing Arts!

The James Lumber Center (JL Center) and its staff are looking forward to working with you in support of your production. The JL Center has a wide range of support services to ensure your production's success. Contained within this packet are listings of JL Center equipment, various maps, layouts, and directions, as well as contact information for JL Center Staff. This packet is designed to serve as a reference tool for our facilities, and we encourage you to contact us with any questions you might have. Thank you and have a great show!

JL Center Website: http://www.jlcenter.clcillinois.edu/

Technical Production Contacts:

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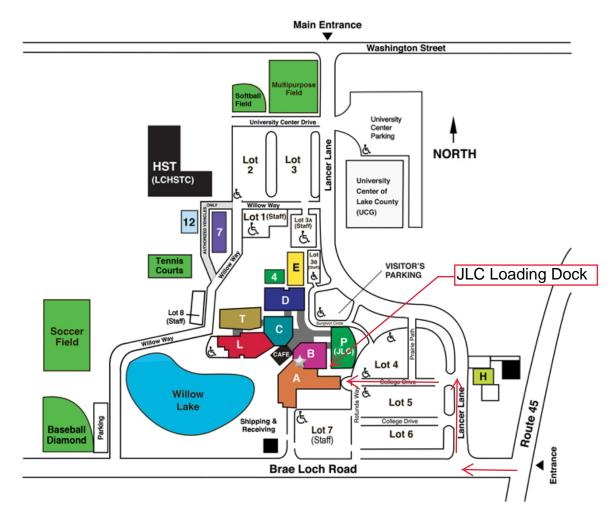
Pete Hansen-Technical Production Assistant (Audio) (847) 543-2835 ofc. (847) 421-7529 cell <u>phansen1@clcillinois.edu</u>

Transportation, Lodging, Hospitality Contact:

Alisa Baum-Executive Director (847) 543-2685 abaum1@clcillinois.edu



Grayslake Campus





Directions to James Lumber Center Loading Dock -Access Road is 1-Way only -Shore Power Available for 1 bus in dock. -Staff may enter through the service door (labeled P3)

College of Lake County





View of JL Center Loading Dock Door Dimension: 11'-11" Wide by 11'11" High 100-amp shore power available



View from USC Loading Doors to Studio Theater Door Dimensions: 14' Wide by 16' High

Large items most load in through Scene Shop to access Studio Theater. Narrowest doorway through Scene Shop is 10' Wide by 16' High



Stage Specifications for Studio Theater

Stage Dimensions:

Proscenium: 55'-0" W by 28'-0" H Plaster Line to Back Wall: 14'-10" Plaster Line to DS Edge of Upper Stage: 7'-11" Stage Right Wing: 16'-7" W (Proscenium to SR Stairs) Stage Left Wing: 16'-3" W (Proscenium to SL Flyrail Lower Stage Depth: 17'-6" (with stairs along front of upper stage leading down 2'-7" to lower stage) Lower Stage Width: 33'-0" Thrust Stage: 13'8" D by 17'-1" W. The Thrust is made up of the middle section of the lower stage and can be raised 2'-7" to extend out from the upper stage, or removed completely to a create a small orchestra pit 5'-7" below the lower stage level Back Wall of Theater to Back Wall of House: 55'-6" Back Row of Seats is 8'-0" above stage level Floor Surface: 1/4" Masonite with black satin finish. Crossover: Hallway located directly behind back wall of theater. Under Seating Vohm: Runs from stage left to stage right under audience seating. Also has one entryway DSC on the thrust via ramp.

Fly System:

-Single purchase manual counterweight system

-28 total linesets (23 over stage, 3 over apron, 2 over lower stage/thrust)

-2 sets of black masking legs and 2 black borders

-Grand Drape is Jade Green and can guillotine only.

-Black Mid Stage Travelor that can also guillotine.

-White Cyclorama (64' W by 32' H)

-Black Sharkstooth Scrim (64' W by 32' H)-flexible placement

-Full Stage Black (flexible placement)

Hanging Positions for Lighting:

FOH

-Catwalk 1: Located Proscenium Left, 26'-0" H, w/ lower bar at 28'-6" and upper bar at 31'5"

-Catwalk 2: Located House Right, 26'-0" H, w/ lower bar at 28'-6" and upper bar at 31'5"



Hanging Positions for Lighting (cont.)

FOH cont.

-Catwalk 3: Located Back of House, 26'-0" H, w/ lower bar at 28'-6" and upper bar at 31'5"

-Catwalk 4: Located House Left, 26'-0" H, w/ lower bar at 28'-6" and upper bar at 31'5"

-Catwalk 5: Located Proscenium Right, 26'-0" H, w/ lower bar at 28'-6" and upper bar at 31'5". This catwalk also serves at the loading gallery for the apron and thrust flylines. -Catwalk 6: Located Proscenium Center, 28'-0" H, w/lower bar at 30'-6" and upper bar at 33'-5".

-Catwalk 7: Located Thrust Left, 26'-0" H, w/ lower bar at 28'-6" and upper bar at 31'5" -Catwalk 8: Located Thrust Center. 26'-0" H, w/ lower bar at 28'-6" and upper bar at 31'5"

-Catwalk 9: Located Thrust Right, 26'-0" H, w/ lower bar at 28'-6" and upper bar at 31'5"

-House Rail: Once continuous run of pipe running house left to house right along back wall of auditorium. Pipe is 8'-0" above audience walkway, and 16'-0" above stage level.

On-stage:

-2 dedicated electrics with 30 circuits shared between the two.

-2 light ladders (1 stage right and 1 stage left with 6 circuits on drop boxes shared between them

Power Distribution:

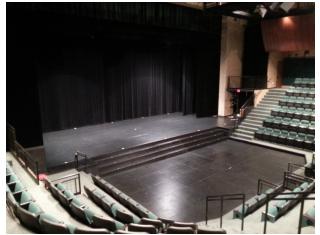
-268 Dimmers (192 for stage use and 76 for architectural use) rated at 2.4kW -Various 20amp 120v Edison Stage circuits located around upper and lower stages. -(1) 100amp 3 phase disconnect in a weatherproof box located in the loading dock for shore power.



Studio Line-Set Schedule

Line-Set # and Content	Distance from Proscenium
1: Open (40' batten length)	0'-6 1/2"
2: Grand Drape (64' batten length)	1'-1 1/2"
3: Open (40')	1'-8 1/2"
4: Legs #1 (64')	2'-4 1/2"
5: Open (64')	2'-10 1/2"
6: Stage Right Light Ladder	
7: 1 st Electric (40')	4'-0 1/2"
8: Open (40')	5'-2 1/2"
9: Black Travelor (64')	5'-9 1/2"
10: Open (40')	6'-4 1/2"
11: Border #2 (64')	6'-11 ½"
12: Legs #2 (64')	7'-6 1/2"
13: Open (64')	8'-1 1/2"
14: 2 nd Electric (40')	9'-3 1/2"
15: Stage Left Light Ladder	
16: Open (40')	10'-5 ½"
17: Open (64')	11'-0 ½"
18: Open (40')	11'-7 ½"
19: Open (64')	12'-2 ½"
20: Open (40')	12'-9 ½"
21: Full Stage Black (64')	13'-4 ½"
22: Open (40')-Unusable due to cyc	13'-11 1/2"
23: Cyclorama (64')	14'-6 1/2"
Over Thrust Line-Set# and Contents	Distance from Proscenium
24: Open (54)	
26: Open (54')	-2'-5 ½"
27: Open (54')	-3'-11 ½"
28: Open (54')	-5'-5 ½"
29: Spare Arbor	
30: Spare Arbor	
31: Spare Arbor	
32: Spare Arbor	
33: Open (18')	-20'-5 ½"

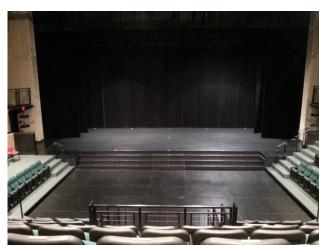




Stage w/ Thrust lowered



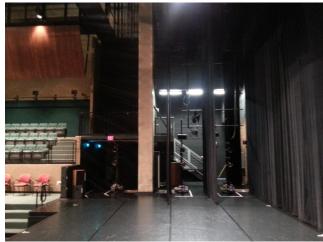
Stage w/Thrust raised



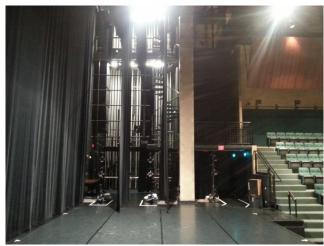
Stage w/Thrust lowered



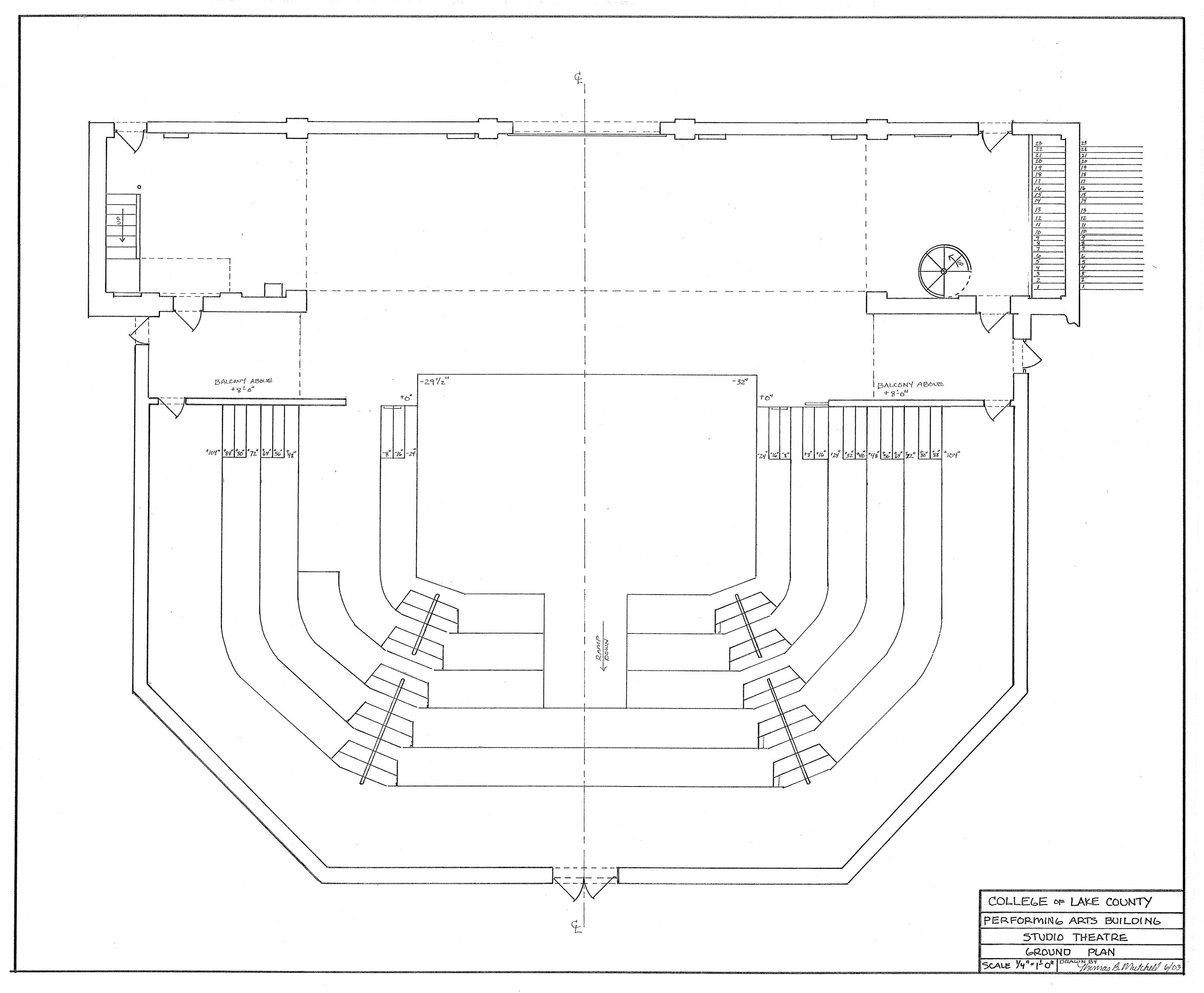
Stage w/Thrust raised

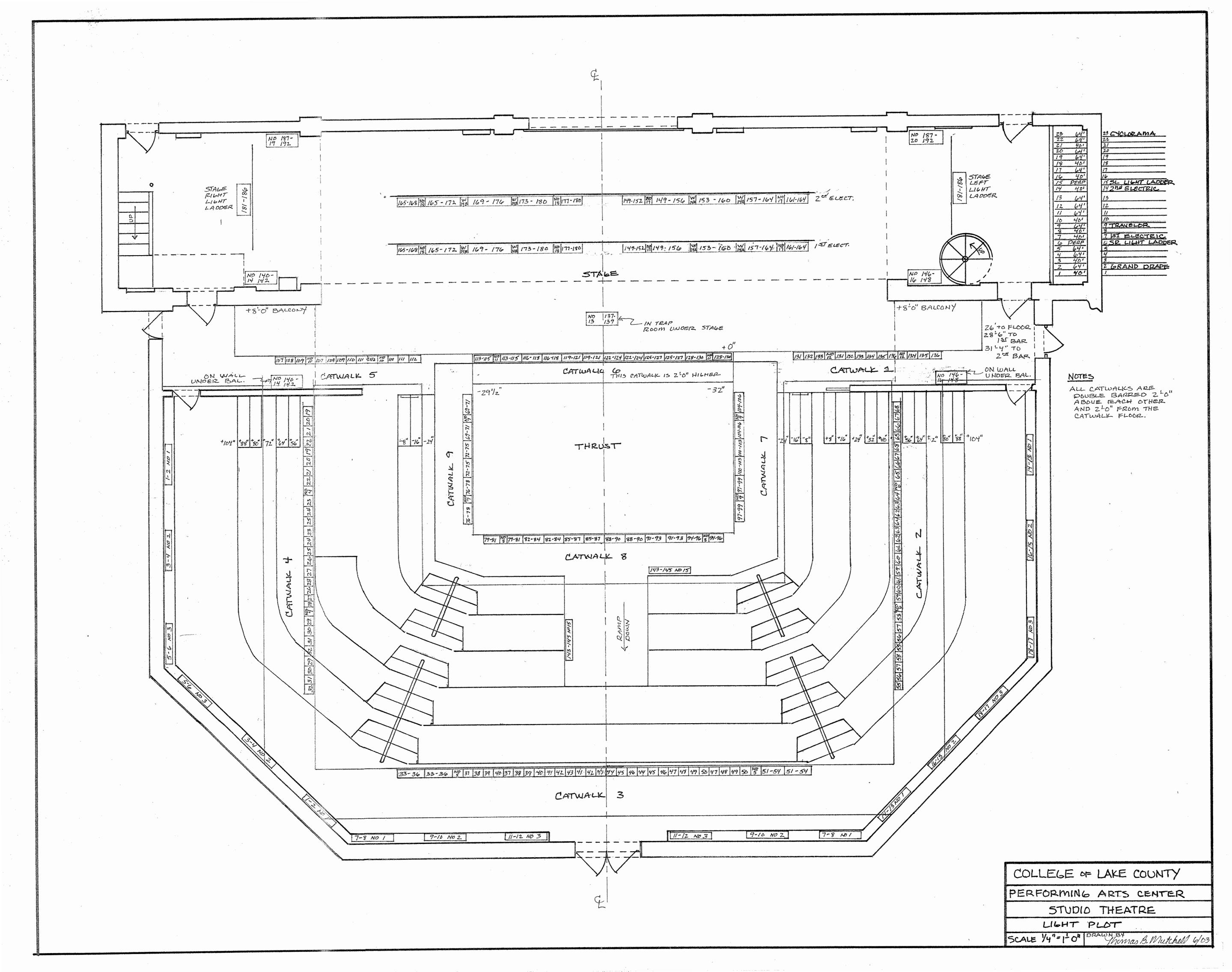


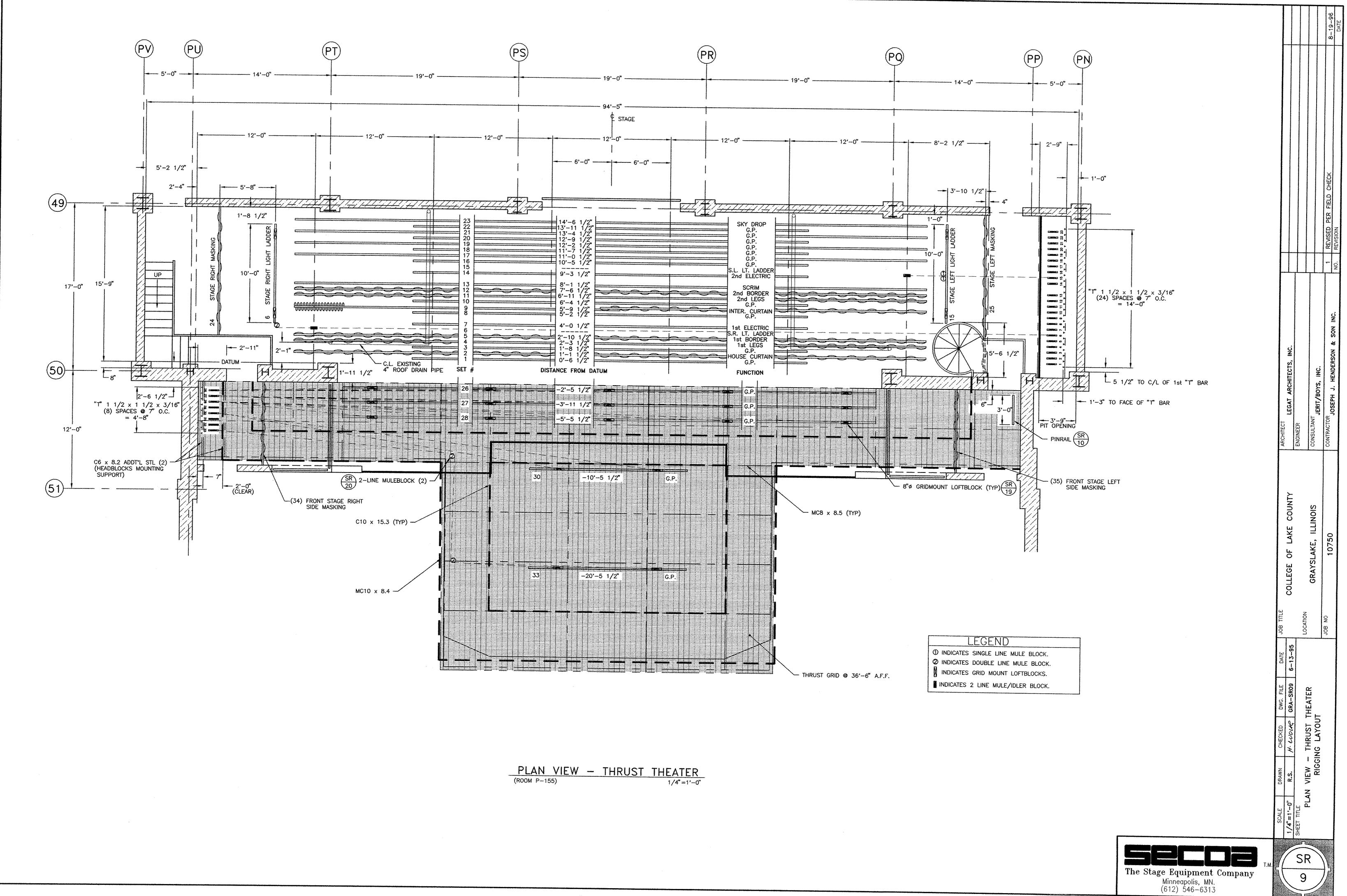
Stage Right

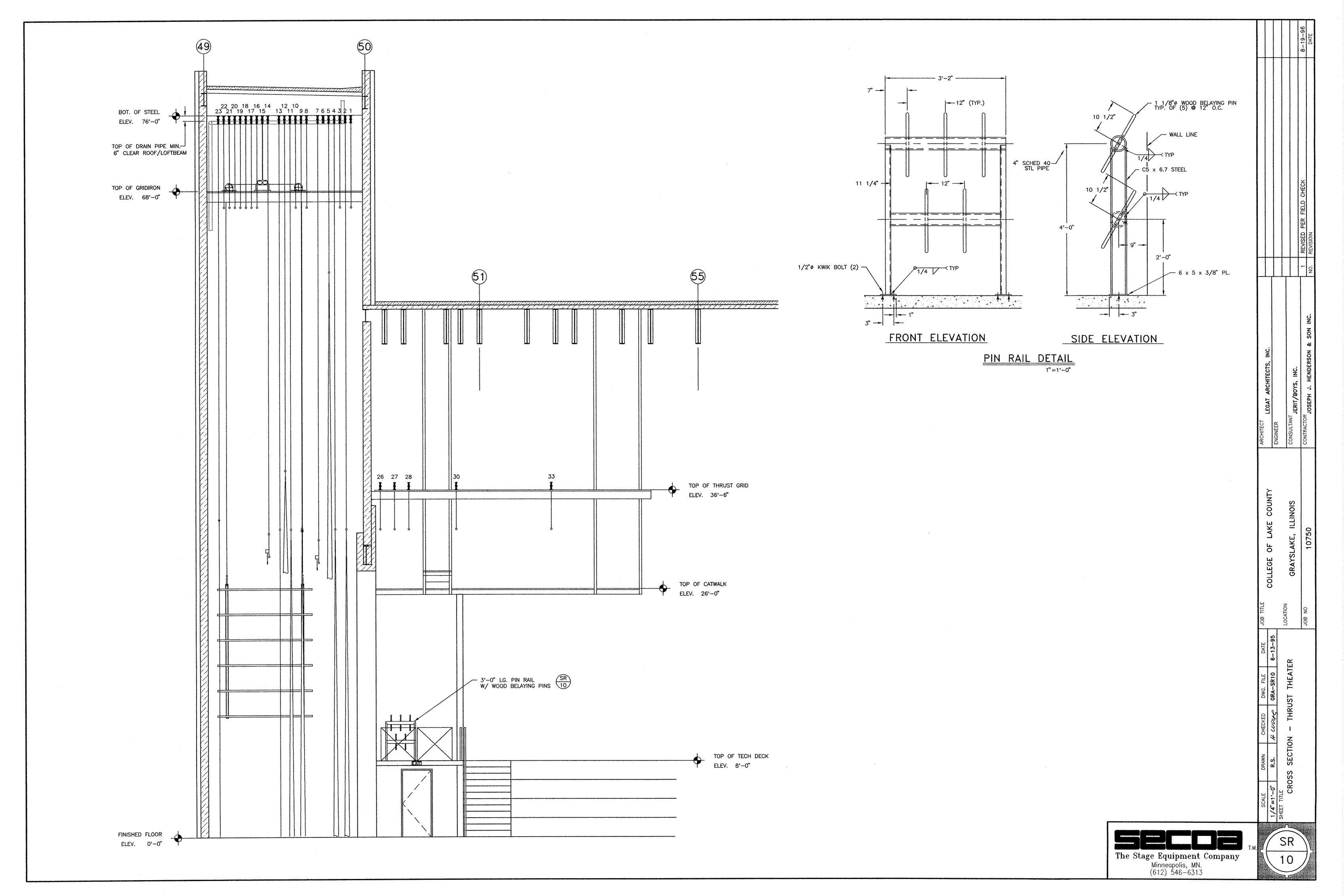


Stage Left



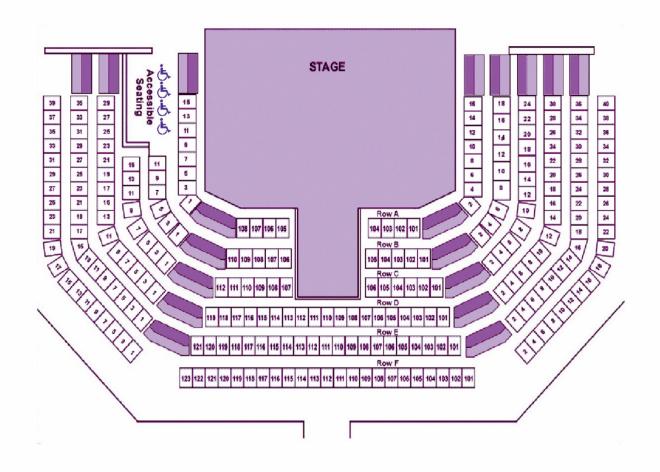








Studio Theater Seating Plan





Lighting, Effects, and Projection Inventory for James Lumber Center

Note: All instrumentation has 3 pin stage connectors unless otherwise noted.

Intelligent Fixtures

(2) Rosco I-Cues-uses (1) shared power supply

Ellipsoidals

--ETC Source 4 750's (only 575w HPL lamps are available) (6)- 5 degree (10x23) (8)- 10 degree (8x13) (45)- 14 degree (6x22) (64)- 19 degree (6x16)-blue lens barrel (69)- 26 degree (6x12)-white lens barrel (84)- 36 degree (6x9)-yellow lens barrel: 4 of these are the older style and can only be lamped up to 575w (4)- 50 degree (4.5x6)-red lens barrel (2)- 50 degree lens train

Fresnels

--Strand Series (11)- 6" fresnel (1kW BTR lamps) (24)- 8" fresnel (2kW BVW lamps) --Altman Series (8)- 3" inky fresnel (100w lamps) 4 w/Edison connectors and 4 w/stage pin connectors

PAR cans

--ETC Series (120)- Source 4 EA PARs w/all 4 lenses (HPL 750w lamps)

Cyc Lights

--Strand Iris 4 Series (20)- 4-circuit cyc lights (1kW FFT lamps)



Strip Lights

--Altman R40 Series
(12)- 4 circuit strips (250w flood lamps)
--Altman ZS-4 Zip Strips
(6)- 4 circuit strips (75w EYC lamps)

Follow Spots

--No Follow Spots are available for the Studio Theater

Accessories

- (4) City Theatrical ShowBaby 5 DMX Transceivers (5 pin DMX)
- (1) Doug Fleenor Design DMX Iso-Splitter (1 in, 5 out, 5 pin DMX)
- (1) Bakerwood Lite Industries DMX Controllable Projector Dowser
- (13) Source 4 drop in irises
- (32) 6-1/2" stacker top hats
- (12) 7-1/4" top hats
- (12) 10" top hats
- (28) 7-1/4" barn doors w/color slot- 4 way
- (14) 7-1/4" barn doors w/o color slot- 4 way
- (4) 7-1/4" barn doors w/ color slot- 2 way
- (12) 10" barn doors w/o color slot- 4 way-for 8" fresnels only
- (53) 6-1/2" donuts for Source 4 ellipsoidal
- (8) 7-1/4" donuts Source 4 14 degrees
- (10) 50lb round base stand for light booms
- (4) 50lb square base stand for light booms
- (2) 6'-3" boom pipe
- (4) 7'-0" boom pipe
- (7) 11'-0" boom pipe
- (10) 10'-6" boom pipe
- (24) 15" sidearms with one tee
- (18) 18" sidearms with one tee
- (8) 24" sidearms with two tee's



Cable

-Various lengths of #12/3 SO cable with a variety of adapters, two-fers, and three-fers

Lighting Boards

-- The Mainstage Theater uses the ETC Ion XE20 console with 1024 channels and 1024 outputs. It has two 22" touch screen monitors, mouse and keyboard. The console is connected via sACN to lighting system with a 7" Unison Touchscreen available for architectural lighting control.

-- The Studio Theater uses the ETC Ion XE20 console with 1024 channels and 1024 outputs. It has two 24" touch screen monitors, mouse and keyboard. The console is connected via sACN to lighting system with a 7" Unison Touchscreen available for architectural lighting control.

--Laptop with ETC Nomad widget and dongle and separate 19" screen monitor is available for use at designer table at FOH

Effects

(1) Ultratec Radiance Hazer-DMX controllable

- (2) 8" Mirror Balls w/single speed motors
- (4) American DJ Egg Strobes w/rate control

Please note that Village of Grayslake Ordinance prohibits the use of pyrotechnics in the James Lumber Center

Projection

****All video playback via PowerPoint and/or Q-Lab Software****

(1) Sony VPL-FH2700L WUXGA (1920x1200) Laser Projector-7000 ANSI Lumens. Has lens shift, corner and edge correction and image warping. Has a zoomable lens that is

interchangeable (2.02:1 – 2.67:1. Has inputs for HDMI, DVI, SDI, and VGA.

(1) Christie LW555 WXGA (1280 x800) LCD Projector-5500 ANSI Lumens. Has a zoomable lens that is interchangeable (1.70:1 – 2.89:1). Has input for HDMI, DVI, Composite, and VGA (1) NEC NP401W WXGA (1280x800) LCD Projector-4000 ANSI Lumens. Has a zoomable lens that is not interchangeable (1.36:1 – 2.26:1). Has inputs for HDMI, S-Video, Composite, and VGA

(1) HP 15" ProBook Laptop (I7 dual core w/16GB RAM and 120GB SSD) w/ Windows 10 and Office 2016, DVD/RW drive and display port output

-White Cyclorama (64' H by 32 W Leno Filled Scrim) is the only projection surface in the Studio Theater



Circuit Schedule for Studio Theater

Stage Lighting Circuits

House Rail: 1-18 Catwalk Four: 19-32 Catwalk Five: 33-54 Catwalk Six: 55-68 Catwalk Seven: 69-78 Catwalk Eight: 79-96 Catwalk Nine: 97-106 **Catwalk Three:** 107-112 Catwalk Two: 113-130 Catwalk One: 131-136 Trap Room: 137-139 SR Vohm/SR Proscenium Wall: 140-142 Center Vohm/Thrust: 143-145 SL Vohm/SL Proscenium Wall: 146-148 1st and 2nd Electric: 149-180 SL and SR Light Ladders: 181-186 USL and USR Wall Pockets: 187-192

Architectural Lighting Circuits

House Lights : 193-203 Circulation Lights: 205-209 Decorative Lights: 210-213 Platform Lights: 214-215 Lecture Lights: 217-228

Non Dims (229-248)

239 ND 11 Prosc. Catwalk SC
240 ND 12 Prosc. Catwalk SL
241 ND 13 Pit/Light Booth
242 ND 14 DSR Vohm/Prosc.
243 ND 15 Center Vohm/Thrust
244 ND 16 DSL Vohm/Prosc.
245 ND 17 1 st /2 nd Elec. SR
246 ND 18 1 st /2 nd Elec. SL
247 ND 19 USR Wall
248 ND 20 USL Wall



Architectural Lighting Circuits cont.

Work Lights [Non-Dimmable] (249-268)

259 WL 12 Loading Bridge
260 WL 13 Gridiron
261 WL 14A/B 1 st /2 nd Electrics
262 WL 15 Vohm Crossover
263 WL 16 SR Wing
264 WL 17 SL Wing
265 WL 18 Trap Room Approach
266 WL 19 Trap Room
267 WL 20 Rigging Pit
268



Studio Audio System

- 1) 2-way PAS system powered by Ashly and Crown
 - a) System Hi-Pass at 50 Hz
 - b) Hi-Mid Crossover at 1.3 kHz
 - c) 6 PAS PI-152A with 15" coaxial woofer powered by Crown ComTech 1600 and 2"

compression driver powered by Ashly FTX 1501 Series II

- d) 3525 Watts total in system
- e) System processing by BSS Z-Blu London 16
- f) System flown under inside catwalk
- 2) Yamaha LS9-16
 - a) 16 channels
 - b) 16 Mix /8 Matrix/LCR, Stereo, & Mono Config
 - c) 12 Omniouts
 - d) 8 virtual rack spaces
 - i) Combination of 4 FX and 4 Graphic EQ slots
 - e) Fully Parametric 4 band EQ
 - f) Programmable Scenes with recallable Head Amps
 - g) USB recorder/player
- 3) Effects Playback Speaker System
 - a) 2 JBL 4652 with 1" Horn Driver and 12" Woofer passively crossed over at 2 kHz
 - b) 2 cabinets are flown on the back wall of the House underneath the Tech booths
 - c) Powered by 1 Ashly CFT 1800
 - d) 200 Watts each



Studio Audio System cont.

- 4) Monitor System
 - a) 4 EV 1202 2-way passive with 12" woofer and 1" HF driver
 - b) 300 Watts each
 - c) Powered by 4 Ashly CFT 1800



Audio Equipment Inventory

Generic Name	Brand & Model Number	Total
Condenser Microphone	AKG C414 B-ULS	4
Condenser Microphone	AKG C535 EB	2
	Audio-Technica	
Dynamic Microphone	ATM41HE	4
Ribbon Microphone	Beyerdynamic M160 NC	3
Dynamic Microphone	Beyerdynamic M88	1
Boundary Microphone	Crown PZM-6D	4
Dynamic Microphone	EV RE11	1
Dynamic Microphone	EV RE16	2
Dynamic Microphone	EV RE27	2
Dynamic Microphone	Sennheiser MD 42111	4
Dynamic Microphone	Sennheiser MD 43111	4
Dynamic Microphone	Sennheiser MD 441-U	2
Dynamic Microphone	Sennheiser 835-S	3
Dynamic Microphone	Sennheiser E604	3
	Shure Microflex podium	
Condenser Microphone	mic (MX418)	2
Dynamic Microphone	Shure SM57-LC	6
Dynamic Microphone	Shure SM58-LC	6
Condenser Microphone	Shure SM81-LC	6
Condenser Microphone	Shure SM87-LC	2
Condenser Microphone	Shure Beta 91a	1
Condenser Microphone	Shure KSM 27	2
Condenser Microphone	Behringer ECM-8000	1
Boundary Microphone	Crown PCC-160	5
Hanging Mic (Cardiod or Hypercardiod)	Audio-Technica U853R	4
Shure Wireless	ULXD2 G50 (470-	4
Transmitter	534 MHz)	
Handheld	B58's	
Shure Wireless	ULXD1 G50 (470-	4
Transmitter Beltpack	534 MHz)	
Shure Wireless	ULX P J1 Band	5
Transmitter	(554-590 MHz)	
Handheld	SM58's	
Shure Wireless	ULX P J1 Band	7
Transmitter Beltpack	(554-590 MHz)	
Shure Wireless	ULXD4Q G50Band	
Receiver	(470-534 MHz)	1
Shure wireless	ULX P J1 Band (554-590	7

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Receivers	MHz)	
Antenna Splitter/Power		
Distro	Shure UA844SWB	4
Directional Antenna		
Paddle	Shure UA870USTV	4
Countryman lav mic	B6W5FF05LSL	14
Countryman headset		
mic	E6XOW5T1SL	2
Shure lav mic	WL50	1
Shure lav mic	WL93	3
Playback Computer	2017 iMac 21.5" w/ Qlab	2
Audio interface	RME Fireface UC	1
Audio interface	PreSonus Studio 26	1

Passive DI Box	Whirlwind PC DI	2
Passive DI Box	Whirlwind IMP 2	1
Passive DI Box	Whirlwind Director	4
Passive DI Box	Radial Pro D2	2
Active DI Box	Radial JDV-MK3	1
Passive DI Box	Radial JDI-MK3	2
Active DI Box	Countryman 85	1

Sound Console	Midas Verona 480	1
Sound Console	LS9-32	1
Sound Console	LS9-16	1
CD Player	Denon DN-C680	1
CD Player	Denon DN-C640	1
CD Recorder	HHB BurnIT Plus	1
EFX Unit	Lexicon MPX 1	1
Delay Unit	T.C. electronic D-Two	1
Compressor	dbx 1046	2
Headphones	Sony MDR 7506	1
Equalizer	Klark Teknik DN360	3

Stage Monitors	Yamaha Nexo PS10R2	8
Fills	EAW JF60z	2
Front Fills (Mainstage Only)	D&B E6	4
	Ultimate telelock TS-90B	
Speaker Stands	Ultimate telelock TS-90B black	4
Speaker Stands Speaker Stands		4



Short Tripod Mic.		
Stand w/ boom	AKG\K&M	12
Tall Tripod Mic. Stand		
w/ boom	AKG\K&M	16
Table Top Mic. Stand	Atlas	4
Tall Round Base		
Mic. Stand	Atlas	6
Tall Round Base	K&M	3
Clutch Mic. Stand		

	Whirlwind 150' 32/10	
Snake	Channel	1
	Whirlwind 100' 16/4	
Snake	Channel	1
Snake	Whirlwind 50' 16ch	1
Snake	Whirlwind 50' 12ch	1
Snake	Whirlwind 50' 6ch mini	1

Intercom Base Station	Clear-Com MS222	3
Intercom Speaker		
Station	Clear-Com PL Pro RM220	2
	Clear-Com gooseneck	
Basestation Microphones	mics	5
Intercom Beltpack	Clear-Com R\$501	18
Intercom Headset	Clear-Com CC85	18
Wireless Intercom	Pliant Technologies	
Base Station	Crewcom 900 Mhz	1
Wireless Intercom	Pliant Technologies	6
Beltpack	Crewcom 900 Mhz 2 ch	
	packs	

Drum Shield	Clear Sonic AR5-5	1
5'x2' Acoustic absorber	Clear Sonic S5-2	2
4'x2' Acoustic absorber	Clear Sonic S4-2	2
2'x2' Acoustic absorber	Clear Sonic S-2	4

Grand Pianos from Mainstage are not available for use in Studio Theater



Dressing Rooms

-Men's, Women's, and Chorus Dressing Rooms are located upstage right of the Studio Theater

-Star Dressing/Green Room is located 75 feet from up stage left of the Studio Theater -All Dressing Rooms have selectable program feed and paging capabilities -Men's, Women's, and Star Dressing rooms are equipped with costume racks, make-up mirrors/lights, showers (one per space), sinks, and toilets. Men's and Women's also have lockers available for storage. (user must provide their own lock)

-Green Room has lockable cabinet available to store and secure personal items if needed -Chorus Dressing Room is equipped with costume racks, makeup mirrors/lights, and sink -Additional Dressing Room space can be added in Experimental Theater (when available) by using portable partitions, tables, chairs, and mirrors. The Experimental Theater is located approximately 50 feet from upstage left of the Studio Theater.

Men's Dressing Room:



-Makeup stations for 4 persons. Can comfortably hold 6 to 8 persons

Women's Dressing Room



-Makeup stations for 4 persons. Can comfortably hold 8 to 10 persons



Chorus Dressing Room



-Make up stations for 20 persons. Can comfortably hold 26 to 30 persons

Star Dressing Room



-Makeup stations for 2 persons. Can comfortably hold 3 persons.



Hospitality Spaces

-Green room is equipped with sofas, chairs, and conference table with chairs for 10, telephone, sink, microwave, and refrigerator.

-Lockable cabinet available for secure storage of personal items if desired -Wi-Fi is available in the Green Room, Mainstage Theater or Lobby Spaces



Green Room (Star Dressing is attached)



Experimental Theater-Can be used as alternate hospitality or dressing room space. For dressing room usage, partitions, tables, chairs, mirrors, and rugs are available.