McMahon Memorial Auditorium Technical information

Rev.12/06/19

GENERAL INFORMATION

Staff

Administrator Billie Whipp Phone 580-581-3472 FAX 580-581-3473

Email bwhipp@lawtonok.gov

Mailing Address

McMahon Memorial Auditorium City of Lawton PO Box 522 Lawton, OK 73502-0522

Website

https://www.lawtonok.gov/departments/mcmahon-memorial-auditorium

ADA Accessibility

The auditorium is wheelchair accessible thru the main entrance as are restrooms on the ground floor. Seating is available in the main level, but there is no access to the balcony.

Access to the stage and dressing rooms is via an ADA compliant ramp at the exterior stage door entrance.

Emergency Information

Comanche Country Memorial Hospital 3401 W. Gore Blvd. Phone: 355-8620

Parking/Travel Directions

Cars should park near the rear of the building in the main lot.

Trucks should use the loading dock at the northwest corner of the building.

The auditorium is located 6 blocks west of the I-44 downtown Lawton exit (2nd Street),

between the Museum of the Great Plains and Lawton High School. See our website for further information.

Crew

Please see the "Rental Info" tab on the website for current labor rates.

House Policies

Smoking is not permitted anywhere in the auditorium or within twenty-five (25) feet of any exit or entrance.

Weapons of any kind are prohibited.

Use of the auditorium marquee is not included with rental of the auditorium.

A short message may be placed on the marquee announcing the event at the sole discretion of the auditorium staff.

The beverage and food concession is owned and operated by the venue.

No alcoholic beverages are allowed without prior approval of the venue and City officials and all required licenses and permits.

No food or drink are allowed in the seating area except bottled water.

Fastening into the stage floor is not permitted.

Auditorium Coordinator Andrea Morman Phone 580-581-3472 FAX 580-581-3473

Email amorman@lawtonok.gov

Shipping Address

McMahon Memorial Auditorium City of Lawton 801 NW Ferris Ave. Lawton, OK 73507

For fire and other emergency situations call 911.

Southwestern Medical Center

5602 SW Lee Blvd. Emergency Dept.: 531-4756

CARPENTRY

Seating:

Total: 1477

Stage Dimensions

Proscenium Opening:

Usable stage width at PL is 41'-0" due to speaker system mounted to the proscenium.

Plaster Line (PL) to Upstage Wall:

Plaster Line to Downstage Lip of Stage:

Plaster Line to Cyc Pipe:

Stage Floor to Gridiron:

Stage Floor to Orchestra Pit Floor:

Orchestra Pit Depth (from House Floor):

Lock Rail SR to SL Wall:

SR Wing Space (offstg edge of legs to lock rail):

SL Wing Space (offstg edge of legs to AC ducts):

Stage Floor

3/4" maple (painted black) over a 3/4" subfloor on 2x4 sleepers laid flat.

Fastening into the floor is not permitted. There are no traps cut.

Loading Docks

The primary loading dock is located SR just off the parking lot at the north side of the building.

There is an electric dock lift which goes from ground level 3'-1 1/2" to dock level.

The lift has a permanent railing that restricts castered boxes to 5'-6 1/2" maximum width.

The exterior dock door opening is 7'-11" wide x 8'-11" high and transitions via a steel floor plate to the interior loading door which is 7'-11" wide x 9'-6" high and opens directly on to the stage.

There is an ADA-compliant ramp next to the dock lift which accesses the stage door entrance.

A secondary loading dock is located SL and is $3'-6 \frac{1}{2}$ " above the ground with an exterior door measuring 7'-11" wide x 8'-11" high.

Loads must then access the stage via a storage room and opening measuring 7'-11" wide x 9'-6" high.

SOFT GOODS

Main Valance:

Main Legs (on same pipe as Valance):

Main Drape:

Concert Curtain:

Mid-Stage Curtain:

Borders:

Leas:

Upstage Curtain:

Cvc:

Other Stock Soft Goods

(See Seating Chart Appendix A)
Main Floor: 679 Balconv: 798

(See Groundplan Appendix B & Section Appendix C)

49'-8" wide x 19'-9" high

36'-1" 4'-8" 31'-4"

50'-0"

6'-01/4" 2'-4"

89'-7"

13' clear approx.

13' clear approx.

(see Lineset Schedule Appendix D)

Red Velour, Fixed height

Red Velour, on short sections of curtain track

Red Velour, Draw or Fly

White Velour, Draw or Fly

Gold Velour, Fly only

4, Black Velour

5 pair Black Velour Black Velour, Draw or Fly

White Muslin, straight

4 pair Black Velour Legs, 22'-6" H x 12'-0" W

LINESETS/RIGGING Fly System: Gridiron Height (Wood; not a full grid): Gridiron Access is USR via caged ladders and Loading Gallery Loading Galleries (2): Battens: Working Height of Battens: Lock Rail Location: Orchestra Shell: Note: Main Drape, Electrics, Orchestra Shell, and Travelers cannot be moved.
Rigging Equipment:
LIGHTING Dimming and Control Company Switch #1 (located USR): Company Switch #2 (located DSR): Electrical Distribution On-stage Electrics
FOH Catwalk Other: All circuits are 20A non-dim All Edison connectors except one Edison, Stage Pin, and Twistlock per circuit on Balcony Rail and SL & SR US/DS Wing pipes. Console:
Console Location: Control Protocol: ETC Response 4-port Net 3 Gateway Locations (Net 3 to DMX) Houselights:
Houselight Control Locations:
Front of House Positions:
Fixture Inventory:

(see Lineset Schedule Appendix D) 30-batten Single Purchase Counterweight with Wire Guides 50'-0"

8'-0"and 15'-6" below Gridiron 1 1/2" Sched. 40, 60' long 5'-1" at Low Trim/ 44'-0" at High Trim Stage Right at Stage Level 3 linesets: 2 ceiling + 1 rear wall

Genie AWP-30S Personnel Lift; Various Stepladders Louisville Fiberglass 12' Extension Trestle Ladder

(see Light Plot Appendix E & Circuit Layout Appendix F) ETC PowerSafe Pro 400A 3ø 120/208 Wye, Camloks/Bare Wire 400A 3ø 120/208 Wye, Bare Wire Lugs, located DSR 3 ETC Sensor IQ 48-circuit Relay Panels, Net 3 controlled 6 ETC ColorSource Raceways, 8 circuits with mulitple repeats and integral 5-pin DMX distribution; one universe with 18 outlets 20-circuits with separate CS DMX raceway as above Dead-hung US/DS Wing Pipes SL & SR, Balcony Rail, 2 Floor Pockets

ETC Ion XE-20 (4 universes)with 1 standard fader wing 20 and two touch-screens.

Control Booth at rear of main floor

ETC Net 3/sACN

Electrics 1-6, FOH Catwalk, SL & SR Wing Pipes, Proc. Rack DSR Altman Chalice 100w LED under DMX control and Incandescent under-balcony fixtures with architectural dimming Lighting console or Fleenor PRE10E-A at DSR and Control Booth

FOH Catwalk 30'-6" throw from PL Balcony Rail 47'-6" throw from PL Projection Booth (followspots) 99'-0" throw from PL

72 ETC ColorSource PAR
21 ETC ColorSource Ellipsoidal (10@ 26°/8@ 19°/3@ 50°)
10 ETC ColorSource CYC
12 Elation Opti-Tri PAR, LED RGB 54 watt
6 Chauvet Intimidator 360 LED Moving Light
4 ADJ PAR Z100 3K (worklights)
6 Osram Kreios FLx 90W LED Flood (worklights)
12 Altman Phoenix 26° Ellipsoidal, 750w HPL

8 Colortran 213-165 6" 15°-35° Zoom Ellipsoidal, 1kw 2 Lycian 1267 SuperArc 400, Long Throw Followspot

LIGHTING (continued)

Misc Lighting Equipment

PROJECTION EQUIPMENT

2 Panasonic PT-DW6300ULS 6000 lumen WXGA Projectors at Balcony Rail

1 Extron MVX44 Matrix Switch, EDID unit, and Kramer VP-413 Scaler

1 Denon DN-V210 DVD player (non-Blu-ray)

2 Da-lite 7'-3" x 11'-7" 16:10 aspect Cosmopolitan Electrol screens at L and R of Proscenium Note: Video input/control rack can be located at DSR or Control Booth. HDMI & VGA inputs.

SOUND

Input/Output Locations: House Mix Position: House Mixing Console:

Note: Monitors are mixed from FOH console

Processing: Amplification: Playback Devices:

House Mains Speakers:

Proscenium SL and SR for Main Floor HL and HR for Balcony Subwoofers (in Orch. Pit) Portable Monitor Speakers: Monitor sends (5 separate):

Wired Microphones:

Lectern gooseneck

Wireless Microphones:

Note: 802.11 Wi-Fi Equipment is in use throughout the building.

Receivers:

Handheld Dynamic Cardiod Transmitters:

Belt-pack Transmitters:

Earset Mic:

Lavalier Mic:

Mic Stands:

Boom Arms:

Misc:

12 Strand LightPack 1200w portable dimmers Dazian RGB LED Star Drop, 21' x 60' Chauvet Amhaze Stadium Hazer

(see Sound Jacks Appendix G)
Control Booth at Center Rear Main Floor, 60'-8" to PL
Soundcraft Si Expression 3 with MiniStageBox 32i

(2) Xilica XD4080

Powersoft Ottocanali/Quattrocanali

Tascam CD200SB CD/SD/USB Player

Apple 2017 iMac with Qlab software

SLS CPC 1212 Passive Bi-Amped Column Array SLS CPA 7600 Passive Bi-Amped 6-box Line Array JBL ASB6128 double 18" (2) SLS 1290 12" Passive Monitor Wedges (6) Front of stage (A,B,C); USR Floor Pocket ((B,C,D,E)

16 Shure SM58 8 Shure SM57 1 Drumset Mic Kit

1 Peavey PSM 1 Boundary Mic 2 Peavey PSM 2 Boundary Mic

2 Countryman Isomax RF4 18" Cardiod Gooseneck (All units are Sennheiser A Band UHF 516-558 mHz)

10 Sennheiser EM100-G3 10 Sennheiser SKM100-835-G3 10 Sennheiser SK-100-G3 10 Point Source Audio CO-3

1 Countryman E6 2 Countryman B3

12 K&M 20610.500 Round Base

2 Misc. 6" 2 Misc. 18"

12 K&M 21100.500 Fixed 2 Rapco DB-1 Direct Box 2 Rapco STL-1 Stereo Direct Box

1 Rapco LTIblox Laptop Interface

STAGE RELAY/PAGING Speaker Locations: Paging Mic Locations:	DSR Dressing Rooms Green Room Ticket Office Administrative Offices Basement Projection Booth (Followspots) Control Booth DSR at proscenium Control Booth
COMM SYSTEM Main Station: Beltpacks (single channel): Headsets: Channel A and B Outlet Locations: Handheld Two-Way Radios:	Clearcom CS-702 2-channel A/B (at Control Booth) 5 Clearcom RS-601/Production Intercom BP-1 5 Clearcom CC-95 Single Muff Proscenium SL (1) Proscenium SR (1) Lock Rail (2) Amplifier Rack (1) Orchestra Pit (1) Control Booth (4) Projection Booth (2) Motorola RMU2040 UHF, (4)
HEARING ASSIST SYSTEM	Williams Sound VHF FM Transmitter with 4 receivers
	4 at 8" High 4 at 16" High 4 at 24" High 7 at 36" High
	25 at 8' 20 at 6' 30 at 5' Round 175
White Plastic Folding Chairs: Lecterns:	2 Summit Chameleon, black, fixed height

MUSICAL EQUIPMENT
Orchestra Chairs:
Conductor's Podium:
Conductor's Music Stand w/light

Orchestra Shell:

Pianos:

DRESSING ROOMS

SL Chorus Dressing Rooms

Men's 17 Make-up Stations/2 sinks w/4 mirrors/2 Urinals/1 HC Stall/1 Shower Women's 17 Make-up Stations/2 sinks w/4 mirrors/2 Stalls/1 HC Stall/1 Shower There are nine 6' portable costume racks available.

SL 2nd Floor Dressing Rooms

2 Small Dressing Rooms each with mirror and sink

1 Toilet and Shower

SL 2nd Floor Green Room

22' x 25' with Sofas, Sink and Small Refrigerator

Note: No handicap access to 2nd Floor.

There is no costume maintenance equipment in the building.

89 Black Padded 4'x4'x9 1/2" Carpeted Wenger

Ground-supported Side and Back Walls with ceiling flown in 3 sections

Steinway Model D 9' Concert Grand Wurlitzer Spinet

Appendix A - Seating Chart

on Memorial Auditorium - Downstairs 679 Seats	stairs	Stage			
Left Orchestra	Left Center Orchestra 9 8 7 6 5 4 3 2 1	Center Orchestra A 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	Right Center Orchestra A 1 2 3 4 5 6 7 8 9	Right Orchestra	stra
	9 8 7 6 5 4 3 2 1	B 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	B 1 2 3 4 5 6 7 8 9		
	10 9 8 7 6 5 4 3 2 1	C 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	C 1 2 3 4 5 6 7 8 9 10		
	10 9 8 7 6 5 4 3 2 1	D 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	D 1 2 3 4 5 6 7 8 9 10		
3 2 1	10 9 8 7 6 5 4 3 2 1	E 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	E 1 2 3 4 5 6 7 8 9 10	E 1 2 3	
4 3 2 1 F	11 10 9 8 7 6 5 4 3 2 1	F 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	F 1 2 3 4 5 6 7 8 9 10 11	F 1 2 3 4	_
4 3 2 1 G	11 10 9 8 7 6 5 4 3 2 1	G 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	6 1 2 3 4 5 6 7 8 9 10 11	G 1 2 3 4	_
4 3 2 1 H	12 11 10 9 8 7 6 5 4 3 2 1	H 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	H 1 2 3 4 5 6 7 8 9 10 11 12	H 1 2 3 4	_
4 3 2 1	12 11 10 9 8 7 6 5 4 3 2 1	J 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	J 1 2 3 4 5 6 7 8 9 10 11 12	J 1 2 3 4	_
4 3 2 1 K	12 11 10 9 8 7 6 5 4 3 2 1	K 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	K 1 2 3 4 5 6 7 8 9 10 11 12	K 1 2 3 4	_
5 4 3 2 1	13 12 11 10 9 8 7 6 5 4 3 2 1	L 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	L 1 2 3 4 5 6 7 8 9 10 11 12 13	L 1 2 3 4	2
5 4 3 2 1 M	13 12 11 10 9 8 7 6 5 4 3 2	M 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	M W 2 3 4 5 6 7 8 9 10 11 12 13	M 1 2 3 4	2
5 4 3 2 1 N	14 13 12 11 10 9 8 7 6 5 4 3 2 1	N 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	N 1 2 3 4 5 6 7 8 9 10 11 12 13 14	N 1 2 3 4	22
5 4 3 2 1 0	14 13 12 11 10 9 8 7 6 5 4 3 2 1	0	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14	0 1 2 3 4	10
5 4 3 2 1 P	14 13 12 11 10 9 8 7 6 5 4 3 2 1	4	P 1 2 3 4 5 6 7 8 9 10 11 12 13 14	P 1 2 3 4	2
5 4 3 2 1 Q	15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	Soundboom	Q 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	0 1 2 3 4	0
LO 53 Seats - 12 Rows	LCO 189 Seats - 16 Rows	CO 195 Seats - 13 Rows	RCO 189 Seats - 16 Rows	RO 53 Seats - 12 Rows	SWO

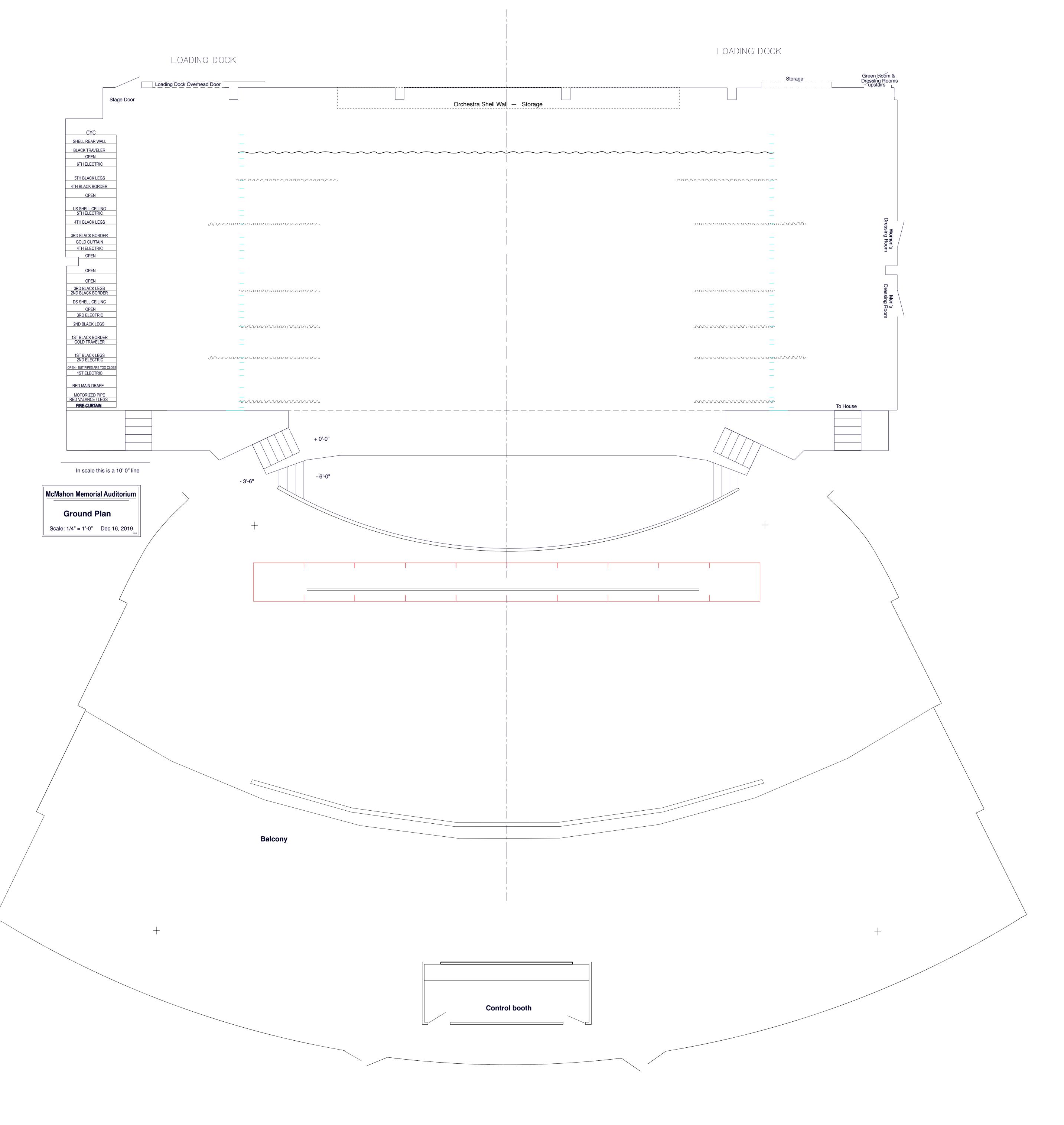
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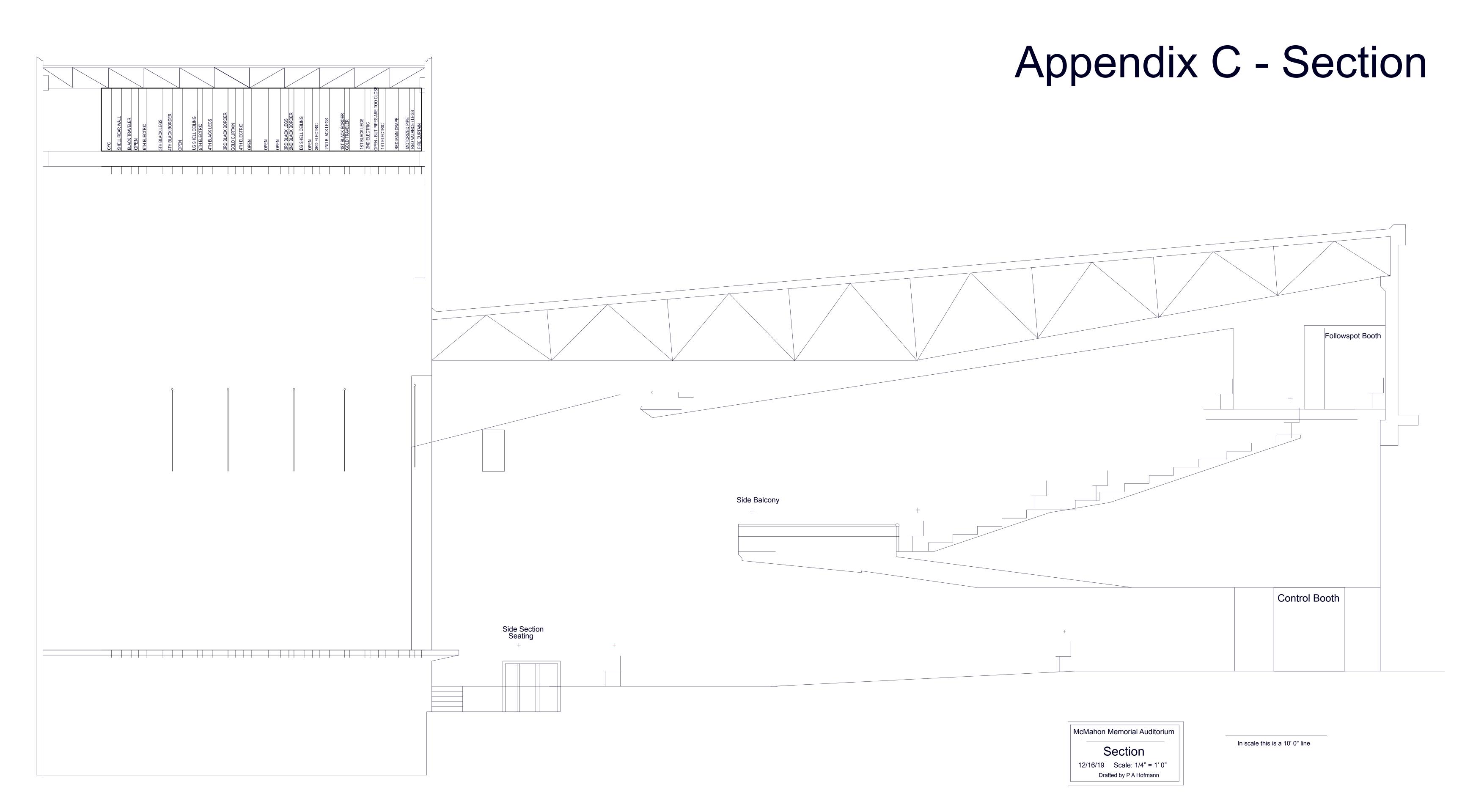
Stage

798 Seats

Right Loge (RL - 33) A 1 2 3 4 5 6 7 B 1 2 3 4 5 6 7	C 1234567	E 123456	Right Balcony (RB - 134)	X 1 2 3 4 5 6 7 8 9 10 11 12 13	F 1 2 3 4 5 6 7 8 9 10 11 12 13	G 1 2 3 4 5 6 7 8 9 10 11 12 13	H 1 2 3 4 5 6 7 8 9 10 11 12 13	1 2 3 4 5 6 7 8 9 10 11 12 13	K 1 2 3 4 5 6 7 8 9 10 11 12 13	L 1 2 3 4 5 6 7 8 9 10 11 12 13 14	M 1 2 3 4 5 6 7 8 9 10 11 12 13 14	N 1 2 3 4 5 6 7 8 9 10 11 12 13 14	6 7 8 9 10 11 12 13 14 15 15 17 18 19 20 21 22 23 34 25 26 27 28 29 30 31
Center Loge (CL - 75) A 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 1 A 1 2 3 4 5 6 7 8 9 10 11 B 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 1 B 1 2 3 4 5 6 7 8 9 10 11 12	C 1514131211109876543211	E 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 E 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Center Balcony (CB 105) Right Center Balcony (RCB - 72)	X 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 X 1 2 3	F 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 F 1 2 3 4	G 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 G 1 2 3 4	H 151413121110 9 8 7 6 5 4 3 2 1 H 1 2 3 4	J 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 J J 1 2 3 4 5	K 151413121110 9 8 7 6 5 4 3 2 1 K 1 2 3 4 5 6 7 8 9 10	L 1514 13 12 11 10 9 8 7 6 5 4 3 2 1 L 1 2 3 4 5 6 7 8 9 10 11	M 1 2 3 4 5 6 7 8 9 10 11 12	N Spotlight Booth N 6 7 8 9 10 11 12	0 6 7 8 9 10 11 12 13 14 15
Left Center Loge (LCL - 65) [11] 10 9 8 7 6 5 4 3 2 1 [12] 11] 10 9 8 7 6 5 4 3 2 1	13 12 11 10 9 8 7 6 5 4 3 2 1 14 13 12 11 10 9 8 7 6 5 4 3 2 1	15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	Left Center Balcony (LCB - 82)	3 2 1	4 3 2 1	STIARS 4 3 2 1	4 3 2 1	5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	11 10 9 8 7 6 5 4 3 2 1	12 11 10 9 8 7 6 5 4 3 2 1	12 11 10 9 8 7 6 5 4 3 2 1	31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
⊗ 8	ပ	ш		×	_	0	Ξ.	_	×	Ī	<u></u>	Ī	18 17 1
Left Loge (LL - 33) 7 6 5 4 3 2 1 7 6 5 4 3 2 1	7 6 5 4 3 2 1	6 2 2 2 1	Left Balcony (LB - 134)	13 12 11 10 9 8 7 6 5 4 3 2 1	13 12 11 10 9 8 7 6 5 4 3 2 1	13 12 11 10 9 8 7 6 5 4 3 2 1	13 12 11 10 9 8 7 6 5 4 3 2 1	13 12 11 10 9 8 7 8 5 4 3 2 1	13 12 11 10 9 8 7 6 5 4 3 2 1	14 13 12 11 10 9 8 7 6 5 4 3 2	14 13 12 11 10 9 8 7 6 5 4 3 2	14 13 12 11 10 9 8 7 6 5 4 3 2	31 30 29 28 27 26 25 24 23 22 21 20 1

Appendix B - Ground Plan

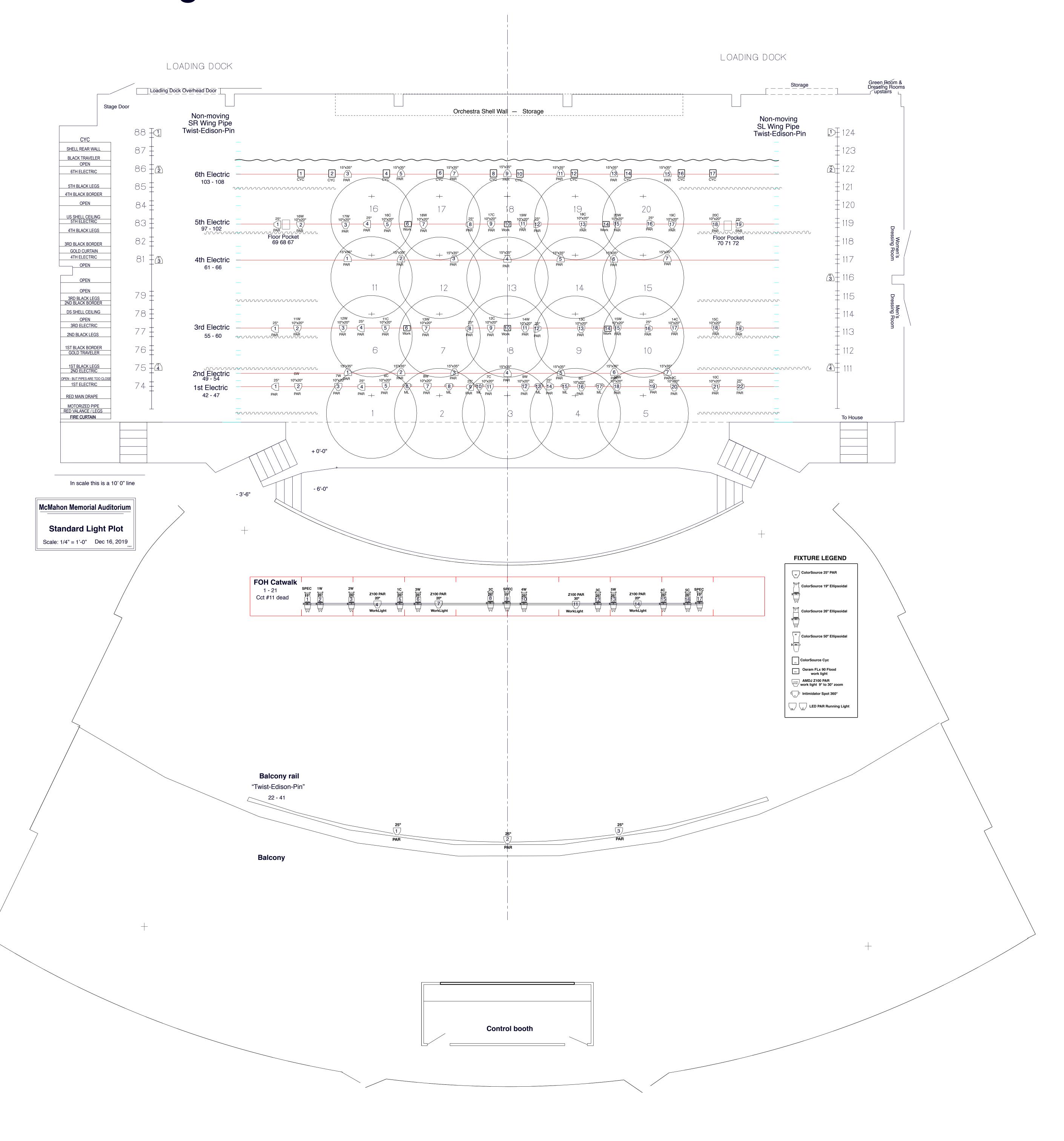


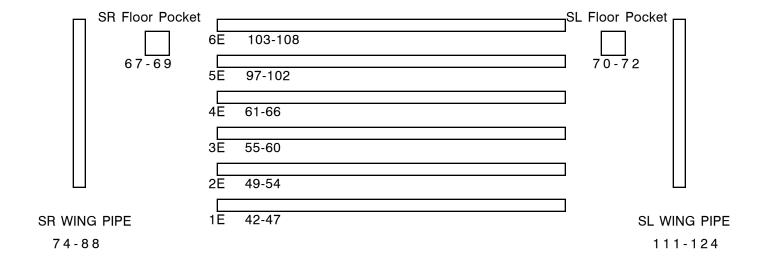


Appendix D Lineset Schedule

Lineset #	Dist. From PL	<u>Purpose</u>	H x W approx.				
		NOTE: all measurements taken at Lock Rail.					
	4"	Fire Curtain	24'x50'				
	1'-0"	Red Valence & Legs	Legs @ 21' off CL				
	1'-6"	Motorized Pipe	· ·				
1	2'-7"	Red Main Drape	21'-0"x59'-0"				
2	3'-11"	1st Electric					
3	4'-5"	OPEN (not usable, cannot fit between adjacent pipes)					
4	5'-5"	2nd Electric	Orch. Shell Downlights				
5	5'-11"	1st Black Legs	22'-6"x12'-0" each; 21' off CL				
6	7'-5"	Gold Traveler	21'-0"x59'-0"				
7	7'-11"	1st Black Border	8'-0"x60'-0"				
8	9'-5"	2nd Black Legs	22'-6"x12'-0" each; 21' off CL				
9	10'-5"	3rd Electric					
10	11'-1"	OPEN					
11	11'-11"	DS Orchestra Shell Ceiling					
12	12'-11"	2nd Black Border	8'-0"x60'-0"				
13	13'-5"	3rd Black Legs	22'-6"x12'-0" each; 21' off CL				
14	14'-3"	OPEN					
15	15'-5"	OPEN					
16	17'-1"	OPEN					
17	17'-11"	4th Electric	Orch. Shell Downlights				
18	18'-8"	Gold Curtain	21'-0"x59'-0"				
19	19'-5"	3rd Black Border	8'-0"x60'-0"				
20	20'-11"	4th Black Legs	22'-6"x12'-0" each; 21' off CL				
21	21'-11"	5th Electric					
22	22'-5"	US Orchestra Shell Ceiling					
23	23'-11"	OPEN					
24	24'-11"	4th Black Border	7'-0"x60'-0"				
25	25'-10"	5th Black Legs	22'-6"x12'-0" each; 19' off CL				
26	27'-5"	6th Electric	Orch. Shell Downlights				
27	28'-3"	OPEN					
28	28'-11"	Black US Traveler	21'-0"x55'-0"				
29	29'-11"	Orchestra Shell Rear Wall					
30	30'-11"	White Cyc	22'-0"x49'-6"				

Appendix E - Light Plot





FOH Catwalk 1-21

Balcony Rail 22-41

