

# McPHERSON OPERA HOUSE TECHNICAL PORTFOLIO

## CARPENTER

**Seating** Total: 488 / Main Floor: 228 / First Balcony: 152 / Second Balcony: 108

### STAGE

<b>Dimensions</b>	Proscenium Width .....	25'0"
	Proscenium Height .....	22'2"
	Plaster Line to Pit.....	4'0"
	Plaster Line to U. S. Wall at Center .....	25'0"
	Center Line to S.R. Wall .....	25'0"
	Center Line to Pin Rail S.L. Wall .....	26'0"
	Stage Height from House Floor .....	3'10"
	Stage Height & Row J Height .....	0'0"
	Grid Height .....	34'0"
	Low Trim .....	4'0"
	High Trim .....	28'0"
	Batten Travel .....	28'0"
	Med Bridge Height .....	12'2"
	Loading Bridge Height .....	28'6"
	Proscenium to S.L. Wall .....	13'6"
	Proscenium to S.R. Wall .....	13'0"

**Floor** The floor is double 3/4-inch plywood on 2" x 8" sleepers  
**Note:** Masking or Duct tape is not to be used on the stage floor. Vinyl tape, gaffer's tape and cloth spike tape are acceptable if removed after the event.

**Stage Access** US center: (2) 3' x 7' doorway to outside alley  
DSL 3' x 7' doorway to auditorium and dressing room  
DSR: 3' x 7' doorway to crossover, auditorium, and dressing rooms  
USR: (2) 3' x 7' doorway to scenery storage

**Orchestra Pit** none

### SOFT GOODS

(See line plot for standard dress)

**Main Valance** Bright red, Velour (1) 10' x 32', 100% fullness, unlined. Dead Hang nailed to proscenium

**Main Curtain** Deep Crimson, Velour (2) 18' x 17'0", 100% fullness, unlined. Manually operated as traveler from S.R. or guillotine from S.R.

**House Drapery** All House Stage Drapery are black velour 21 oz., 50% fullness  
Mid-stage (2) Panels of 18'0" high by 17'0"  
Upstage curtain (2) Panels of 18'0" high by 17'0"  
Legs (3 pair) - 18'0" H x 8'0" W  
Borders (4) - 5'0" H x 32'0" W  
Cyclorama (1) - Natural muslin 17'0" H x 32'0" W

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## LOAD-IN

**Loading Dock** Located on the East side of the building at the southeast corner  
Loading Dock Height: 9'6" above alley level.  
Load in Door: High 5' x 8'  
The loading dock is serviced by street alley. **Please note** that trucks can not stay in alley they must be moved after unloading. One parking space is allowed by the Opera House South side.

**Load in Door** The loading door is 9'6" above the alley level. It is serviced by an outside equipment lift from alley level to the stage floor. This lift is controlled from inside the load-in door. Lift rating is 500 lbs.

**Parking** Trucks cannot stay in alley they must be moved after unloading. One parking space is allowed by the Opera House South side. Additional parking is located at City parking lot behind the Opera House. A Bus or truck may park beside the Opera House on the South Side with permission from the Building Coordinator.

***Note:** Unauthorized vehicles will be towed at the owner's expense.*

## ADDITIONAL INFORMATION

The Tech Director and must approve any and all use of pyrotechnics or open flame. In addition to a permit for pyrotechnics, a demonstration of the effect will be required from the McPherson Fire Marshall to determine the safety of the device and its use.

The use of fog / hazer needs to be approved by the Tech Director two (2) weeks before the event, plus a statement of use needs to be in the audience programs.

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## STANDARD LINE PLOT

LINE	STANDARD DRESS	DISTANCE FROM PLASTER LINE	DISTANCE FROM PREVIOUS BATTEN
1	Valance *	0'6"	
2	Main Drape *	1'0"	0'6"
3	Open	1'6"	0'6"
4	First Electric	3'6"	3'0"
5	Projection Screen	5'0"	2'0"
6	1 <sup>st</sup> border	6'6"	1'6"
7	1 <sup>st</sup> Leg	7'0"	0'6"
8	Second Electric	9'0"	2'0"
9	Open	11'0"	2'0"
10	2 <sup>nd</sup> Border	12'0"	1'0"
11	Midstage black traveler*	13'0"	1'0"
12	Open	13'6"	0'6"
13	Open	14'6"	1'0"
14	Open	15'0"	0'6"
15	Open	15'6"	0'6"
16	Open	16'6"	1'0"
17	3 <sup>rd</sup> Border	17'0"	0'6"
18	3rd Legs	19'0"	2'0"
19	Third Electric	21'0"	2'0"
20	Upstage black traveler*	23'0"	2'0"
21	Open	24'0"	1'0"
22	Skycloth (cyc)	24'6"	0'6"
	*will not be removed		
	arbors weight limit—850 pounds.		

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## ELECTRICAL

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<b>Light Booth</b>	Located back-of-house 2 <sup>nd</sup> Balcony approx. 65' from the plaster line above the balcony.
<b>Power</b>	200 Amp 3 Phase, 120/208V disconnect on the storage room for touring company use. <i>Note: Facility does not have a spare cable to run to bus.</i>
<b>Dimmers</b>	89 2.4 KW EDI SPI Dimmers dedicated to performance lighting 6 house light dimmers. DMX
<b>Control</b>	Main console: ETC Element 60 w/ 2 LCD monitors and Net 3 Radio Focus Remote Unit
<b>House Lights</b>	Unison controls located backstage, lighting booth and lighting console. Step lights and exit lights must remain on during performance. <i>Note: Extra crew is needed if house lights are to be dimmed from back stage.</i>
<b>Cable</b>	15 – 6 Foot three pin cable 20 – 10 Foot three pin cable 20 – 25 Foot three pin cable 15 – 3 Foot twofers
<b>Trees</b>	none
<b>Circuits</b>	89 ETC 2.4 dimmer per circuit (20 AMP grounded stage pin)

## FOH POSITIONS

<b>Balcony Rail</b>	14'0" from the proscenium, throw is approximately 20'0" at 45% angle
<b>Side Ports</b>	Side ports bars per side running along the opera boxes throw is approximately 8' 0" at 45% angle. Excellent side lighting position.
<b>Spot Booth</b>	Approximately 65' from proscenium. Both positions are in the 2 <sup>nd</sup> Balcony.
<b>Stage Positions</b>	(all battens are 32'0" in length) Foot light 3'0" downstage of plaster line 1st Elec. 3'6" from plaster line 2nd Elec. 9'0" from plaster line 3rd Elec. 21'0" from plaster line
<b>Onstage Rail Boxes</b>	(Boxes are located catwalk rail onstage 25' SL & SR of center line.) Box 1 4'0" from plaster line Box 2 11'0" from plaster line Box 3 18'0" from plaster line
<b>Instruments</b>	Arrangements must be made in advance for rental and installation.  20 19° Source 4 16 26° Source 4

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30 36° Source 4  
12 50° Source 4  
30 Source 4 PARs  
30 Source 4 Parnels  
04 Altman ZS-4 Strip light hanging  
20 Source Four Gobo Holder

**Follow Spot:**

(2) Voyager Followspots  
Spots are located in the light/sound booth.  
*Note: Follow Spots cannot be transported to other locations.*

## CIRCUITING

<b>Circuit Chart</b>	(HR to HL, SL to SR, unless noted)
<b>Front of House</b>	House Balcony 1-15 SL Proscenium 16-19 SR Proscenium 20-23 First Electric 24-38 Second Electric 39-53 Third Electric 54-68
<b>SL Rail Boxes</b>	1-DS 69-71 2-CS 72-74 3-US 75-77
<b>SR Drop Boxes</b>	1-DS 78-80 2-CS 81-83 3-US 84-86
<b>Foot Lights</b>	87-89

## SOUND

<b>Sound Booth</b>	Back-of-house above the 2 <sup>nd</sup> balcony approximately 65 feet from the plaster line.
<b>House Mix</b>	Center of House in 2 <sup>nd</sup> balcony
<b>Power</b>	DSR wall 100 Amp Disconnect 120/208 V, 3 Phase
<b>Main Console</b>	RSS M-400 V-Mixer (digital), 48 mix channels, 16 AUX busses, plus Main L/R outputs and 8 matrices
<b>Speaker Cluster</b>	Tannoy Q-Flex 32 (SR & SL) for Main level & 1st Balcony. Tannoy Q-Flex 24 (SR & SL) for 2nd Balcony. Tannoy Vnet15BP subwoofers (SR & SL).
<b>Fill Speakers</b>	None
<b>Monitor Speakers</b>	Community S-1296 (6) in full-range mode. RSS M-48 Live Personal Mixer (5) for IEM/personal wedges

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<b>Outboard Processors</b>	No Outboard—Included in the Roland M-400: Stereo Reverb Reverb + Gate Stereo Chorus Delay x 2 Long Delay Multi Tap Delay Cross Modulation Delay Stereo Flanger Stereo Phaser Pitch Shifter x 2 Channel Strip x 2 Dual GEQ
<b>Power Sequencing</b>	Digital Mixer on UPS
<b>System Signal Processor</b>	V-Net DSP and beam shaping in Q-Flex & Vnet15BP speakers
<b>Amplifiers</b>	Mains: Powered Speakers
<b>Production Intercom</b>	Production Intercom (PI) MS-200 & MSM-2 (4 channels 200 Ohm)
<b>Microphones</b>	6 Channels of either Cardioid Dynamic or BeltPak wireless microphones. (3-Audio Technica AEW-5414c wireless systems) 6 Audio Technica AE4100. Audix i5 (2), D2 (4), D4 (2), D6( 2), SCX-1C (1), ADX51 (2), SCX25A (2) Audix Microboom MB1250B (2)
<b>Playback</b>	Tascam CC-222SLmkII Tascam DV-D01U Sony PS-3 (BluRay player)
<b>Mic Lines</b>	32 on stage inputs patched from following panels: Proscenium Stage Right: 16 Proscenium Stage Left: 16 Upstage Wall Center: 4 Fly Rail Gallery (SR): 4 House I/O Box (SL & SR): 2 each
<b>Headsets Stations</b>	booth, stage, fly-rail, follow-spot Production Intercom (PI) BP-1 & SMH310 (12) Production Intercom (PI) LS-3T (4: Dressing & Green Rooms)
<b>Hearing Assist</b>	Gentner Digital 6 Transmitter (2) Receiver (10)
<b>Paging System</b>	Stagemanager paging/cue system zoned for on-stage / dressing room level; local volume controls

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## PROPERTIES

<b>Storage</b>	There is limited storage on the stage area. At times trucks will be needed for additional storage
<b>Equipment</b>	
<b>Orchestra Shell</b>	None
<b>Platform Riser</b>	None
<b>Choir Risers</b>	6
<b>Pianos</b>	Shigeru Kawai Chamber Grand (6'8)"

## PRODUCTION AND SUPPORT AREAS

<b>Dressing Rooms</b>	Two 14'x20' dressing rooms with toilet and sink. One 6'6"x12' dressing room with toilet, sink and shower (star dressing room).
<b>Laundry</b>	One washer and dryer are located on the lower level beneath the dressing room area .
<b>Green Room</b>	Located on dressing room level, 12'x11'.
<b>Production Office</b>	Either the Green Room or the McPherson Arts Council office
<b>Crossover</b>	Dressing room level beneath the stage
<b>Handicap Access</b>	None
<b>Building Entry</b>	Alley at the rear of Opera House, door on north, or on the south side of the Opera House (Sutherland Avenue) on the east end.