

# Sanderson Centre Technical Information



B R A N T F O R D ' S  
**SANDERSON  
CENTRE**  
*for the performing arts*

Updated October 7<sup>th</sup>, 2024

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## **Venue Information**

### **Venue Address**

88 Dalhousie Street, P.O. Box 1762  
Brantford, ON, N3T 2J2  
Phone number: 519-752-9910  
Toll Free Number 800-265-0710

### **Stage Door Address**

61 Darling St. Brantford ON

### **Technical Director**

Leanne Rich  
(519) 752-9910  
(800) 265-0710  
Extension 5675

### **Technical Personnel**

All technical personnel are supplied by IATSE Local 129

Please take note of the following rules regarding stage labor calls:

- Crews may work a maximum of four (4) hours without a meal break.
- For periods over four (4) hours, crews must receive a one (1) hour meal break.
- If the meal break is shorter than one (1) hour, a meal must be provided for the entire crew, paid for by the Renter. Meal breaks shorter than 1 hour are paid time and must be at least thirty
- (30) minutes uninterrupted.
- Crews must receive a fifteen (15) minute coffee break at or near the midpoint of any four (4) hour period except for show calls. This break does not count as a meal break.

You cannot request specific crew members; the crew are scheduled based on seniority. Please contact our Technical Director with any specific questions regarding staffing.

### **Venue Access**

#### **Personnel Access**

Show staff and performers should enter the facility using the Stage Door at 61 Darling Street.

## Stage Loading Access

Loading door is located on Darling St. beside the stage door. Stage is at street level, no obstructions or turns from loading door opening onto upstage left. There are stairs from stage to the auditorium on both sides, with removable railings available.

## Theatre Specifications

### Main Stage

#### Stage Dimensions

- Stage width at proscenium: 49' 0" (drapery set to 40' opening)
- Stage height at proscenium: 24' 0" (centre of arch), 18' 0" (sides)
- Stage depth from back wall to proscenium arch 29' 0", to apron edge 31' 6"
- The curved orchestra pit cover adds 6' 6" (on centre) to 4' 2" (edges) to the stage depth. Upstage crossover: 3' 9" wide (this reduces usable stage depth to 25' 3" from proscenium line) Wing dimensions; stage left 18' 0" wide, stage right 21' 0" wide
- Stage floor: Hardwood maple painted with flat black Rosco Tough Prime
- Orchestra pit: 7' 0" below stage floor
- Orchestra pit width (L to R): 28' 3" (Upstage) to 36' 0" (Downstage)
- Orchestra pit depth (U to D): 19' 0" (Sides) and 23' 8" (CS)
- (From nose of stage: 16' 0" - 3' 0" (Sides) and 16' 0" - 7' 8" (CS) Orchestra pit access via spiral staircases in the stage right (DS) and stage left (US) wings.

#### Drapery

- 5 sets black velour legs 12' x 22'
- 5 borders 60' x 10'
- White cyclorama 60' x 19' ,
- Black velour back drop 60' x 22'
- Midstage traveller: 55' x 22' ,
- Black sharktooth scrim 60' x 18'
- Main Curtain: Traveler style operating from stage left or flyrail, rose in colour

#### Fly System

- 16 single purchase sets (downstage)
- 16 double purchase sets (upstage)
- System is counterweight arbor, operated from stage left flyrail
- Linesets are on 9" centres

# **Touring Systems for Stage**

## **Power**

- 400 Amp, 120V- 3 Phase Cam-Lok disconnect down stage left (with optional isolated ground)
- 100 Amp, 120V- 3 Phase Cam-Lok disconnect up stage right ( with optional isolated ground) One Stove Plug available from Cam-Lok disconnect Stage Right
- 60 amp single Phase stove plug in loading dock

## **Cable Routes**

Conduit running from orchestra pit to house sound location

## **Road equipment location notes**

Please note that house sound console and FX equipment is NOT removable.

Please advise if you need sound or lighting control positions FOH – seat holds are required.

## **Rehearsal Hall**

- Floor surface - sprung hardwood maple finished with clear urethane
- Dimensions: 43' 6" x 27' 0"
- Proximity to stage: 20' with 2 corners through 4 sets of double doors

## **Dressing Rooms**

### **First floor**

- Dressing rooms on the first floor have sink, toilet and shower and lighted mirrors
- Room 1 3 Person
- Room 2 3 person

### **Second Floor**

- All Dressing rooms on second Room have a sink and lighted mirrors
- 3 10 Person
- Room 4 5 Person
- Room 5 10 Person
- Room 6 2 Person
- Green Room Dressing Room 7 10 Person

### **Second Floor Washrooms**

- Two group washrooms (each)
  - 3 Toilets

- 2 sinks
- 3 Showers

## **Stage Equipment**

### **Risers**

24 -4 foot by 8 foot black Wenger risers

### **Leg Lengths**

- 8 inch 12 sets
- 12 inch 6 sets
- 16 inch 8 sets
- 24 inch 4 sets
- Please note that if the 16' stage extension is in use only 2 lids will be available

### **Performer supplies**

- 140 Black stacking chairs, padded, with no arms
- 50 orchestra music stands (some Manhasset)
- 12 music stand lights
- 1 conductor's podium on stage
- Orchestra shell with eight rolling towers and two flown ceiling sections

### **Pianos**

- One Yamaha 9' concert grand piano
- One Studio upright grand piano in orchestra pit
- One Nordheimer upright piano available for on stage use
- One Samick 5 foot 9 inch baby grand piano available for main lobby use only

### **Access Equipment**

- One JLG E18 MCL single person driving personnel lift with a 18 foot working height
- One 6 foot step Ladder
- One 8 foot step ladder
- One 10 foot step ladder

## **Additional Venue General Information**

### **Laundry facilities**

- Located on the second floor.
- One large capacity Front load washing machine



- One large capacity Front load dryer
- One clothing steamer
- 5 Clothing Racks

## **Stage Extension**

The stage can be extended into the house in various 8', 12', or 16' configurations replacing the orchestra pit cover. We currently have used over 25 different stage extension configurations, each blocking a different amount of seating. Please call to discuss any special needs prior to tickets going on sale so the required seats can be held.

## **Pyrotechnical Effects**

Pyrotechnic effects MUST be demonstrated to and approved by the Technical Director and Fire Marshal prior to the first performance. These effects must be operated by a properly-licensed and insured technician. ANY open flame such as candles or flash-paper also requires advance approval. Please contact us at least 45 days prior to event to apply for fire department approval.

## **Lagging to Deck**

Lagging or screwing into the stage floor is NOT permitted under any circumstances.

## **Lighting System**

### **Control**

- One ETC Gio 8196
- One 20 Fader Expansion wing
- One ETC IOS Remote Processing Unit referred to as an RPU

### **Dimmer System**

- Number of Dimmers 208
- Number Of Circuits: 244
- All Circuits Are 20 Amp Twistlock

## Location Of Circuits

Location	Number Of Circuits at location
Stage Right Proscenium	4
Stage Left Proscenium	4
Upstage Right	8
Upstage Left	8
Stage Left Fly Rail	20
Stage Right Fly Tower Wall	20
Front of house Bridge	20
House Left Cove	8
House Right Cove	8
Orchestra Pit	2
First Electric	33
Second Electric	24
Third Electric	24
Forth Electric	24
Fifth Electric	9

## Lighting Inventory

### Lighting Inventory in house LX plot

- 12 ETC Source Four 14° LED Series 2 Lustr
- 6 ETC Source Four 14° 750w
- 7 ETC Source Four 10° 750w
- 8 ETC Source Four 26° 750w
- 8 ETC Source Four 19° 750w
- 16 ETC Source Four 26° LED Series 2 Lustr
- 28 ETC Source Four 36° LED Series 2 Lustr
- 15 ETC Source Four 36° 750w
- 13 ETC Source Four Pars 750W Stage (worklights)
- 24 ETC Source Four Fres LED Series 2 Lustr
- 7 Strand 8" 1Kw Fresnel
- 9 ETC Selador Vivid R Cyc Lights)
- 3 1.2K Lycian Followspot Projection Booth
- 8 - Martin Mac Auras Stage (2nd & 3rd LX)

### Spare inventory on racks

- 24 ETC Source Four 36° 750w
- 8 Strand 8" 1Kw Fresnel
- 2 Martin Mac Auras

Very Narrow, Narrow, Medium and Wide lenses available for Source Four Pars. Limited number of barn doors available for Fresnels.

Limited number of adaptors available (Stage Pin to twist, U-ground/Edison to twist).  
Limited number of floor floats available.

6 boom bases with 4' or 8' vertical pipes available.

NOTE: The Sanderson Centre's Lighting System runs on 4 Universes ETC Net3.

Due to the number of LEDs in use in our house plot road consoles need 4 DMX universes to communicate with house equipment.

## **Video Projection System**

### **Projector**

Christie HD14K-M 1080 HD DLP projector, mounted In LX booth 1 - Roland V1600HD video switcher

### **Playback Equipment**

- Arcam BDP300 Blu-Ray player
- Windows 10 laptop (of questionable reliability) for Powerpoint and computer video formats
- Renters are advised to bring their own video playback source if possible
- SDI video distribution for source at FOH sound position or stage left send to projector Various SDI adapters

### **Projection Screens**

- Two 9' high X 16' wide with rear projection surfaces, flown on stage
- One permanently installed 28' wide retractable projection screen installed DS of main curtain

### **Program Video**

SONY SRG-300SE/W PTZ Camera

### **Video Distribution**

The Sanderson Centre has an SDI video distribution system throughout the building to provide a program video feed to the Main Lobby, Lower Lobby, SL Wing and Rehearsal Hall.

## Video Streaming System

### Streaming Rack

- Roland V1600HD video switcher
- Blackmagic Web Presenter c/w smart panel
- Blackmagic HyperDeck Studio Mini Recorder
- MiniMac streaming Computer
- 26" Dell Monitor

### Recording Equipment

- 2 Panasonic AGCX10 Cameras
- 2 Manfrotto MVK608TWINMA Tripods
- 2 Manfrotto MVR901EPLA Control Arms
- 1 Access to feed from SONY SRG-300SE/W PTZ Camera

## Sound

### Front of House Console

- Digico SD9
- 48x16 Wave impact Server
- UB-Madi interface

### Digital Snake

- Digico D2 Rack
  - ◆ 48 Inputs
  - ◆ 16 Output

### Speaker System

- 6 EV XLD 281 per side
- 1 EV PX2181 per side
- 5 Dynachord VL 262 Frontfills

## Monitor System

### Console

- Digico S31
  - ◆ 48 Flexi Input Channels
  - ◆ 16 Flexi Aux/Sub-Group Busses
  - ◆ 10x8 Full Processing Matrix

## **Amp Rack**

- Two Racks
- 4 Crown ITECH 5000HD Amplifiers per rack
- Capable of 4 Mixes Biamp Mixes or 8 passive Mixes per rack

## **Monitors**

- 14 EAW SM 200 Stage Monitors
- 2 Adamson B218 Sub
- Apogee AE5 speakers

## **Playback Equipment**

- 1 Denon DN-4500 Mk II Dual Variable Speed Compact Disc Player
- 1 Denon DN-4500 Dual Variable Speed Compact Disc Player

## **Microphones**

### **Wired Microphones**

- 4 Countryman B3 Elements
- 4 Countryman E3 Elements
- 1 Shure PG 58 Wireless Handheld
- 6 Shure Beta 58
- 6 Shure SM 58
- 5 Shure SM 57
- 2 Shure Beta 87A Microphones 3 Shure Beta 27
- 2 Shure Beta 181C and S capsules 1 Shure Beta 56A
- 1 Shure Beta 52
- 1 Shure Beta 57A Microphone
- 1 Shure 55SH Series II Vintage Microphone
- 1 Beyer M420
- 1 Beyer 201
- 5 AKG 535 Microphones 1 AKG D112 Microphone 4 Sennheiser 604
- Sennheiser 609
- Crown PCC 160C 1 Crown PZM30R

### **Direct Input Boxes**

- Radial Pro D1 Passive DI
- Radial Pro D2 Passive Stereo DI
- 3 Apex ADP1 Passive DI
- 3 Rodam TD100 Passive DI
- 3 Art XDirect Active DI

## **Wireless Microphone System**

### **Primary System**

- 2 Shure Quad Axient Digital ADQ4 Quad Wireless Receivers Frequency Band G57
- 4 Shure AD2/87 Wireless Handheld Microphones with Beta 87 Capsules
- 1 Shure AD2/58 Wireless Handheld Microphone with SM58 Capsule
- 8 Shure AD1 Wireless Bodypacks
- 1 Shure SBRC Battery Charger
- 14 Shure SB900A Batteries

### **Secondary System**

- 2 Shure U4D Wireless Receivers Frequency Band J4
- 4 Shure U1 Wireless Handheld Microphones with Beta 87 Capsules
- 4 Shure U2 Wireless Bodypacks

## **Microphone Stands**

- 7 Round Base Straight Stands
- 16 K&M Tall Tripod Stand with Short Boom
- 10 K&M Short Tripod Stand with Short Boom

## **Sub Snakes**

- 6 channel Sub Snake 25 foot in Length
- 6 channel Sub Snake 50 foot in Length
- 6 channel Sub Snake 75 foot in Length
- 6 channel Sub Snake 150 foot in Length
- 12 channel Sub Snake 25 foot in Length
- 12 channel Sub Snake 50 foot in Length
- 12 channel Sub Snake 75 foot in Length

## **Split Snake**

- 40 Channel Analog Stage split from Stage to FOH copper
- 25' Road Tails FOH
- 50' Monitor Tails on stage

## **Sound System Notes**

- Paging and Program Sound to Dressing Rooms
- Program Sound to Lighting Booth and Rehearsal Hall
- Please note that due to the extremely live acoustics in the room, Sound Pressure Levels (SPL) in excess of 95dB are not allowed.

- We will rent any other equipment as needed with 30 days notice.

## **Production Communications**

### **Wired ClearCom**

- 2 Channel wired Clearcom
- Belt pack at LX console (in the LX booth and FoH)
- Belt pack FoH sound
- Belt pack at Fly rail
- Follow spot house left,
- Follow spot centre
- Follow Spothouse right

### **Wireless ClearCom**

FreeSpeak II Digital Wireless Intercom 1.9 Ghz

10 FS19 BP19 beltpacks

## **Lobby Performance System**

### **Sound**

- 1 Roland M200i 32 Mono Channels, 8 Aux
- 1 Roland 1608 Snake Box
- 1 Roland wireless Network adapter with iPad interface
- 3 QSC K12 Powered speakers (flown, permanently installed)

### **Lighting**

- ETC 1248 Smartfade Console
- 8 Chauvet SlimPar Quad IRC 6

### **Video**

### **Seating**

The Maximum seating for the lobby is 140 seats

## Line set usage and Distance Chart

Line #	Distance	Standard Use	Notes
	-9 Feet	Nose of Pit Fill	
	-2 feet 6 inches	Nose of Stage	
	0 Inchs	Proscenium Arch	
	2 Inches	Fire Curtain	
	1 foot 5 inches	Main Curtain	
1	2 feet 6 inches	Painted Portal Border #1	
2	3 feet 3 inches	Painted Portal Leg #1	Traveler - opening 24' – 40'
3	4 feet	First Electric	
4	4 feet 9 inches	Free Pipe	
5	5 feet 6 inches	Free Pipe	
6	6 feet 3 inches	Shell #1	Not Available Permanent
7	7 feet	Border #2	35' Maximum Height
8	7 feet 9 inches	Leg Stage Left #2	
9	8 feet 3 inches	Leg Stage Right #2	
10	9 feet 3 inches	Second Electric	
11	10 feet	Free	
12	10 feet 9 inches	Free	
13	11 feet 6 inches	Free	
14	12 feet 3 inches	Border #3	
15	13 feet	Leg #3	
16	13 feet 9 inches	Shell #2	Not Available Permanent
17	14 feet 6 inches	Third Electric	35' Maximum Height
18	15 feet	Free	
19	16 feet	Mid Stage Traveller	Not Available Permanent
20	16 feet 9 inches	Free	
21	17 feet 6 inches	Border #4	
22	18 feet 3 inches	Leg #4	
23	19' feet	Forth Electric	
24	19 feet 9 inches	Free	
25	20 feet 6 inches	Border #5	
26	21 feet 3 inches	9x16 RP Screen	Movable
27	22 feet	Leg #5	
28	22 feet 9 inches	Fifth Electric	Cyc Lighting
29	23 feet 6 inches	Free	
30	24 feet 3 inches	Border #6	
31	25 feet	Cyclorama	
32	25 feet 9 inches	Black Back Drop	
	29 Feet	Back Wall	

Please Note All Line sets fly to a Maximum height of 44' above the deck



# Plan and Section Drawings

