

## McManus Stage

at the Grand Theatre

471 Richmond Street, London ON, N6A 3E4  
Phone – 519-672-9030 Fax – 519-672-2620

Lyndee Hansen, Production Manager: x 257  
Paul Fujimoto-Pihl, Technical Director x 259

# TECHNICAL SPECIFICATIONS

## General Information:

- The McManus is a flexible studio style theatre.
- Clear height to grid is 17'6"
- Stage and Audience walls are concrete and painted black.
- There is a 2" x 6" batten secured to some walls, at an approximate height of 8', for attaching scenery to.
- There are black acoustic panels along all walls, at various heights. Please check with Grand Theatre technical staff if designs require scenery tight to the walls.
- Stage floor is sprung and covered in ¼" masonite
- Floor is painted semi gloss black (Rosco Tough Prime Black).
- There are standard double doors leading into the backstage and into the lobby.
- There is limited space backstage

## Carpentry

### Seating

- Seats 147 in conventional (raked) seating. Three seats must be reserved for ushers.
- Seating can be changed to cabaret style – approx. 100 seats. There is a cost involved in switching the seating arrangement.

### Stage Dimensions

- Stage width at up center wall – 25' across
- Stage width at setting line – 37' across
- Up center wall to setting line (stage depth) – 17'6"
- Setting Line to first row of chairs – 3'8" (first row of chairs is on the ground)
- Setting Line to seating risers - 5'0"
- Clear height to grid – 17'6"

### House Draperies

- 10 legs @ 17'9" high x 8'0" wide – black velour with ties, no fullness
- 8 old legs @ 17'0" high x 8'0" wide – black velour with ties, no fullness
- 1 legs @ 17'0" high x 4'0" wide – black velour with ties, no fullness
- 1 old boarder 9'6" high x 39'4" wide – black velour with ties, no fullness
- 1 13' x 18' white muslin drape with centre seam, with ties.
- 1 masking leg @ ~10' high x 4'4" wide -- Black velour with ties, no fullness (for masking wall to underhang)
- 1 masking leg @ ~9'4" high x 8'4" wide – Black velour with ties, no fullness (for masking the 2<sup>nd</sup> level door)
- 1 old leg @ 17'5" high x 7'9" wide – black velour with ties, no fullness
- 1 @ 8'4" x 6' (mounted on 2x4)

### Masking and Flats

- 6 86"x4' Soft Fabric Flat, Black (needs recovering)
- 1 86"x30" Soft Fabric Flat, Black (needs recovering)
- 4 4'x8' x2 ¾" Hard skin Flats, Black,
- 1 1'x8' x2 ¾" Hard skin Flats, Black
- 1 4'x8' x1" Hard skin Flats, Black
- 1 7'8"x9' black velour masking drape, no header or ties.
- 1 88"x27" black velour masking skirt, staple on (for risers)
- 1 21' wide x 2'3" tall black velour masking skirt, staple on (for risers)
- 41' long by 26" wide runner for crossover

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### TECHNICAL SPECIFICATIONS

#### Line Set Data

- No Line Sets Available
- Basic rigging possible from catwalks

#### Support Areas

- There is no exterior cross over. Entrances are from stage right. An interior cross over can be created with draperies (decreases depth of stage)

#### 2 Dressing Rooms

2 dressing rooms, located in hallway off stage right.

- Dressing Room A – 4 person
- Dressing Room B – 8 person
- All dressing rooms are equipped with mirrors, lights, chairs and costume racks, sinks, showers and toilets

#### Green Room

- There is a performers/staff lounge on the same level as the McManus dressing rooms. It is shared with the Spriet Stage.

#### Office Facilities

- There are no office facilities connected with the McManus.

#### Stage Management

- Shares an office with the Spriet Stage stage management.
- On the same level as the McManus stage.
- Communications with Front-of-House via telephone.
- Headset (Clearcom) locations are LX booth, SM booth, and upstage right.
- Paging and program sound to the dressing rooms are controlled from the control booth.

#### Loading

- The easiest access to the theatre is through the Front-of-House Lobby, down a flight of stairs which are 6'0" wide, with one 90 degree turn. The most restricted point is the standard double door that leads to the auditorium (4'3"wide x 6'8"high).
- There can be time restrictions on load-ins (depending on activities on the mainstage and in lobbies).
- There are no level-loading accesses or devices for loading into the McManus Theatre.
- There is very little offstage space for storage.
- The Grand does not own any parking facilities. Parking costs will be the responsibility of the renter.
- If the production involves large road cases or crates, please contact the Grand Theatre staff regarding your load in.

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### TECHNICAL SPECIFICATIONS

#### Wardrobe Maintenance

- May be available on request with prior arrangement, shared with the Spriet Stage
- Located on level 1
- Equipment:
  - 2 washing machines
  - 2 clothes dryers
  - 1 industrial steam iron
  - 2 domestic steam irons
  - 1 steamer

#### Rehearsal Hall

- Available if not in use by Spriet Stage productions, with prior arrangement
- Located on level 1 Dimensions: 30'0" x 23'0" (9.14m x 7.01 m)  
There is no equipment dedicated to this rehearsal hall

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# TECHNICAL SPECIFICATIONS

## Lighting Inventory

- ETC Element 250 Channel, 1024 DMX addresses, 40 channel/submaster faders
    - Laptop w/EOS software for designer monitor via wifi
  - 96 Strand CD80 dimmers with 2400 watt capacity. One dimmer (dimmer 8) is house lights  
Actual limit is approximately 2200 watts.
  
  - 4 ETC Source Four 50 degree (575 watt)
  - 18 ETC Source Four 36 degree (575 watt)
  - 12 ETC Source Four 26 degree (575 watt)
  - 6 ETC Source Four Zoom 25-50 degree (575 watt)
  - 16 Strand-Century 6 x 9's (750 watt)
  - 13 Strand-Century 6 x 12's (750 watt)
  - 7 Strand-Century 6 x 16's (750 watt)
  - 24 ETC Source Four Fresnels (575 watt)
  
  - 10 Source Four Iris
  - 12 Source Four A-size gobo holder
  - 18 Source Four B-size gobo holder
  - 6 Strand-Century B-size gobo holder
  - 24 Source Four Fresnel Barndoors
  - Gel stock is Roscolux
  - Sidearms, floor stands, booms etc. may be available (shared with Spriet Stage)
- Lighting Cables may vary in rated capacity. (This count does not include those borrowed by main stage)**
- 39 20A Twistlock Lighting cables, "Red" (2' to 9' long)
  - 36 20A Twistlock Lighting cables, "Yellow" (9' to 20' long)
  - 10 20A Twistlock Lighting cables, "Blue" (20' to 30' long)
  - 2 20A Twistlock Lighting cables, "Green" (30' to 50' long)
  - 3 20A Twistlock Lighting cables, 50' long
  - 3 20A Twistlock Lighting cables, 60' long
  - 2 Female 20A Twist to Male U-Ground (15A) adapters
  - 4 Male 20A Twist to Female U-Ground (15A) adapters
  - 16 20A Twist "Two-Fers"
- General Usage AC Cables (15A U-Ground)**
- 2 20' 15A, 12 AWG
  - 1 25' 15A, 12 AWG
  - 3 50' 15A, 12 AWG
  - 2 30' 15A, 16 AWG, (3 Receptacle)
  - 1 16' 15A, 16 AWG, Blue (3 Receptacle)
  - 1 25' 15A, 16 AWG Orange
  - 1 10' 15A, 16 AWG Orange
  - 1 50' 15A, 16 AWG Neon Green

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## Sound

### Console:

- ❑ Allen & Heath GLD80
  - Max 48 inputs overall
  - Booth input bay – 24 XLR mic/line inputs, 12 XLR line outputs
  - Stage-right input bay – 8 XLR mic/line inputs, 4 XLR line outputs
  - Dante expansion card – up to 64 bidirectional channels over ethernet
  - Local Console in/outputs – 4 XLR line inputs, 2 stereo-RCA unbalanced inputs, 4 XLR line outputs, 2 stereo-RCA outputs

### Connections:

- ❑ Outputs: There are 4 speaker outputs located throughout the space – 2 on the grid by the booth (one SL and one SR) and 2 on the grid on the upstage wall (SR and SL). All are Speakon NL2. There are two line level XLR outputs HR on the back wall under the booth, and four line level XLR outputs off stage-right.
- ❑ Inputs: There are 6 mic inputs SL, 6 SR and 4 in the Catwalks. All are three pin XLR.
- ❑ Console patch points: There is one patch point in the booth for the console, one backstage right, and one FOH House-right at the back of the house.

### Amplifiers:

- ❑ 2 QSC ISA1350 Stereo amps – 800 watts per channel into 8 ohms
- ❑ 2 AudioPro 1200 Stereo amps – 300 watts per channel into 8 ohms

### Speakers:

- ❑ 4 Fulcrum Acoustics CX1295 – 400w @ 8 ohms – 90x45 degree beamwidth – fixed positions
- ❑ 2 QSC KW122 – 1000w – 75x75 degree beamwidth – self-powered monitors

### Playback:

- ❑ Apple Mac Mini Server (Oct 2012) with Qlab 2.0 Pro Bundle
  - Up to 64 output channels of computer audio playback
- ❑ Share with Spriet Stage - Apple 15" Macbook Pro 2.3GHz (Dec 2012) w/ retina display
  - QLab 3.0 Pro Bundle
  - 256 GB SSD
  - Dual-link DVI from thunderbolt adaptor
- ❑ 2TB Apple Time Machine for backup and wifi networking

### Processing:

- ❑ Symetrix Solus 8 DSP – 8 ch digital processing for Fulcrum speakers
- ❑ 28-band 1/3 octave Graphic EQ on each console output
- ❑ No outboard processing available. Rental equipment can be inserted into console.
- ❑ Console also has 4 band parametric EQ and full dynamics on each channel
- ❑ 8 internal Stereo FX processors on console
- ❑ Additional equipment is available locally for rent

### Microphones:

- ❑ 4 Shure Beta SM58A dynamic supercardioid Vocal
- ❑ 3 Shure Beta SM57A dynamic supercardioid Instrument
- ❑ 2 Rode NT5 pencil condenser
- ❑ 1 Audio-Technica U853R hanging choir mic

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- ❑ 1 Sennheiser EW345 G3 handheld wireless mic
- ❑ 6 K&M 210/8 Tripod base microphone stands

#### Intercom:

- ❑ 1 Production Intercom MS300 – 3 channel base station
- ❑ 6 Production Intercom BP-1 Beltpacks
- ❑ 6 ClearCom CC-26K Headsets
- ❑ There are intercom patch points backstage right, backstage left (fed from grid), in the grid, and in the booth for the SM & LX operator

#### Misc:

- ❑ Infrared program video monitors are located in booth and backstage right
- ❑ Program Sound is sent to the dressing rooms, backstage hallway and McManus lobby.
- ❑ Paging from Backstage Right and Booth
- ❑ Small Classroom Projector may be available. Model: Epson EX50