

ROYAL MANITOBA THEATRE CENTRE

JOHN HIRSCH THEATRE TECHNICAL DATA

REVISED: June 2011

THEATRE LOCATION:

Theatre Address: 174 Market Avenue
Winnipeg, MB
R3B 0P8

Telephone: (204) 956-1340
Fax: (204) 947-3741
Box Office: (204) 942-6537

Loading Dock: John Hirsch Avenue (runs parallel to
Market Avenue) at rear of Theatre.

Audience Entrance: Lobby entrance at corner of Market
Avenue & Rorie Street.

CONTACTS:

Main switchboard: (204) 956-1340

Production Manager: Russell Martin - Ext 206 pm@mtc.mb.ca

Technical Director: Ben Ross - Ext 204 td@mtc.mb.ca

Production Bookkeeper: Laura Enns - Ext 201 prodasst@mtc.mb.ca

Assist. Production Manager: Laura Lindeblom - Ext 203 apm@mtc.mb.ca

Head Stage Carpenter: Hart Greenberg - Ext 226

Patron Services: Ext 259

Visiting Designer's desk: Ext 203

Director of Marketing: Brent Phillips - Ext 211

Union Business Agent: I.A.T.S.E. LOCAL 63 - (204) 944-0511

Accounting: Shelley Stroski - Ext 219

[NOTE: Please contact Laura Enns regarding facility rentals.](#)

**NOTE: MTC is a non-smoking building – no smoking is allowed
anywhere inside the Theatre Centre**

AUDITORIUM:

Seating Capacity: Orchestra - 531
Balcony - 254
Wheelchair Spaces - 4
TOTAL SEATING - 789

Auditorium Design: The auditorium is asymmetrical; the House Left Balcony descends to Orchestra Level.

Auditorium Dimensions:

Distance from downstage edge of stage to last row of orchestra: 69' 6"
Distance from downstage edge of stage to last row of balcony: 75' 0"
Orchestra Rake: Rows 1 - 12 at 16 degrees
Rows 13 - 20 at 21 degrees
Balcony Rake: 28 degrees

LOADING INFORMATION:

Loading Dock #1:

Set-Loading Freight Elevator (Street Level to Stage Level ONLY):

Loading dock door: 7' 10" wide x 10' high
Loading Dock Height: 4' 0" from street level
Freight Elevator Doors: 9' 11" wide x 9' 11" high
Freight Elevator: 9' 11" high x 9' 11" wide x 20' 4" long
Freight Elevator Weight Rating: 10,000 pounds (4536 kg)

Loading Dock # 2:

Small Freight Elevator:

Loading dock door: 12' 0" wide x 8' 0" high
Freight Elevator: 8' 3" wide x 9' 6" long x 8' 6" high, with removable ceiling area for long objects.
Freight Elevator Door: 7' 11" wide x 7' 5" high
Freight Elevator Weight Rating: 6000 pounds

Small Freight Elevator Service to:

Rehearsal Hall and Offices: Second floor
Loading Dock & Wardrobe Shop: First floor
Prop Shop: 1 level below ground
Stage Level & Carpentry Shop: 2 levels below ground

NOTE: a concrete header at 7'6" spans the shop outside the elevator and limits the height of pieces that can be moved out of the elevator at this level.

Trap Room: 3 levels below ground

STAGE DIMENSIONS:

Proscenium:

Structural Proscenium Opening: 78' 8" wide x 48' 0" high

Adjustable False Proscenium Opening:

Maximum opening: 62' 0" wide x 32' 0" high

Minimum opening: 36' 0" wide x 16' 0" high

Average opening: approximately 46' wide x 24' high

Stage:

Main Curtain Line to Back Wall of Stage: 47' 4"

Free Stage Width wall to wall: 109' 0"

Maximum free clearance under fly gallery: 37' 0"

Centre stage to counter weight arbours stage left: 57' 0"

Centre stage to stage right wall: 52' 6"

Stage Apron (depth downstage of main curtain): 2' 1"

Calipers: (extreme offstage sides of the stage extending downstage of the proscenium)

Width between calipers at DS edge of stage: 46' 1"

Upstage width of calipers: 17' 7" SR, 15' 5" SL

Downstage width of calipers: 9' 9" SR, 7' 4" SL

Depth of calipers: 16' 1" SR, 19' 0" SL

STAGE FLOOR AND TRAPS:

Trap Dimensions:

First downstage row of 26 traps: 3' wide x 8' deep each

5 upstage rows of 26 traps each: 3' wide x 6' deep each

Total trapped area: 78' wide x 38' deep

Total number of traps: 156

Trap Construction:

Traps are 1/4" Masonite over 1/8" Masonite over plywood. Each trap is sprung with an internal wooden frame and rests on a tubular steel structure, which rests on permanent I-beams.

Trap Room:

Height trap room floor to stage support beams: 9'4"

Height trap room floor to stage floor: 14' 2"

Orchestra Pit:

An orchestra pit can be created by removing any combination of 3' x 8' traps from the downstage row. This is a time-consuming process involving a significant amount of time and crew.

The depth of the pit is adjustable to two levels: 3' 0" below stage level

7' 0" below stage level

NOTE: The stage floor is painted black and must be returned to black if painted any other colour

LIGHTING POSITIONS AND TECHNICAL GALLERIES:

Front of House Lighting Positions:

Three lighting galleries are located on each side of the auditorium.

No. 1 stage right and left: 15' 7" above stage level

No. 2 stage right and left: 23' 10" above stage level

No. 3 stage right and left: 32' 10" above stage level

Two lighting bridges are located over the auditorium; the height of these bridges can be adjusted.

1st bridge at 6' 5" from the downstage edge of the apron

2nd bridge at 27' 5" from the downstage edge of the apron

The 2nd bridge is the location for follow spot operation.

There are 8 boom ladders available that can be hung from truss offstage of the cross-stage linesets on SL and SR. Each ladder has four rungs and can hold two fixtures per rung.

Technical Gallery:

The front of house technical gallery surrounds the auditorium at 40' 0" above stage level. **Light and sound control rooms are located at this level.**

LIGHTING SYSTEM INFORMATION:

Dimmers:

384 Strand Lighting CD80 Supervisor (reporting) 2.4 kw dimmers

2 racks of 6 x 6kw Portable Dimmer racks

Circuits:

Total number of 20 Amp circuits: 384, all new twistlock

Patching:

Dimmer per circuit with electronic soft patch to channels at console.

Control:

Strand 530i console, Software Version Light Palette 2.8.6

Instrument Inventory:

Available as a separate attachment

Colour:

All Roscolux colour is generally available

VIDEO SYSTEM INFORMATION

(Note: video gear is not available to rental clients)

Projectors:

- 1 Barco CLRM R10+ DLP projector, with remote
 - Lumens: 10,000
 - Resolution: 1400 x 1050 (SXGA)
 - Lenses: 1.2 - 1.5 : 1 zoom
 - 1.5 – 2.2 : 1 zoom
 - 0.85 : 1 fixed focus

- 3 Panasonic PTD 4000U single chip DLP projectors, with remote
 - Lumens: 4,000
 - Resolution: 1024 x 768 (XGA)
 - Lenses: 1.8 – 2.4 : 1 zoom (standard lens)
 - 2.5 – 4.0 : 1 zoom (ET-DLE 200)

Video Playback:

- Watchout Version 4.0.1
 - capable of running up to 4 output displays

- 2 Pioneer DV-353 DVD players
- 3 Rosco Keystroke

Dowsers:

- 4 Wybron Eclipse IT Iris, 7.5”
 - DMX controlled

SOUND SYSTEM INFORMATION

Playback Sources:

- 2 frames of LCS Matrix 3 with WildTracks (hard-drive playback – call for details)
- 1 Sony MDB-5 Mini Disc Player
- 1 Panasonic DAT SV-3700
- 1 Denon DN2100F dual CD player
- 2 Marantz 601 CD player

Microphones:

- 3 Crown PZM-6LPG
- 3 Crown PCC 160
- 3 EV 635A (old but still in service)
- 5 EV RE-11 (old but still in service)
- 4 Audio Technika AT-853-RX overhead cardioids, phantom powered
- 4 AKG C451, 3 CK-9 shotgun heads, 4 CK-1 cardioid heads
- 1 Peavey Tube Studio PVM T9000
- 24 Sennheiser SK 50 wireless belt packs with MKE2 Gold Capsules
(Note: wireless microphones are not available to rental clients)
 - 1 AKG C420 headset microphone
 - 3 Sennheiser NB-2 Headset Rigs (for use with MKE2 Capsules)
 - 10 Countryman E-6 microphones
 - 28 Sennheiser MKE 1 microphones
- 1 Sennheiser ew100 Hand Held Wireless
- 2 Shure SM58 Switched microphones

Mixing, Show Control, Editing:

- Main Mixing Console: Yamaha PM5D Digital Console 48 x 24 x 4
- Alternate Console: Yamaha M-2000 24 x 8 x 3
- Alternate Console: Tascam M-2516 16 x 8 x 2
- Automated Show Control: LCS RIF-108 CueMixer
- Sound Editing: ProTools Version 7.2, on iMac computer (Intel Core Duo), with 48x DVD burner
- Sound Operation: normally in booth, back centre of upper balcony.
 - Live mixing can be accommodated in the upper left balcony – extra time required for set-up.

Amplifiers:

- 2 Ashley FTX 2001
 - For UPA on deck
- 5 Meyer M-1A Processors
 - 3 for cluster and side mains, 2 for Meyer and UPA
- 5 Rane MA6
 - 3 for balcony fill, 2 for unassigned speakers on deck
- 5 Ashley FET-2000Ms
 - For centre cluster, mains, subs
- 2 QSC Amplifiers
 - For use with SX300 speakers
- 1 Ashley FTX Series II 1001
 - For subs

Equalization/Processing:

- 2 Klark Technik Parametric EQ, for balcony/fill
- 2 Meyer CP10 Parametric EQ, for cluster and mains
- 1 Klark Technik DN 30/30 Graphic EQ, stereo
- 1 Klark Technik Graphic EQ DN 360, stereo
- 2 Yamaha D1030 Delay Line, for cluster
- 1 Quadraverb (Alessis)

Speakers:

Centre Cluster: 4 Meyer UPA-1A
Upper Balcony: 2 Renkus-Heinz SRG2M
Rear Balcony: 4 Ramsa WS-A70-K (two each side)
Balcony Fill: 4 Ramsa WS-A80 (two each side)
Lower Balcony High End Fill: 4 JBL Control 1 Plus
Side Fill: 4 Meyer UPA-1C (two each side)
Subs: 2 Meyer-Sub USW-1 (one each side)
Onstage Effects:
 8 Meyer MM4-xp, unassigned
 6 Ramsa WS-A70-K, unassigned
 2 Ramsa WS-A10, unassigned
 4 Radian 8" co-axial, unassigned
 4 EV SX300, unassigned
 4 JBL Control 1, unassigned

Monitors:

10 Aviom A-1611 personal mixers
8 Shure SCL3-GR earphones

Program Sound and Paging:

Program sound to lobby and dressing rooms, green room, offices
Paging to dressing rooms, green room

Communications:

Wired Clear Com:
 1 Clear Com Base unit
 1 Clear Com Power Supply
 6 Clear Com wired beltacks
 4 Beyer DT-109 Dual Muff headsets
 11 Beyer DT-108 Single Muff Headsets
 1 Beyer DT-109 Listen Only Headphones
 2 KB 111A Speaker Stations
 2 KB 124 Speaker Stations (Lighting and Sound Booths)
Wireless Headsets: Freq. 177.800
 11 PH 1 headsets, single muff
 2 PH 88 headsets, (Lightweight)
Wireless Headsets: adjustable frequency
 3 Telex BTR800 2 channel beltacks
 4 Telex BTR700 single channel beltacks

Hearing Assistance:

1 Sennheiser S120 infrared Transmitter
2 Sennheiser SZ1-1029 High Power Emitter Panels
90 HDI-91-PI Hearing Assistance Headsets

Other equipment:

Misc. microphone stands
16 music Stands
Yamaha P200 Electric Piano with stand and sustain and control pedals
4 Behringer Ultra Active Direct Input Boxes
Roland RSS400 32 x 8 digital snake (runs from booth to stage)

DRESSING ROOMS

Location:

Dressing rooms are at stage level and are located off stage left.

Capacity:

There are 9 rooms accommodating a maximum of 35 people:

4 rooms for up to 2 people each

3 room for up to 5 people each

2 rooms for up to 6 people each

REHEARSAL HALL

Location:

Second floor, accessible from MTC offices, freight elevator and back stairwell.

Dimensions: 39' 6" x 49' 8"

Equipment:

Yamaha upright piano

Adjustable drapes for sound baffling and privacy

Flooring:

Battleship linoleum on hardwood flooring, sprung.

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