



SASKATOON'S
ARTS & CONVENTION
CENTRE

Theatre Technical Package

Theatre

- Continental Style - no centre aisle
- Newly renovated seats
- New carpeting
- State-of-the-art sound & lighting
- Main floor, Grand Circle, 2nd balcony, 3rd balcony

Holding Room

- Located in Dressing Rooms Corridor
- Multiple 120V Plugs
- Typically used as a Wardrobe Room
- IATSE Wardrobe Equipment Storage
- Linoleum flooring
- Sinks
- Not accessible to public

Dressing Rooms

- Makeup mirrors
- Soft Seating
- En-suite washroom with shower
- Coat rack
- Full length mirror

- Wheelchair accessible washroom available



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General Information

Client Services.....975-8397 Fax: (306) 975-7761
 General Office975-7777 Fax: (306) 975-7804

Director of Sales975-1498 Donna Melnychuk
 Theatre Sales Manager975.7785 Gerard Cullen
 Stage Carpenter975-7795 Dwight Lucas
 Audio Technician975-7788 Shaun Dyksman
 Lighting Technician975-7787 Dan Mooney

Theatre SeatingContinental style - no centre aisle
 Orchestra1156 people
 Grand Circle319 people
 2nd Balcony268 people
 3rd Balcony302 people
 Total Capacity2045 people

2045 less 24 board seats = 2021 revenue seats

Rehearsal Room Located on 2nd level
 Mirrors / Bars
 Floor - same as stage

Wardrobe Irons/boards/steamers/sewing machine
 Located stage level in holding room

Truck Loading U.S. left/direct to stage area
 Dock level
 Overhead door 10' W x 18' H
 Tractor Trailer Accessible

Truck and Bus Parking Limited, Contact the Security Services Supervisor—Marty Gilley 306.975.7794
 Two (2) Shore power available (100A, 1P, 4W, 220V)

Touring Power Located U.S. Left
 Distance to D.S.L. - 54'
 Distance to D.S.R. - 150'
 2 separate panels @ 400 amp 3PH, 4W
 Breakered

Touring Audio Power Installed 1997
 Located Torm left
 Distance to D.S.L. - 25'
 Total 400 amp 3ph 4w, breakered

Stage Manager Position D.S.R. Position Control of all motorized rigging
 Control of I/R video surveillance system
 (From 1st Balcony & D.S.L Torm)

Stage Labour Technicians/Stagehands/Wardrobe Personnel supplied by IATSE Local 300
 Contact the Stage Carpenter for stage labour estimates



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Stage & Fly System

Orchestra Shell	Purchased 1997 Wenger Corp. "Diva" w/ air transporter 4 flown ceiling pieces 2 at 4' W 2 at 8' W 10 rolling towers 20' - 28' in height Playable area - 59' 6" wide at proscenium., 48' wide U.S x 30' 0" deep Time required to set up - 1 hour
Risers	Stageright system Bases 18 at 8" 18 at 16" 18 at 24" Decks 48 at 4' x 8', 2 surfaces, Grey carpet or Black hard deck
Pianos	9' Steinway Grand Yamaha Upright 9' Heintzman Grand
Music Stands	Manhasset with lights - 60
Dressing Rooms	Stage Level - 7 rooms - 2-4 person capacity 2nd Level—1 Female Choral Dressing Room 25 - 30 persons with toilet, shower, sink, mirrors, lights, costume racks 1 Male Choral Dressing Room 25 - 30 persons with mirrors, lights, costume racks, external washroom



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Line Plot

* Subject To Change (this is the general house hang)

Line Set Number	House Hang	Line Set Location
	0'-0" Proscenium Wall	
1	Grand Drape	1' 3"
3	Grand Board	1' 11"
4	Grand Leg	2' 6"
5	Orchestra Shell	3' 4" NOT REMOVABLE
6	Batten	3'11"
7	Batten	4' 7-1/2"
LX Bridge	DS Edge Lx Brdge	5'1" NOT REMOVABLE
	US Edge Lx Brdge	7' 1 -1/2" NOT REMOVABLE
11	Batten	7'11"
12	1st Border	8' 11"
13	1st Leg	9' 6"
14	Batten	10' 1"
16	Orchestra Shell	11' 0" NOT REMOVABLE
17	Batten	11' 10"
19	Motorized Traveller	12' 9" NOT REMOVABLE
20	Picture Screen Border	13' 8"
21	Picture Screen Leg	14' 2"
22	Batten	14' 10"
23	Batten	15' 6"
24	2nd Border	16' 2"
25	2nd Leg	16' 10"
26	Batten	17' 6"
27	LX #1	18' 2"
28	Batten	18' 10"
29	Batten	19' 6"
30	Orchestra Shell 3	20' 6" NOT REMOVABLE
31	Batten	21' 4"
32	Batten	22' 0'
33	Batten	22' 8"
34	3rd Border	23' 4"

Line Plot



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Line Plot

Line Set Number	House Hang	Line Set Location
35	Batten	24' 0"
36	3rd Leg	24' 8"
37	Batten	25' 4"
38	LX #2	26' 0"
39	Batten	27' 0"
41	Orchestra Shell 4	28' 0" NOT REMOVABLE
42	Batten	28' 10"
43	Batten	29' 6"
44	Batten	30' 2"
45	Batten	30' 10"
46	Batten	31' 6"
47	Batten	32' 2"
48	4th Border	32' 10"
49	Batten	33' 7 1/2"
50	4th Leg	34' 2"
51	Black Scrim	34' 10"
52	White Scrim	35' 6"
53	4 Leg Black Backing	36' 2"
54	Batten	36' 10"
56	Cyc LX	38' 2"
59	Batten	40' 0"
60	Batten	40' 10"
61	Batten	41' 6"
62	Batten	42' 2"
63	Batten	42' 10"
64	Batten	43' 6"
65	Manual Traveller (Black)	44' 2"
66	Picture Screen Storage	44' 10"
68	Cyclorama	46' 2"
69	Spare Border	46' 10"
*70	Spare Border	47' 6"
71	SR German	
72	SL German	

Line Plot



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Lighting Information

Lighting Technician - Dan Mooney (306) 975-7797 or (306) 975-7795 Voice Mail

Please note: Where possible, a lighting plot would be appreciated in advance of show arrival. All accessories, such as power distribution for band equipment, orchestra lights, offstage work light, some special effects, and most other incidental equipment is available. Please inquire in advance of show date for any special requirements.

Rigging Front Truss Rigging Points from an I - beam over the pit
Above D.S. edge of pit between 1st and 2nd F.O.H.
Maximum point load of 4000lbs.
Total beam load of 6000 lbs.
Height to the bottom of the grid is 87 ft.
Grid is 3" C-channel.
Stage rigging is accomplished by attaching points of our existing grid. Points may be placed anywhere over the stage.

Front Of House

1st cove 25' from stage at 60° angle from curtain line at centre
Contains 24 (41-64) circuits normally powering 24 source four 19° fixtures

2nd cove 42' from stage at 45° angle from curtain line at centre
Contains 24 (17-40) circuits normally powering 24 source four 19° fixtures

3rd cove 110' from stage at 30° angle from curtain line at centre
Contains 16 (1-16) circuits normally powering 16 source four 10° fixtures

Follow Spots 2 Strong Super Troupers – Xenon Conversion to 1200 W
Located center, just below the 3rd FOH cove

2 Lycian M3 HMI 2500W medium throw follow spots located as above.

Control Room Centre of house at the rear of second balcony level.
Approximately 110' at 20° from curtain line.

Control Console 1 Installed 1997
E.T.C. Insight 3X using 3.1 software
512 channels
108 overlapping submasters (NB. submasters 73 to 108 may be programmed as inhibitive)
+600 cues onstage
999 Macros
99 Focus Points
5 Encoder Wheels
6 Encoder Pages
Diskette Storage (MSDOS format)
MIDI In & Out
Real time and SMPTE event execution
Dual CRT displays in Control Room

Control Console 2 ETC Ion 1500 Control Console
2 ELO touchscreen monitors
2 ETC 10 x 20 Fader Wings for a total of 80 faders
1 spare ETC 10 x 20 Fader Wing to bring the fader count to 20
Keyboard and mouse

Lighting Information

Console 3	ETC Ion 1000 Control Console 1 ELO touchscreen monitor 1 ETC 10 x 20 Fader wing. (For use as the primary wing on the 1000 or a secondary wing on the 1500.) Keyboard and Mouse 1 ETC Radio Remote Focus for the Ions.
Console Notes	The components of the Ion system are interchangeable i.e. Fader wings and monitors Both systems, the Insight and the Ions, are currently available, however at certain times the 1000 travels to other parts of the building, so if you need both Ions be sure to check ahead of time. The Insight normally resides in an elevated position behind the Ion and can be moved upon request to make room for a visiting console, however under no circumstances does the Ion move from its location.
Ether Net Node on Stage	Wired remote focus unit with daisy chained connections on stage & in FOH positions for use with Insight 2 input Grey Interface DMX Manager (1 input normally occupied by house console) 5 way DMX Repeater (1 output hardwired to house dimmers) 12 DMX dry lines from various places around the stage and front of house, terminating in the control room. Patchable to either the Repeater or to the DMX Manager
Dimmers and Circuiting	410 ETC Sensor D20 dimmers @ 2.4 kW each - 384 available, the remainder are house or work lights. All circuits eventually terminate in 20 amp twist lock receptacles.
FOH	see "Front Of House" above.
Floor Pockets	Stage Right (296 - 325) in five pockets of 6 circuits. Stage Left (326 - 349) in five pockets of 6 circuits. Up Stage (350 - 367) in three pockets of 6 circuits.
Lighting Bridge	(146 - 205) spaced at 1' intervals.
Drop Boxes	Red Group (122-145) in four boxes of 6 circuits. Blue Group (206-229) in four boxes of 6 circuits. Green Group (230-253) in four boxes of 6 circuits. Yellow Group (254-277) in four boxes of 6 circuits.
Torm Panels	(Wannabe box booms) Stage Right (89-112) in three positions of 8 circuits. Stage Left (65-88) in three positions of 8 circuits. NB. The above circuits. are duplicated twice over the height of the panel.
Box Booms	(The real thing, only without any hanging positions) House Right (290-293) House Left (278-281)
Up Stage Right	Multis (Socapex) (113-118), (119-121 + 368-370) (371-376), (377-382).
Orchestra Pit	(294, 295, 383, 384) duplicated right and left.

Lighting Information

Lighting Fixtures See above for Front Of House fixtures.
20 ETC Source Four 36° Ellipsoidal
24 ETC Source Four 26° Ellipsoidal.
20 ETC Source Four 19° degree Ellipsoidal.
30 ETC Source Four Par fixtures with lens kits (Wide, Medium, Narrow, Very Narrow).
60 Strand 1 kW Fresnels. (model 3380)
6- 4 Cell Iris Quartz Color @ 1500W per cell.
18 CL-3 Color Changers @ 10 house colors.

20 wireless Elation Design Spot 575 Es. (rental charges apply)
8 Source Four par 6 bars with associated socapex cable and lenses (rental charges apply)

NB. There is a house hang in place using most of the above fixtures.
Please call or email the house lighting tech. before you start drawing.

Dance Booms 8 (4 per side) rolling - with 10' reach
Equipped with 4 Strand 1000W 2122s (20 degree fixture):

Additional 2 - 12' side booms w/o lamps
3- 7' rolling stands.

Color filters Our house stock is Lee but we also have a limited stock of Rosco.

Electrical Services 2 x 400 amp three phase
located on upstage left wall, both fitted with "E" type CamLock connectors.
4 x 600 amp three phase, located on dimmer mezzanine off stage left.



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AUDIO TECHNICIAN – Shaun Dyksman (306) 975-7788 or (306) 975-7795 Voice Mail

House Audio Power	House System is powered by a three (3) phase / 208V/225 amp technical ground source.
Touring Audio Power	400 Amp / 3 Phase/ Technical Ground Located Stage Left Torm Located 25 Feet from L, downstage proscenium wall.
Audio Consoles (rental charges apply)	Soundcraft V16 digital (purchases 2008) 64 mic input fully digital connects via 80 meter cat-6 with RJ45 connectors. Soundcraft Series 5 available for FOH set up or onstage as monitor console 48 mono and 4 stereo input 2 Stereo aux pairs / Plus 10 mono aux sends, 10 mix matrix 8 master mute groups 10 VCA groups
Meyer Sound System (rental charges apply)	24 Meyer Melodie cabinets (12 per side) 4 Meyer 700-Hp Subs 2 Meyer upJ-1P infill 4 Meyer upm-1P frontfill Set up through Galileo 616. All zones accessible through software control.
EAW Speaker System (rental charges apply)	All EAW Audio Systems are controlled thru the Crown IQ 2000 software platform All amplification power is remotely located and accessed directly from the Audio suite. 3 EAW MH660e Full Range Loudspeakers 1 EAW HM690e Full Range Loudspeaker 2 EAW BV525P Subwoofer Loudspeakers 1 BSS FDS-355 Omnidrive Maximum 100 DB SPL - Sustained - Possible in House 8 EAW KF850 EF Full Range Loudspeakers 4 EAW SB850F Subwoofer Loudspeakers 2 BSS FDS-355 Omnidrives ATM Fly-Ware and 4 CM 1-ton chain motors (230/3/60) Maximum 120 DB SPL - Sustained - Possible In House Stereo infill system
Power Amplifiers for EAW Speakers	8 Crown MA 2400 Stereo Power Amplifiers 3 Crown MA 3600VZ Stereo Power Amplifier 2 Crown MA 5000VZ Stereo Power Amplifiers



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House Monitors (rental charges apply)	Monitor System 7 Meyer MJF 212A high power monitors (Rental charges apply) 6 JBL 12" cabaret (8 ohm) 2 EV 1502 side fill (8 ohm) 2 Fostex Spa 11 self-powered AV reference monitor
Microphone splitter (rental charges apply) Monitor Amplifiers	Radial convertible with 48 channel of split 200 ft. main trunk and 20 ft. tail for stage. 2 QSC 3350 amplifiers 220 watts at 8 ohms
Monitor Equalization (Rental charges apply)	6 DBX 2231 eq 3 Yamaha Q-2031A eq
House Distributed System Program and Page	AMX / Auto Patch with Emergency Page - Located in Audio Suite Page & Program distribution to Tech Areas/Dressing Rooms/Lobby Areas
DAT	TEAC DA-30 MKII - (1) One TEAC DA-30 - (1) One
2A Disc Burner Disc Players	HHb dual burn Denon - 650F (2) Two
Reverb Units	Lexicon PCM 96 Yamaha SPV-2000 EMT-ST140 plate Reverb (1) One - Mono in x 2 out
Miscellaneous Equipment	Direct Boxes – countryman - type 85 (1) - radialJ48 (2) - rodam..... director (3) Various Adapters/Ground Lifts, etc. One (1) Quad AR 204 Isolation Transformer units – Balanced / XLR Two – DBX Model 1046 Quad Comp. / Limiters – hard wired in Audio Suite Various Length Goose Necks Assorted Length - KTM Tripod Stands
House Intercom (wired)	8 channel infrastructure. All functional areas are hardwired 4 channel access to mobile port via Holding Room XLR Location. 1 Clear-Com MS-812A-9 Main Station (A & B Channel) 1 Clear-Com MX-820 matrix switcher 4 Single Channel Clear Com VHF wireless belt pack systems Stage Manager Mobile Cue Master Console



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Wireless

8 channels of telex B-800 com. Following is a list of house frequencies:

A-tx	B-tx
518.200	536.200
522.300	540.300

A-Rx	B-Rx
668.200	632.700
668.700	632.200
670.000	634.500
673.000	637.000

Portable Single

8 Beyer / clear com single or double muffs featherlites all noise canceling microphones
Com system contains a DUAL channel 'On-line' power supply back-up system.

TW12B Clear Com Communication Interface to House Communication Systems – dual channel.

In-House Permanent Com Positions:

- STG R Stage Carpenter Position
- LX booth
- Audio Suite
- Projection Room
- Fly Gallery
- DS Left & Right
- US Left & Right
- Spot Operator Position x 4
- Pit Lift
- Trap Room
- Dimmer Room
- Stage Carpenter's Office



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Microphone Compliment

Hard Wired

- 2 Electrovoice ND 408
- 8 Shure sm-57
- 4 Shure sm-58
- 4 Shure beta-87
- 1 AKG D-112
- 2 AKG 535 eb
- 1 AKG 451
- 2 Sennheiser MD 421
- 4 Crown pc 160 pzm microphones
- 4 Shure mx 418 gooseneck podium mics with 185 headshells
- 2 AKG 460eb
- 1 Shure beta 57a

Wireless Microphone System (*fixed receiver location in 2nd balcony audio suite*)

- 2 Shure u4d dual channel receivers
- 1 Shure ua845 antenna distribution system
- 1 Shure ua 888 networking interface
- 4 Shure 72 / beta 87 handheld microphones
- 4 Shure u1 / ua belt pack transmitters W/ M3 red dot lavalier