

Fergus Grand Theatre – Technical Information Package

The purpose of this document is to help user groups identify and refine the technical specifications of their events at the Fergus Grand Theatre. It's just a place to start – all users are strongly encouraged to contact the theatre directly to discuss their specific technical needs. Phone us at 519-846-969 ext 200, or email egoudie@centrewellington.ca.

Staffing

In the interests of health and safety, and protecting the theatre's technical assets, certain technical tasks must be done by an approved FGT Technician, while other tasks may be done by the rental client. The division of labor is as follows:

Approved FGT Technicians must be used to:

- Hang and focus all lights, and set up all other lighting equipment owned by FGT
- Set-up all sound equipment owned by FGT
- Set-up the projector and screen (one additional group volunteer is required)
- All rigging activities, including modifications to draperies
- Perform any other potentially hazardous task related to the event

User group staff and volunteers may (subject to approval) be used to:

- Program and operate the lighting board
- Operate the Follow Spot
- Set sound levels and other parameters on the sound board
- Operate the DVD player and/or digital projector
- Stage manage the show from the booth
- Assistant stage manage from backstage
- Work as scene changers, dressers, props people, and other backstage crew as required
- Assist approved FGT technicians in their duties as necessary

Although not necessarily required to be in the building for every hour of every event, almost all users will require at least one approved technician at some point during their rental. Since these technicians are not FGT staff but independent contractors, users are encouraged to arrange for their technicians as soon as possible after signing the rental contract.

Approved FGT Technicians (in alphabetical order, valid as of August 2018)

Frédéric Giguère

Email: frederic.giguere@live.ca

Phone: 519-846-1048

Bio: Frédéric Giguère is a technician with 5 years of experience in the technical field at the Fergus Grand Theatre and Centre Wellington District High School. He has experience in lighting and sound, including experience working with intelligent fixtures.

Qualified Skills:

- Observe health and safety policy compliance
- Protect FGT assets from theft, damage, unnecessary wear and tear
- Set-up and operate lighting, sound, and A-V equipment
- Running crew

Training and Certification:

- Graduate, FGT Technician Training Program
- Lift certification
- Standard First Aid certification
- CW Junior Citizen of the Year 2014

Rate: \$20/hour

Rob Klein



Email: rklein@wightman.ca

Phone: 519-843-7055

Bio: With over 25 years of experience in technical theatre, Robert specializes in lighting design and operation, as well as being an accomplished sound engineer and experienced rigger. A cabinet maker by trade, he also has some knowledge of set design and construction. Robert owns and operates Klein Event Services, a Pro audio and lighting company providing rentals, sales, consulting and production to the local community.

Qualified Skills:

- Observe health and safety policy compliance
- Protect FGT assets from theft, damage, unnecessary wear and tear
- Set-up and operate lighting, sound, and A-V equipment
- Perform rigging activities
- Running crew

Training and Certification:

- Medical first responder in First Aid and AED
- Ladder Safety
- Fall Arrest

Rate: \$150 minimum for up to 5 hour call, \$30 per hour for each additional hour

David Tanner



Email: dtanner@sentex.net

Phone: 519-831-3263

Bio: David has over 35 years of experience working in sound, and has worked at venues from the smallest clubs to the largest stadiums. He also brings an extensive knowledge of music, AV equipment, computers, and electronics to his clients.

Qualified Skills:

- Observe health and safety policy compliance
- Protect FGT assets from theft, damage, unnecessary wear and tear
- Set-up and operate sound and A-V equipment
- Operate lighting equipment
- Running crew

Training and Certification:

- Electronic Technician/Technologist – Radio College of Canada
- Ladder Safety
- Working at Heights/Fall Prevention
- Aerial Work Platform

Rate: \$30 per hour or \$150 per day

Jeremy Woods



Email: info@digitaldjs.ca

Phone: 519-787-4700 (day) 519-843-4527 (eve)

Bio: Jeremy is a professional DJ and A/V tech, with over 20 years' experience in mixing, corporate events, and system set-up. His main strength is in audio, but he is willing to work in all areas, and works well under pressure. Jeremy has a large collection of A/V gear that clients can rent for their events.

Qualified Skills:

- Observe health and safety policy compliance

- Protect FGT assets from theft, damage, unnecessary wear and tear
- Set-up and operate sound and A-V equipment
- Operate lighting equipment
- Running crew

Training and Certification:

- Member, Canadian Professional Disc Jockey Association
- Licensed by the Audio Visual Licensing Association
- WHMIS, First-Aid
- Fall Protection

Rate: \$35 per hour

Technical Policies

Lighting

- There is a house plot hung for your convenience. It has been designed to accommodate the widest possible variety of lighting needs. Any changes to the House Plot must be done by an approved FGT technician at the renter's cost, and the original hang and focus must be restored, again at the renter's cost, as the conclusion of the event. The House Plot is flexible enough that the vast majority of user groups, with proper advance consultation, should be able to meet their event's artistic needs with little or no changes to the House Plot.
- All lights must be hung, cabled and focused by an approved FGT technician.
- Please do not re-program sub-masters and shortcuts – they are part of the house plot.
- The follow spot is stored in the tech office. It will be moved into the booth for your event upon request. **For safety reasons we no longer operate the follow spot from the balcony.**

Sound

- The main PA is set up for all events. All other speakers, cables, microphones, DI's and other audio equipment must be set up by an approved FGT technician.
- User group member may set levels and other parameters on the sound board and assist an approved FGT technician as necessary, subject to the technician's approval.
- User group members may operate the sound board during rehearsals and performances after receiving training from an approved FGT technician.

Rigging

- All items affixed to the grid (regardless of weight) must be installed, altered, and removed by an approved FGT technician. No user group member may rig anything under any circumstances.

Projection

- The digital projector and screen must be set-up by an approved FGT technician. At least one user group member must be available to assist with assembly/disassembly of the screen.
- User group members may operate the projection system during rehearsals and performances after receiving training from an approved FGT technician.

Ladder use

- The on-stage ladders may be used (for non-lighting purposes) by anyone with valid ladder safety certification. Do not use a harness. Using the Front-of-House ladder to access the FOH lighting

pipe is extremely dangerous, and must be done by the Theatre Coordinator only. Changes to the FOH lighting pipe are strongly discouraged.

Set Construction

- All excess construction material and debris must be removed as it is created
- The set must not present any danger to Theatre staff and volunteers, as well as the cast and crew, and must meet Ministry of Labour and Ontario Health and Safety requirements
- The set must not block backstage crossover, or the safe exit of cast and crew from backstage in the event of an emergency evacuation
- The set (including props and furniture pieces) must not impede the traversing of the main curtain, which is part of the theatre's fire suppression system
- The set must not exceed 11 feet high, to maintain a safe working distance from the lights
- All scenery, props and other show materials not owned by the theatre must be removed by the renter during the load-out
- The Theatre reserves the right to request changes to the set if any of the noted conditions are not met.

Other Technical Considerations:

- **Non-theatre equipment:** It is the user's responsibility to furnish and pay for any technical equipment in excess of that provided by the theatre. All equipment must be inspected and approved by the Theatre Coordinator or an approved FGT technician prior to use.
- **Technical Booth:** No food or drink is allowed in the tech booth at any time.
- **Shoes:** Shoes must be worn at all times, with the exception of the dressing rooms, or where artistic license demands during a performance.
- **Flame and Pyrotechnics:** No open flame of any kind, including but not limited to explosives, fireworks, lighters, candles, matches, cigarettes or cigars, for any duration, will be allowed inside the theatre or onstage at any time. No pyrotechnics are allowed.
- **Electrical Room and stage pockets:** The electrical room and under-stage pockets are not to be used at any time for storage, temporary or otherwise, and are to be kept clear at all times.
- **Dressing Rooms:** There are two small dressing rooms backstage, and this is the only space available for cast wardrobes. Dressing rooms are to be cleared out completely during the load-out, and no costume pieces, garbage, or other items are to be left behind.
- **Walk-through:** The Theatre Coordinator reserves the right to conduct a walk-through inspection of the theatre and its equipment at any time during a rental, with or without the renter, to ensure the structural integrity of scenery, the operation of the fire curtain, the condition of the theatre's assets, and observe compliance with Ministry of Labour and Ontario Health and Safety regulations.

Instrument Schedule

Note: please check in LightFactory for the most up-to-date dimmer and channel information.

Pipe	Instrument	Purpose	Dimmer	Channel	Gel	Notes
FOH Pipe	SL 23-50	SR Lav Fill	9	16	R51	
House L-R	SL 23-50	SR Pink Fill	63	18	R38	
	SL 23-50	SR Amb Fill	65	20	R09	
	Chauvet	Moving	193-203	81	Wheel	
	SL 15-32	SR Pros Special	67	22	O/W	
	Chauvet	Moving	204-214	82	Wheel	
	Jr. Zoom	DR Amb Face	1	1	R21	
	Jr. Zoom	DR Warm Face	68	6	R02	
	Jr. Zoom	DR Cool Face	12	11	R60	
	Jr. Zoom	UR Amb Face	11	2	R21	
	Jr. Zoom	UR Warm Face	66	7	R02	
	Jr. Zoom	UR Cool Face	2	12	R60	
	SL 15-32	SR Stage Special	15	23	O/W	
	Jr. Zoom	C Amb Face	6	3	R21	
	Jr. Zoom	C Warm Face	4	8	R02	
	SL 15-32	Centre Special	10	24	O/W	
	Jr. Zoom	C Cool Face	3	13	R60	
	SL 15-32	SL Stage Special	59	25	O/W	
	Jr. Zoom	UL Amb Face	7	4	R21	
	Jr. Zoom	UL W Face	61	9	R02	
	Jr. Zoom	UL Cool Face	4	14	R60	
	Jr. Zoom	DL Amb Face	8	5	R21	
	Jr. Zoom	DL Warm Face	62	10	R02	
	Jr. Zoom	DL Cool Face	64	15	R60	
	Chauvet	Moving	215-225	83	Wheel	
	SL 15-32	SL Pros Special	14	26	O/W	
	Chauvet	Moving	226-236	84	Wheel	
	SL 23-50	SL Amb Fill	13	21	R09	
	SL 23-50	SL Pink Fill	16	19	R38	
	SL 23-50	SL Lav Fill	60	17	R51	
LX 1	SL 23-50	DL Mag Tip	17	54	R346	
Stage L-R	V-bar LED	DL LED Tip	97-104	69	RGB	
	6" Fresnel	DL Blue Top	18	41	R68	
	8" Fresnel	DL Green Top	19	36	R91	
	6" Fresnel	DL Red Top	20	31	R26	
	PARnel	SL High Tip	21	57	O/W	
	18/34	DC Rover	22	60	O/W	
	6" Fresnel	C Blue Top	23	39	R68	

	8" Fresnel	C Green Top	24	34	R91	
	6" Fresnel	C Red Top	25	29	R26	
	PARnel	SR High Tip	26	56	O/W	
	6" Fresnel	DR Blue Top	27	37	O/W	
	8" Fresnel	DR Green Top	28	32	O/W	
	6" Fresnel	DR Red Top	29	27	O/W	
	V-bar LED	DR LED Tip	121-128	72	RGB	
	SL 23-50	DR Mag Tip	30	52	R346	
LX 2		Open circuit	31	67		
Stage L-R	V-bar LED	CL LED Tip	105-112	70	RGB	
	Cable UL	SL deck drop	32	61		
	PARnel	DL Amb Back	33	46	R321	
	PARnel	DL Lav Back	34	51	R54	
		Open circuit	35	66		
		Open circuit	36	65		
	PARnel	C Amb Back	37	44	R321	
		Open circuit	38	64		
	PARnel	C Lav Back	39	49	R54	
		Open Circuit	40	63		
	PARnel	DR Amb Back	41	42	R321	
	PARnel	DR Lav Back	42	47	R54	
	Cable UR	SR deck drop	44	62		
	V-bar LED	CR LED Tip	129-136	73	RGB	
		Open circuit	43	68		
LX 3 & 4	SL 23-50	UL Mag Tip	45		R346	
Stage L-R	V-bar Led	UL LED Tip	113 - 120	71	RGB	
	6" Fresnel	UL Blue Top	46	40	R68	
	PARnel	UL Amb Back	47	45	R321	
	8" Fresnel	UL Green Top	48	35	R91	
	PARnel	UL Lav Back	49	50	R54	
	6" Fresnel	UL Red Top	50	30	R26	
	8" Fresnel	UC Special	51	58	O/W	
	18/34	UC Rover	52	59	O/W	
	6" Fresnel	UR Blue Top	53	38	R68	
	PARnel	UR Amb Back	54	43	R321	
	8" Fresnel	UR Green Top	55	33	R91	
	PARnel	UR Lav Back	56	48	R54	
	6" Fresnel	UR Red Top	57	28	R26	
	V-bar LED	UR LED Tip	137-144	74	RGB	
	SL 23-50	UR Mag Tip	58	53	R436	
LX 5	V-bar LED	SL LED Cyc wash	145-152	75		
Stage L-R	V-bar LED	CL LED Cyc wash	153-160	76		
	V-bar LED	C LED Cyc wash	161-168	77		

	V-bar LED	C LED Cyc wash	169-176	78		
	V-bar LED	CR LED Cyc wash	177-184	79		
	V-bar LED	SR LED Cyc wash	185-192	80		

Technical Inventory and Specifications

Updated July 16th/2015 – See also FGT House plot, Instrument Schedule, Magic Sheet
Hyper-links are to specs/manuals where available. Hard copies in Tech office as well.

All FGT gear is labelled with Yellow/Green spike tape

Stage Dimensions:

- Proscenium opening: 27' 0" wide x 11' 0" high
- Width:
 - Useable width at plaster line: 27' 0"
 - Total width at plaster line: 31' 2"
 - Useable width at back traveler: 21' 0"
 - Total width at back traveler: 27' 0"
- Depth:
 - Plaster line to back traveler: 14' 0"
 - Front of apron to back traveler: 18' 0"
 - Front of apron to dressing room stairs: 27' 0"
 - Back traveler to dressing room stairs: 9' 0"
- Height:
 - Deck to grid: 15' 0"
 - Deck to bottom of teasers: 11' 5"
- East-West Pipe Locations: *(relative to plaster line)*
 - Main valance: 0' 9"
 - Main traveler: 1' 4"
 - 1st Electrics: 2' 5"
 - 1st Legs: 3' 10"
 - 1st Valance: 4' 8"
 - 2nd Electrics: 5' 11"
 - 2nd Legs: 7' 2"
 - 2nd Valance: 7' 8"
 - Mid-stage traveler: 8' 2"
 - 3rd Electrics: 9' 1"
 - 4th Electrics: 10' 9"
 - 3rd Legs: 11' 7"
 - 3rd Valance: 12' 3"
 - 5th LX: 12' 9"
 - Back traveler: 13' 5"
 - Scrim traveler: 14' 2"
 - Cyc traveler: 14' 7"
- North-South Pipe Locations: *(relative to SR proscenium)*
 - A Electrics: 0' 6"
 - B Electrics: 9' 6"
 - C Electrics: 17' 6"

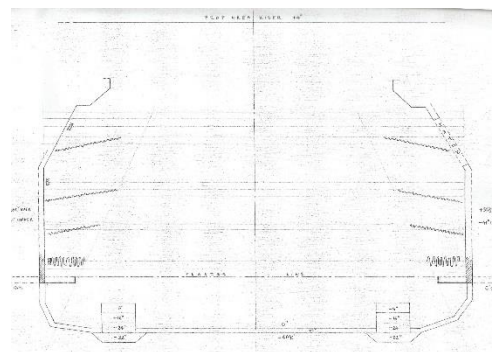


Figure 1: Stage Layout. Drawing not to scale.

- D Electrics: 26' 6"
- Please note: While the apron may be used for both scenery and performance due to fire regulations the main curtain must be able to close unimpeded at all times.

Lighting:

- *Consoles, control and dimmers:*
 - Laptop computer with [LightFactory v 2.0](#) installed
 - [Strand LBX 125](#), Genius v 1.2, Kaleidoscope/Communique installed – out of service
 - [Elation Professional Midicon](#) “Wing board” for use with LightFactory
 - [Ennttec DMX USB Pro MK 2](#)
 - [Strand CD 80 Dimmer rack](#) with 68 2.4Kw Dimmers installed
 - 68 Circuits hardwired from Dimmers to Grid (*see house plot*)
 - DMX line from booth to Dimmers/Splitter, DMX cables to V-Bars
- *Instruments (see house plot for placement – all instruments are in use):*
 - 4 [Chauvet Intimidator Scan LED 300](#) Intelligent Fixtures (*on FOH pipe*)
 - 5 [Strand SL 15/32's](#)
 - 10 [Strand SL 23/50's](#)
 - 12 [ETC Source 4 Junior Zooms](#)
 - 2 [Philips Selecon Acclaim Axial 18-34 Zoomspots](#)
 - 10 [Rama 6" Fresnels](#)
 - 6 1K 8" Fresnels - 3 [Levitron](#) and 3 [Altman 75Q](#)
 - 12 [Source 4 Parnels](#)
 - 12 [VersaBar 270](#) LED Cyc Lights
 - [Lycian Midget II Quartz Model 1212 Follow Spot](#) with laser spike
 - Blue running lights DL, UL, UC, UR, DR (*more in Tech Office if needed*)
- *Other Lighting Equipment:*
 - [Leviton DMX SM-H18 Splitter](#)
 - 5', 10' and 20' Twist-lock cables, some u-ground cables, various lengths
 - 4 Female U-ground to Male Twist-lock adaptors
 - A limited selection of 3-pin and 5-pin DMX cables and adaptors
 - 3 Round iron floor floats
 - 2 25' strands of clear outdoor Christmas lights
 - 2 [D-Split DMX](#) splitters
 - Small selection of Gobo holders, gobos, black wrap, etc
 - 1 [Rosco Infinity motor](#) with with [Rosco 30016 Dot Break-up Wheel](#)
 - Gel inventory and gel supplies
 - Replacement bulb inventory
 - Glow tape and spike tape – please see FGT staff for permission to use

Draperies:

- Red Main traveler, mid-stage parting, with red valance
- Black mid-stage and upstage travelers, mid-stage parting
- 3 black valences set between 1st & 2nd LX, 2nd & 3rd LX and 4th & 5th LX
- 3 black legs on either side of stage, adjustable onstage/offstage and angle
- Black or white scrim, US of back trav, moves SL to SR (white scrim is default)
- White Cyc upstage of scrim and trav, moves SL to SR

Communication:

- MS 22 Clear-com 2 channel main station
- 4 [BP-1 Production Intercom](#) Headsets/Belt packs
- House Manager's Clear-com in FOH
- Blue XLR cables for Clear-com use
- [Radio com BTR 700 Wireless Clearcom Mainstation](#)
- 2 [Telex Radiocom TR 700 Wireless Headsets and Belt packs](#) (with 2 batteries each – stored in booth with battery charger)

Projection:

- [Christie LW555 Multimedia Projector](#) – in road case underneath SR dressing room stairs
 - Short Throw Lens – LNS-W21 Short fixed
 - Long Throw Lens – LNS-S20 Standard
 - Bag of cables, adaptors and other equipment for projector in road case
- Ports for connecting to projector upstage center, on front of stage, and in booth
- Project-O-stand collapsible table next to road case underneath stairs
- In-booth projector remote control
- 2 [Da-Lite Projection Screens](#) –in SL pocket
 - 6x9 front-and-rear projection, with truss frame and dress kit
 - 10x17 front-and-rear projection, with truss frame and in-house dressing
- [Sony BDP S470 3D Blu-ray DVD Player](#) with remote, in booth

Sound:

- *Main rack:*
 - Main Amps: 3 [GX7 Power Amps](#)
 - Main PA: 2 [EV QRX 115](#) 15" high-mid speakers, dual 18" subwoofer
 - Monitor amps: 2 [Channel QSC Audio RMX 1450](#)
 - [Symetrix Jupiter 8](#) Digital Crossover
 - Inputs from 6 Overhead mics: 3 Shure Microflex MX202B/C, 3 others
 - Input jumper from SR wing
- *Snakes:*
 - 24/4 Snake w Aux lines for Trunk, Monitors, CC from backstage to booth
 - 2 [Digiflex 12-4 snakes](#) from Upstage Centre to mid-house mixing position
 - 8 Channel 50' fan snake for use as jumper from main snake to UC snakes
- *In tech booth:*
 - [Preonus Studiolive 24.4.2](#) digital mixer w Capture v1.0 software
 - [American Audio MCD 510](#) dual CD/MP3 players with controller
 - [Shure SLX Lavalier with receiver](#) (2)
 - 1 [Shure PGX Wireless SM 58 Kit](#)
 - One table-top mic stand
- *Stage Right Hallway: (cabinets in order from downstage to upstage)*
 - Cabinet 1:
 - 2 sets of black folding chairs (do not use)
 - Large screen and dressing kit
 - Cabinet 2:
 - 13 tri-pod mic stands with extensions

- 4 pedestal mic stands (3 extensions)
- 5 music stands (between cabinets 2 and 3)
- Cabinet 3:
 - 2 [EV ELX 115 15"](#) monitor speakers
 - 2 [EV ZLX-12 12"](#) powered speakers
 - 2 black [10" JBL](#) powered speakers
- Cabinet 4:
 - Small Screen and dressing kit
 - Drum Mic Kit (Touring rig)
 - Microphone box, containing:
 - 9 [Shure SM 58](#) microphones
 - 6 [Shure SM 57](#) microphone
 - 3 [Shure Microflex 393/C](#) Condenser Mics
 - [Shure SLX Lav](#), with headset mic or lapel mic
 - [Shure SLX Lav](#), with headset mic or guitar pack
 - 1 [Shure Microflex MX412](#) gooseneck mic for podium
 - 5 [Behringer Ultra DI 400P](#) Passive DI Boxes
 - Various Audio Adaptors
 - Rigging/LX boxes and [Rosco Delta Hazer](#) with fluid (between cabinets 4 and 5)
- Cabinet 5:
 - Hockey bag for gear transport (deep storage)
 - Continental risers (deep storage)
 - Cable bin: 29 @ 25', 2 @ 50' 1 @ 6', a few ¼", 2 50' Speak-on, 8-ch fan snake
- Cabinet 5: Touring Rig components
 - **Drum Mic Kit:** *(additional strip of dark green tape)*
 - 1 [Sennheiser Drum Pack III](#)
 - 1 [Shure SM 57](#) microphone
 - 2 K&M tall boom mic stands
 - 1 V-base kick-mic stand
 - 1 K&M short boom mic stand
 - **Touring Kit:** *(additional strip of blue tape)*
 - [Phonic Helix 24](#) analogue mixer
 - 4 [QSC K10 powered speakers](#)
 - 4 [K&M speaker stands](#)
 - 2 [Shure SM 58](#) microphones
 - 3 K&M tall boom mic stands
 - 10 25' XLR cables
 - 2 1/8" to RCA adaptors

This equipment is the property of an outside group, stored at the theatre for our use when it is not required offsite. If you would like to use these items please check availability with the theatre prior to load-in.

House Audio Patch: *Please return the board and booth snake to the following configuration at the conclusion of your event.*

Inputs	Use	Outputs	Use
1-6	Overhead Microphones	Mains L/R	Main Speakers
7	Quick-line	Subgroup 1	Overhead Microphones

8-15	Open		Subgroup 2	Open
16	Wireless #1		Subgroup 3	Open
17	Wireless #2		Subgroup 4	Open
18	Stereo Mini Input		Aux Out 1	Monitors 1
19-20	CD1		Aux Out 2	Monitors 2
21-22	CD2		Aux Out 3	Subwoofer
23-24	DVD		Aux Out 4-10	Open

Other Equipment and facilities:

- 60 black padded folding chairs (in cabinets underneath front of stage)
- 2 small dressing rooms with Mirrors, counter, racks (no paging or program sound)
- Garment steamer (in dressing room)
- Carpet cleaner (in tech office)
- Backstage washroom with sink and toilet
- [1 VFI lectern podium](#) – under SL dressing room stairs
- 10 gray plastic folding chairs in dressing rooms
- 12 black card tables (in cabinets underneath front of stage)
- Mini-fridge (underneath props table)
- Storage container for curtain bags (underneath stage right dressing room stairs)
- Broom and dry mop (wet mop available upon request)
- 3-panel drum shield, under SL dressing room stairs
- 2 A-frame ladders for on-deck work, 1 large A-frame ladder for FOH work
- Counter-rake for FOH ladder – in SL stage pocket
- Small selection of cable mats – under SL dressing room stairs
- Small selection of jacks and whalers (FGT stock)
- Box of client tools – under SR dressing room stairs
- First-Aid kits and Fire extinguishers located throughout building, backstage areas