

# The Port Theatre Technical Specifications

## ADDRESS

**The Port Theatre**  
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## THEATRE STAFF

Technical Director: Jim Kent (250) 754-4555 local # 315 E-mail [jkent@porttheatre.com](mailto:jkent@porttheatre.com)

Assistant Technical Directors:

Jason Pouliot : Head of Lighting  
Lee Billwiller: Head of Audio  
Ken Swain: Head Carpenter

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## SEATING CAPACITY

Orchestra Lift (skid mtd.):	35
Lobby Level Fixed:	178
Gallery Level Fixed:	364
<u>Balcony Level Fixed:</u>	<u>227</u>
<b>Total seating:</b>	<b>804</b>

The Port Theatre is a proscenium Theatre with an elevating apron which acts as a thrust stage, an orchestra pit or theatre seating. The theatre has an adjustable Proscenium opening ...from 42' to 48'. See plans for more detailed information. The theatre space works equally well as a concert hall with variable acoustics and an RPG acoustical enclosure.

The Port Theatre operates with an on call roster of theatre technicians. The theatre will supply any or all crew for load-in, performance and load-out. When using house equipment the house will have a minimum crew requirement for each dept. ie: flys / audio / lighting. All crewing will be coordinated with the T.D. of the Port Theatre. Crew size will be determined in discussion with the T.D. to ensure safe, efficient procedures are in place at all times.

All crew requests shall be handled by the T.D. Please contact well in advance.

*Crewing :*

Dept. Heads on each theatre system utilized ie: Audio, Lighting, Flys  
Equipment operators and grips as deemed necessary  
Please note new rates as of **Jan 2010**

All work on stage must comply with current safety regulations. The Port Theatre endeavors to be a leader in Occupational Health and Safety.

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## STAGE HOUSE

### Rigging System

Type: Single purchase counterweight  
Weight: +/-8,000kg live load counterweight available on loading floors  
Line Sets: **44** counterweight sets at 6" & 9" centers,  
6 lift lines per set....62' long battens with travel from +4' to +67'3"  
**23** linesets available after house drape and electrics (see drawings )  
Line-Sets operated from stage deck and fly gallery SL.  
5 tracked lighting ladders each side of stage  
Arbors: 1500lb (6" sets) and 1800lb (9" sets) live load capacities; (2) loading galleries.  
Grid Iron: 75'6" above stage floor with 7'6" clear to roof steel. Gridiron deck is Borden L14A  
welded steel open grating.  
Deck rating: 350lb point (1400lb sq ft) Upper steel rating: 2000lb point  
2000lb on moveable motor stands Rated points on catwalks 2000lb  
Misc.: Two motor stands on grid deck for spot rigging (one ton each) through deck  
Spiral stair access to loading galleries and grid.  
Stage Size: Stage depth is 35' 9" from Cyc to proscenium masonry line  
Proscenium width is variable from 47' 11" to 42' 4"  
House opening between legs is 40'.  
House border trim is 21'  
Receiving area S.R. is 13' x 35' with stage level loading dock.

### Stage Equipment

**Steinway "D"** 9' Grand piano available. For user fee structure and tuning costs contact TD.

**RPG** Acoustical enclosure available: Two ceiling panels and twelve 14' towers w/variable facings

**Heintzman** upright piano available

**Wenger risers:** 35 available. Legs range from 8" to 40". Please contact TD for details

JLG man lift with 36' working height  
120 orchestra chairs available (straight back, padded, grey upholstered)  
6 music stands in stock. Extra music stands and lights available by request  
Basic hand tools on site

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## Soft Goods

House Curtain is Bi-part and counterweighted guillotine operated from SL.  
House inventory of stage masking (see stage plan & section for legs and borders).  
White Cyc 61' x 32'  
Black scrim 61' x 32'  
U.S. Full black 61' x 31' with fullness...no traveller track

## Orchestra Pit / Thrust stage

Orch. Pit: 504 ft<sup>2</sup> Orchestra Pit depression with a spiral lift which provides 8' 11" of vertical travel. Auto stops at stage, audience and pit level. Note: Stage apron extends 5' 7" DS of plaster line to US pit edge. See drawings for further explanation.  
Stage Ext.: Chairs for the first 2 rows of orchestra seating section mounted on skids on orchestra lift deck. Chair storage provided at lower level, d.s. of Orchestra Pit.

## BACKSTAGE

Loading: There is one garage style roll door on the dock to the receiving area ( 16' high x 11'9" wide, 33" above grade ) with a straight shot to one sound proof door leading to the stage.  
Dock plate available for low or high riding trucks.  
Wardrobe: Domestic washer and Dryer located on 2<sup>nd</sup> floor dressing room level.  
Iron, ironing board and steamer available upon request  
Green Room: At stage level. ADSL available.

## Dressing Rooms

Solo Rooms: Women: Stage Level, Toilet and Shower included, 6 mirrors and chairs.  
Men: Stage Level, Toilet and Shower included, 11 mirrors and chairs.  
Chorus: Women: 2<sup>nd</sup> Floor, Toilet and Shower included, 19 mirrors and chairs  
Men: 2<sup>nd</sup> Floor, Toilet and Shower included, 18 mirrors and chairs

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## ELECTRICS

### Guest Power / Company Switches:

- Lighting** - Two 400A, 3-phase, 4 wire + ground, 120/208VAC,  
**Camlok #E1016 plugs**  
\* no bare wire tie-in possible  
one 50amp stove plug
- Audio** - One 200A, 3-phase, 4 wire + ground, 120/208VAC,  
**Camlok #E1016 plugs**  
\* no bare wire tie-in possible  
one 50amp stove plug

Note : Ground and Neutral connectors are reversed...turn-arounds available  
One portable 50 amp a/c distribution panel available for stage or lobby use

One 100/200 amp fused disconnect available for stage use

## Theatrical Lighting, Dimming and Control

- Control:** **ETC Express 72/144** and focus remote.  
Distributed DMX-512 network to lighting positions each with Opti-Splitters  
(Two DMX-512 universes total).
- Dimming:** Dimming System consists of ETC Sensor racks. **358 @ 20A** . ( dimmers /  
circuits) Circuits distributed with twistlock (20A) receptacles. 6-circuit multi cables  
with individual breakouts provided. No permanent electrics - stage electrics are  
served as needed from fly gallery overhead. Please contact the T.D. regarding re -  
circuiting to locations other than house hang...as the system does not have the full  
compliment of dimmers it can be awkward and time consuming to re-cable.
- FOH** First Catwalk: (16) 20A circuits.  
**Positions:** Second Catwalk: (38) 20A circuits,(2) 50A circuits.  
Third Catwalk: (18) 20A circuits, (1) 50A circuit.  
Balcony Rail: (13) 20A circuits.  
Box Booms: (24) 20A circuits each side. Box Fronts: (4) 20A circuits each side.  
Follow Spot Booth: 27M to Proscenium, (2) 50A circuits, (2) 20A circuits.  
Control Booth: 24M to Proscenium, (2) 20A circuits.

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## Theatrical Lighting Fixtures

Follow spots-2 **Lycian M2** @ 1200w HMI (charge per use...please contact the T.D.)

ETC Source Four #410 barrels only	6
ETC Source Four #419 @ 575w	36
ETC Source Four #426 @ 575w	74
ETC Source Four #436 @ 575w	37
ETC Source Four #450 @ 575w	20
ETC Source Four Par @ 750w	63
FE Lighting Par 64 1000w	40
ETC Source Four ParNEL @ 750w	30
Selecon Aurora 4 cell cyc units	8
FE 2 cell cyc strip 1000w (as ground row)	12
Chroma – Q digital color scroller	21
Rosco I-Q dmx mirror	16
ETC pattern holder 400-PHA	24
Iris unit	16

\* *small selection of spare source 4 bodies and barrels: details contact TD*

\* *Limited number of extension cables available after house hang:*

\* *Cue light system available: details contact T.D.*

# The Port Theatre Technical Specifications

## Audio Systems

### FOH Console:

Midas Heritage 2000 Console 44mono 4 stereo  
Yamaha O1V Digital Console

### Main System details:

There is a dedicated live mix position in the House as well as Booth hook-up.  
The house speaker system:

Adamson Spectrix Line array.... 12 boxes per side  
Adamson Spectrix sub one per side  
Lab Gruppen amplifiers (6 x 3400, 2 x 6400)  
Lake Contour processing (PC tablet at FOH)  
SMAART Live

### Lip and Balcony Fill

1 -UB-42 EAW Balcony fill cabinet on centre  
3 - JF-80 EAW Lip speakers left, right and centre

### Onstage / Monitors

1- AH GL 4800 Monitor console, 40 ch + 4 stereo, 8 aux, 8 group outputs  
8 - Channels of Ashley Protea digital E.Q. c/w remote  
2- Crest CA6 and 3 Crest CA9 series power amplifiers  
3 - EAW 122e wedges (passive)  
4 – Adamson MX 12 wedges (passive or bi-amped)  
2 – Bi-amped side fills. Community SLS 920 cabinets c/w SBS dble 12” subs.

**40 channel Jensen transformer microphone split onstage DSR**

### Microphones and stands:

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- 2 – Radial Di's
- 2 - Dod Di's
- 4 - BSS Di's
- 4 - Shure KSM 137
- 5 - Beta 58
- 2 – SM 58
- 6 – SM 57
- 3 - Shure SM 91
- 2 - Micro flex podium mic
- 1 - Micro-flex hanging mic
- 2 - AKG 535
- 2 - CAD 100e (Matched pair)
- 2 - Shure SM 81
- 2 - Sennheiser 421
- 2- Sennheiser Wireless ch. EW300 G2 lav / handheld
- 1 – Countryman headset
- 10 - K & M mic stands c/w booms
- 5 - Atlas straight stands
- 3 - K & M half stands c/w booms
- 2 – Schoeps CMC 6 MK5

## **FX/Processing**

- 1 - SPX 90 II
- 1 - SPX 990
- 1 - Drawmer DL 441 4 channel comp/limiter
- 1 - DBX 166A stereo comp/limiter
- 1 - Rane 1/3 octave EQ. (stereo)
- 2 - Tascam 112MK II - Cassette decks
- 1 - Tascam CD-401MK-II CD player
- 1 - Denon dual CD player

## **Available upon request**

- 1 - Protea Crossover with PC control
- 4 - Community SLS 960
- 1 - Community SBS-25 double 15" subs as ground stack
- 1 - JBL EVO cabinet
- 2 - Crest CA6 / 2 Crest CA9 amplifiers (in booth, patchable)

**Clear Com:**

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8 belt packs and head sets / phone at Audio  
2 channels of Telex wireless com.  
HME 4 channels Wireless com

Program sound available to all areas of the theatre  
Paging available in 2 zones...FOH and Backstage  
IR hearing impaired system available (12 units at audience Services)