

**J. M. ENNIS AUDITORIUM  
WELLAND CENTENNIAL SECONDARY SCHOOL  
WELLAND, ONTARIO**

**THEATRE TECHNICAL INFORMATION Revised Nov 20, 2017**

**Basic description of Performing Space:** Proscenium

**Theatre Seating Capacity:** 1,052

- Upper house 450
- Lower house 602

**Rehearsal Hall:**

- None

**Union House:** No

**Other Union Requirements:** CUPE- Caretaking

**Stage Dimensions:**

- **Height of Proscenium Opening:**
- Maximum: 20 ft.
- Minimum: 16 ft.
- Trimmed by black border
  
- **Width of Proscenium Opening:**
- Maximum: 50 ft.
- The main curtain opens to 50 ft., but the distance between the legs and the open mid-stage traveler on lines 5, 9 and 14 is 44 ft.
- The legs are now hung right on the ends of the pipes.
  
- **Distance from Front Curtain to Back Wall:**
- 24 ft. 10 in.
  
- **Wing Space:**
- SR and SL: 18 ft. 8 ½ in. (SL 11 ft. 4 in. and SR 10 ft. 4 ½ in. clear space.)
  
- **Apron to Back wall:**
- 40 ft. 8 in.
  
- **Width of stage Wall to Wall:**
- 89 ft. 10 ½ in

- **Crossover Depth:**
- 3 ft. behind rear curtain.
  
- **Stage Floor:**
- Level with no trap doors.
- Resilient and made from soft wood on sleepers over concrete.
- Covered with tempered hard board and painted with black Rosco Tough Prime and not nailable.
- The front 10 ft. 8 in. depth between the stairs has a load rating is 300 pounds per square foot evenly distributed.
- No Marly or Roscoe floor is available.
  
- **Width of Apron's front line:**
- 39 ft. 4 in. between stairs at narrowest point
- 43 ft. 4 in. between stairs at widest point
- 24 ft. 3 in. across front edge of apron
  
- **Effective distance from Front Curtain to Rear Curtain:**
- The measured clear distance between the fullness of the curtains is 20 ft. 4 in.
- The distance from the apron to the fullness of the rear curtain is 36 ft. 2 in.
- The distance from the apron to the fullness of the main curtain is 15 ft. 8 in.
- The back wall is black painted concrete block with radiation convectors along the bottom.
- There is a roll-up screen bolted to the back wall with a few in. of screen showing all the time. This screen is not useable.
- Bottom of cyc is 7 ft. off the floor when flown.
- There are some light coloured dirty marks on the wall.
  
- **Steps up to the stage:**
- 4 - steps to the stage
- Height of 7 ½ in. each, and the depth is 10 ½ in.
- The height from the auditorium floor to the stage floor is 37.5 in.
- The top step is 74 in. wide and the bottom step is 49 in. wide.
- There are two steps into the under forestage area with a height of 6 in., a depth of 10 in. and a width of 35 in.

## **Stage Rigging:**

- Working Height: 40 ft. Ceiling - no grid.
- 35 ft. 4 in. Flying Height
- Bottom of any flown scenery has to be about 20 ft. off the floor to be hidden with borders at 16 ft.
- Bottom of roof beams 43 ft. 6 in. off floor.
  
- **Fly System:**
- 4 line Hemp - Limited capacity. Trim clamp or sundays and sand bag counterweighting
- 3 hand winches for electric pipes. Can be operated with portable drill

- Length of Pipes: 60 ft.
- Diameter of pipes 1 ¼in. aluminum (Electric pipes 1 ½ in. Schedule 40 Vertical truss)
- **Pin rail location:**
- Stage left
- Height off Stage Floor: 12 ft. to floor of catwalk.

## **Lighting:**

- **Line Plot:**
- See drawings
- Work lights controlled DSL, booth, FOH and sound desk
- **House Lights:**
- On/off control at 3 entrances and sound desk, Dimming control DSL and booth.
- **Lighting and Electrics:**
- House power available: 400 amp 3-phase 4-wire 120/208 volts for house lighting, dressing rooms, misc. receptacles and auxiliary power.
- Two 50 amp (14-50R) stove plugs 120/208 volt 3 pole 4 wire located down stage left wing.
- Location of power for auxiliary board: Down stage left wing.
- Amperage available for auxiliary power: 1 - 400 amp 3 phase 4 wire 120/208 volt disconnect  
*Please note: This is part of the house power above.* This switch is equipped with Cam-Lok E1016 female connectors with additional male ground and neutral.
- There is a portable set of tails terminating in a 200 amp 3 phase switch that can be used to connect bare wire tails. This connects to the 400 amp Cam-Loks
- **Stage Lighting:**
- 500 amps 120/208 volt 3 phase 4 wire
- 96 - ETC 2.4 Kw dimmers plus 24 Strand 2.4 Kw dimmers
- All dimmers are hard wired to stage outlets
- 7 - extra receptacles FOH and 4 – extra receptacles under forestage (patchable to dimmers 81 thru 92) at SL patch
- 15 amp u-ground non dim power available (6 circuits total, supplied from the house power panels)
  - 1 circuit VL12 6 receptacles FOH
  - 1 circuit VL14 1 receptacle SR tormentor
  - 1 circuit VL10 1 receptacle SL tormentor
  - 1 circuit VL28 3 receptacles LX1 and fly floor& by panel for DMX splitters
  - 1 circuit VL30 1 receptacle LX2
  - 1 circuit VL32 1 receptacle LX3
  - Plug-in relays are installed for 2 forestage booms and ground lights at cyc.
  - All switch off when control counter is turned off.
- **Control Desk:**
- Location: Booth – Centre top of upper level.
- ETC Express 48/96

- There is a wired RFU available for use on stage, at the sound desk and FOH
- DMX lines installed:
  - Stage left wing to Rack B port
  - 2 from booth to stage, one in use to DMX splitter
  - 2 from sound desk to stage
  - 2 from booth to sound desk
  - 1 from booth to rack A port (used for our Express control console)  
2 extension lines from the sound desk to the cross aisle wheel chair pedestal
  - 2 extension lines from DSL to FOH
  - Extension line from fly floor splitter to SL tormentor, to FOH, to SR tormentor and return to FOH
  - 2 extension lines from DSL to USL one in use from splitter to upstage left
  - 3 extension lines from fly floor splitter to each of LX 1, LX 2, LX3
  - 2 Extension lines from sound desk to pedestal
- **Available Lighting Instruments:**
  - 26 - Strand 2208 6in. Fresnels: lamped 750 watt
  - 22 - MC Lights L6200 6in. Fresnels lamped 750 watt
  - 12 - Barn Doors 7 ½in. 4 leaf large pattern
  - 14 - Barn Doors 7 ½in. Altman pattern
  - 2 - Barn Doors 7 ½ in FE type
  - 2 - Source Four LED Lustr 26 degree 130 watt
  - 2 - Source Four LED Lustr 36 degree 130 watt
  - 57 - Source Four Bodies lamped 575 watt
  - 2 - Source Four lens tubes 14 degree
  - 13 - Source Four lens tubes 19 degree
  - 31 - Source Four lens tubes 26 degree
  - 23 - Source Four lens tubes 36 degree
  - 8 - Source Four lens tubes 50 degree
  - 5 - Drop-in iris
  - 4 - A size Pattern holders for Source Four
  - 15 - B size Pattern holders for Source Four
  - 18 - Source Four PAR lamped 575 watt normally lensed WFL
  - 4 - Strand IRIS 3 section cyc lights lamped 1000 watt/ section
  - 1 - Strand Pat 23N lamped 500 watt
  - 2 - Strand Pat 23 lamped 500 watt
  - 3 - Chauvet Slim PAR 64
  - 2 - Chauvet Ovation F-165WW LED focusing wash light presently used as FOH work lights
  - 6 - PR Lighting X-PAR LED 55 watt
  - 8 - Chauvet Colorado 1-Tri Tour LED 88 watt
  - 16 - Broadway music stand lights
  - 6 - 8 foot boom stands
  - 2 - Mounted boom stands over stage stairs SR, SL
  - 2 - Chauvet DataStream 4 DMX splitter
  - 3 - Chauvet DiFi wireless hubs

- **Gel Frames:**
- Available for all instruments.
- **Colour Media:**
- Limited amount of Roscolux and very limited amount of Lee available. With enough lead time additional colour can be supplied at a cost.
- **Type of plug:**
- NEMA L5-20R twist-lock
- NEMA 5-15 u-ground for LED instruments

## **Stage Drapery:**

- **Main Curtain: (traveler)**
- Manual draw from stage left.
- Plum colour, velour, pleated.
- **Legs:**
- 2 – Pairs (H 24 ft. x W7 ft.)
- Black commando cloth, pleated.
- **Borders:**
- 4 (H8 ft. x W60 ft.)
- Black commando cloth, Borders 1, 2 and 3 are pleated. #4 is flat,
- **Travelers**
- Mid stage traveler
  - Manual draw, from stage left
  - 23 ft. 6 in. high
  - Black Commando cloth, pleated
  - Also acts as a set of legs
- Rear stage traveler
  - Manual draw, from stage left
  - 27 ft. 2 in. high
  - Black Commando cloth, pleated
- **Cyclorama: (ADDITIONAL RENTAL COST ITEM)**
- 50 ft. x 27 ft. FR white leno-filled scrim

## **Dressing Rooms:**

- 2 - Dressing rooms back stage, located upstairs one SL and one SR. They will accommodate 15 people each, there are mirrors, lights, chairs, tables, clothes racks, sinks, toilets, and the room SL has a shower.
- Additional dressing rooms would have to be in classrooms where there are no mirrors but there are convenient washrooms nearby. Classrooms are not available during school hours.

## **Wardrobe:**

- 1 - Washer
- 1 – Dryer
- 1 – Steam Iron
- 1 – Ironing Board
- 1 - steamer

## **Loading Area:**

- Location of loading dock: S.L. rear (loading door is at stage level and opens directly onto stage).
- **Loading Dock:**
  - Door Sill is 19 in. above ramp.
  - Ramp is 20 ft. long with a rise of 20 in. from the parking lot.
- **Loading Door:**
  - Max Width: 9 ft. 8 in.
  - Max Height: 9 ft. 4 in.

## **Sound:**

- An in house snake from DSL to the sound desk has 25 sends and two returns, XLR balanced lines, with 9 of the sends interrupted in the control room.
- There are 6 dedicated XLR returns from the sound desk to the amp rack.
- There are 9 installed XLR mic lines from the front of the stage to the area of the DSL snake termination
- There are 4 installed XLR mic lines from under the SL forestage to the area of the DSL snake termination.
- There are 9 installed XLR mic lines from the upstage wall to the area of the DSL snake termination
- There are 13 installed XLR mic lines from the fly floor to the area of the DSL snake termination
- There are 5 installed XLR mic lines from FOH to the area of the DSL snake termination
- There are 4 sends and 4 XLR returns from the sound desk to the cross aisle wheel chair pedestal
- There are 12 XLR from Sound Desk to Music Room with 3 interrupted in the cafeteria.

## **CAT5e STAND ALONE CABLES**

- There is 1 CAT 5 cable installed from the Lighting Desk to DSL
- There is 1 CAT 5 cable installed from SR to SL
- There is 1 CAT 5 cable installed from the Lighting Desk to DSL
- There is 1 CAT 5 cable installed from Pedestal to DSL

- There is 1 CAT 5 cable installed from Pedestal to USL
- There is 1 CAT 5 cable installed from Sound Desk to DSL
- There is 1 CAT 5 cable installed from Sound Desk to USL
- The cat 5 cables can be used for sound or lighting control

**Location of Sound Desk:**

- Lower centre of upper level.

• **Console:**

- Soundcraft GB2 – 24+2x4x2 with 6 Aux. Plus 6x2 Matrix

• **Speakers:**

- 4 – EV Xi-1152A-94F Bi-amped 15in. cabinets
- 2 – EV Xi-1122-85F for rear fill
- 2 – DPM 18B 1200W single 18in. subwoofer
- 2 – EV DX38 Processor
- 1 – EV DX34 Processor

• **Stage Monitors: (ADDITIONAL RENTAL COST ITEM)**

- 4 – EV Force 1 Monitors
- 2 – Toa SL-120M Wedge Speakers

**Monitor Jacks**

- SL pros Speakon jacks for monitor 1, 2, 3, 4
  - ¼" jacks for monitor 1, 2, 3, 4
  - ¼" jacks to patch forestage jacks A, B, C, D
- US wall Speakon & ¼" jacks for monitor 3, 4
- Stage front centre Speakon jacks B, C, patchable SL pros
- Under Stage L & R ¼' jacks A, D patchable SL pros

• **Amplifiers:**

- 2 – EV CP3000S
- 2 – EV CP1200
- 1 – EV CP4000S
- 2 – EV Q66 for monitors

• **Processing:**

- 1 – TC Electronics M350 Multi Effects Processor
- 1 – DBX 1046 Quad Compressor
- 1 – Ashley GQX 3102 Stereo 31-Band Equalizer for house
- 2 - Ashley MQX 2310 Stereo 31-Band Equalizer for monitors

• **Microphones:**

- **(TWO MICROPHONES SUPPLIED OTHERS ARE ADDITIONAL RENTAL COST ITEMS)**
- 6 – Shure SM-58
- 4 - Shure SM-57

- 4 – Shure Beta 57A
- 3 – Shure Beta 58A
- 1- Samson CO2H
- 2 - Samson CO2
- 1 – Shure Beta 52A
- 13 – EV RE-2 UHF Wireless receivers
- 9 - Handheld transmitters EV N/D 267a
- 1 - - Handheld transmitters EV N/D 767a
- 13 - Lavalier transmitters with ULM-21 mics
- 2 – EV RE97Tx beige over the ear mics
- 1 – Audio Technica U859QL **OR** 1 U857QU for Podium
- 4 – EV Re92H hanging mics
- 6 - Crown GPCC 170 SW boundary mics
  
- **Stands:**
- 6 - Tall boom stands, tripod
- 9 - Straight stands, round base
- 6 – boom adapters
- 6- Table top stands
  
- **Additional Gear:**
- 1 – Tascam CD-01U player
- 1- Tascam CD-RW 900SL player
  
- **Cables:**
- All AC, patch and Mic. Cables as required for above.
- 1 – 9 way 35 foot portable snake NSPLPXo-35'
- 1 – 9 way 50 foot portable snake
  
- **Booth Stage Monitor System**
- The booth monitor system can be the house sound or mic pickup
  
- **Intercom System: (ADDITIONAL RENTAL COST ITEMS)**
- Type - Wired Clear-Com.
- 10 - Belt packs Clear Com and Technical Projects.
- 11 - Headsets. Single muff
- Master Station – Clear Com CS210 in Control Booth
- A dedicated wiring system is installed with 2 jacks DSL, one DSR, one USL, one USR, one by dimmer rack, three at sound desk, one at cross aisle pedestal, four at lighting control desk, one under centre rear house seat, one in upstairs store room east of door, one in each dressing room, one FOH, one in LAN rack, one SL upper sound panel, one two channel DSR and one two channel DSL. Second (B Channel) is patchable at main station as a group to jacks FOH, each dressing room and LAN rack.

**Other:**



- **Video Projector: (ADDITIONAL RENTAL COST ITEM)**
- Ceiling hung
- Projection is onto Cyclorama
- System is wired from booth or stage to use a video camera, DVD, or lap top as a program source.
- A DVD player is available.
- One co-ax cable runs from stage to booth and one from stage to foyer/cafeteria/several classrooms/sound desk/ booth /Room103 with connection over check room window. Stage run extends to front centre house with connection to Music Room. There are splitters in hall ceiling over cafeteria doors, by Rm 130, by entrance to linoleum hall.
- One Co-ax runs from SR to SL

### LAN

There is a switched 10/100mb LAN system wired with CAT5e and fibre. With both point to point links and a backbone gigabit single mode fiber (9/125 um) links terminated with both SC and LC type connectors. This system serves various areas of the theatre and other rooms.

- **Ladders:**
- 2 – 3 ft. (Step)
- 2 – 8 ft. (Step)
- 1 - 10 ft. (step)
- 1 - 14 ft. (Step)
- 1 - 14 ft. (straight)
- **Lift:**
- 1 – 24 ft. single man. Upright UL24. Approximate working height 31 ft. Capacity 300 lbs.  
The man lift will be operated by **QUALIFIED PERSONNEL ONLY. PROPER SAFETY EQUIPMENT** must be worn at all times when operating the lift.
- **Piano:**
- 7 ft. Yamaha C3 Grand, tuned to A440