

## Mary Irwin Theatre – Technical Specifications

*Updated March 2026*

### STAGE

The Mary Irwin Theatre is a soft proscenium stage with a curved apron.

- **Maximum playing width:** 30'
- **Playing depth (upstage from proscenium):** 28'
- **Thrust:** “D” thrust with a maximum centreline depth of 10' downstage of the proscenium

### Wings & Access

- With a 30' proscenium and 8' legs:
  - **Stage Right wing:** 2.5' wide
  - **Stage Left wing:** 15' wide x 16' high for most of the stage depth
- One structural pillar obstructs the Stage Left wing
- **Rear crossover:** Up to 3' wide
  - Accessed through a 14.5' wide x 16' high opening in the upstage wall
  - Allows limited operational storage
- **Stage Left wing access opening:** 7.5' wide x 9.5' high

### DRAPERY

- Purple proscenium traveller main rag with purple boarder
- **Legs & Borders**
  - 4 sets of 8' legs
  - 3 borders overhead
- **Germans:** 4 on Stage Right, 4 on Stage Left
- Legs and Germans are dead-hung on tracks
- All other drapery is on the fly system

**Kelowna Visual and Performing Arts Centre Society**

421 Cawston Avenue, Kelowna, BC V1Y 6Z1

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- **Travellers:**
  - Purple mid-stage traveller
  - Purple Main Rag
- **Upstage soft goods:**
  - White cyclorama
  - Black traveller online set #40

## SOUND

- **Main PA:** Turbo Sound Flex Array TFA-600H with 2 x Turbo TSW-218 subwoofers
- **Console:** Allen & Heath Avantis (64-channel, 42 configurable buses, 96kHz)
- **Stage Boxes:**
  - Allen & Heath GX4816 (96kHz)
  - Allen & Heath DX168 mobile stage box (96kHz)
- **Monitors:**
  - 4 active stage-fill monitors (SR & SL, upstage and downstage)
  - 6x Turbosound TFM-560 (4 mixes, bi-amped, powered by Turbosound DP-50 amps)
  - 2 x Turbosound TDX-12M powered by a Powersoft 2-channel amplifier
- **Microphones:**
  - 3 x Shure SM58
  - 2 x Shure SM57
  - 1 x Shure SM48
  - 1 x Shure PG58
  - 2 x AKG C535
  - 2x 414s
  - Shure podium mic
- **Wireless:**
  - 3 x Sennheiser (G2 & G3)
    - ♣ 3 headset
    - ♣ 3 handheld
- **DI Boxes:**

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- o 2 x Radial stereo DI
- o 4 x Radial mono DI
- o 2 x Radial StageBug computer DI
- **Mic Stands:**
  - o 8 short boom stands
  - o 8 tall boom stands
  - o 2 straight stands
  - o 3 tabletop stands
- **Power:**
  - o 3 x 100' AC cables
  - o 4 x 25' AC cables
  - o 2 quad boxes
  - o 4 power bars

## LIGHTING

- Lighting grid:
  - o 5 overhead stage electrics
  - o 3 FOH catwalk positions
  - o Rear-of-house balcony position
- 2 house booms (Stage Left and Stage Right)
- Ladders positioned in line with the apron
- 6 mobile lighting booms

**Lighting Console:** ETC Ion XE

*See complete lighting inventory and house hang diagram for details.*

## VIDEO

### Projection

- **Playback:** QLab v5
- **Projectors** (Both are RP):

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- Christie DWU1075-GS (10,875 lumens) -Behind scrim-
- Christie DWU630-GS (6,750 lumens) – Line-set #8
- **Screens & Surfaces:**
  - Downstage RP: Rosco Twin White 16' x 24' screen
  - Midstage RP: PVC screen (11'3" H x 20'0" W)
  - Upstage: Cyclorama

## ADDITIONAL TECHNICAL SPECIFICATIONS

- Reversible Marley floor (black/grey)
  - Covers full stage (not apron)
- 3 choir risers
- 6 stage risers (4' x 8') with 6" and 12" legs

## IMPORTANT INFORMATION FOR ALL CLIENTS

### Stage Curtains & Soft Goods

- **Cyclorama:** Replacement cost exceeds \$25,000
  - Must not be touched
  - Finger dents, tears, or dirt cause permanent damage
- **Legs:**
  - Nothing may be pinned to them
  - Cannot be raised
  - Easily torn by scenery movement
- **Projection Screens:** Replacement cost exceeds \$10,000
  - Must not be touched under any circumstances

### Access & Safety

- Theatre access is controlled by RCA theatre technicians
- Entry before booked time is not permitted
- Some setups may be hazardous due to darkness, cables, counterweights, and equipment

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- No access to technical system spaces without a staff technician present

## DECORUM & DRESS

- Food and drink are permitted **only** in the Green Room
  - Water or coffee allowed in closed containers elsewhere
  - Violations may result in cleaning charges
- All crew must wear closed-toe footwear at all times
  - Steel-toe footwear strongly recommended for load-ins, load-outs, fly system work, and set handling
- Cast must wear proper footwear until the stage manager approves the stage for bare feet or sandals

## FLY SYSTEM POLICIES

- Only authorized personnel may operate the fly system
- During fly movements:
  - Crew only on stage
  - Fly operator will call warnings
  - All crew must visually confirm clearance and respond “Thank you”
- **Rule:** No one may be on Stage Right while counterweight loading or unloading is in progress
- Each line set has a strict load limit
- Final authority for rigging decisions rests with theatre technical staff
- All flown materials must be installed under staff supervision

## PIANOS

- Steinway D and B are available for rental; tuning charge is not included and must be done by only RCA approved vendors
- Grand pianos must remain covered when not in use
- Piano may only be moved under RCA staff supervision

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## STAGE FLOOR

- All cables must be taped down promptly
- All tape and spike marks must be removed after the event

## RESTORE RESPONSIBILITIES

- RCA staff will complete and charge for incomplete restores
- All rental materials and litter must be removed immediately after the event
- Renters are responsible for:
  - Restoring lighting to house hang (with house crew)
  - Restoring all soft goods to house configuration (with house crew)
  - All restores are supervised by theatre technical staff

## INFORMATION FOR STAGE MANAGERS

- Stage managers are responsible for all safety briefings before work begins
- In the absence of a stage manager, the house technician has final authority
- Safety concerns must be reported immediately to the stage manager or house technician
- Company stage manager is solely responsible for calling all lighting, sound, and scene-change cues
- Formal incident reports are required for any injuries or incidents
- Stage management must be familiar with and communicate all fire procedures with the house Technician

## RCA THEATRE TECHNICIANS

- Theatre technicians assist with preparation but are not responsible for event success
- Staff may leave positions at any time to address building or safety issues
- Technicians do not set pricing or determine inventory levels
  - These concerns must be directed to the Theatre Manager

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