



Tech Rider – *Songs My Mother Never Sung Me* 2019-2021 **An opera for families sung in English and signed in American Sign Language**

Company Size:	4 actors (2 M and 2 F), 1 Live Musician (Pianist), 1 SM, 1 ASL Interpreter, 1 director, 1 lighting designer and 1 FOH sound tech/tour director for load in/tech and opening. (10 people) American Sign Language is fully integrated into the performance- there is no interpretation needed during the show.
Running Time:	~75 minutes plus Q&A if desired
Load-in/Strike:	Load in- 2 days: 1 Day hang and focus LX & Projector, sound install, piano delivery and tuning if required, lay spikes for projection screens, test projections and audio levels, start set LX levels. 1 Day complete LX levels, trouble shooting, spacing, Q to Q, dress rehearsal. Load out/Strike: 4 hour call. Venue to arrange for return/pick up of piano and any rented gear. Minimum stage playing area 30' wide x 20' deep plus wing space required.
Set:	A black grand piano (Not provided). Piano sits centre stage throughout the show; is not moved. 2 large white rolling projection screens- 10' high, 6'-5" wide, 2'-6" deep. The screens are required to be hidden in the wings at top of show. House black drapery required- midstage or upstage blacks, legs. We travel with one large upholstered arm chair, a rolling wooden park bench, a small bar height table and two bar height chairs, as well as some small hand props. All the set pieces move/roll and are stored either offstage or behind the projection screens.
Projections:	We use one projector hung in audience centre. We provide the projector and fly kit.

Lighting:

We will need to record about 100 cues. Top and side light are important for keeping light off of the front of our rolling projection screens. Some movement with intelligent fixtures is important to conveying the flow and feel of music. We endeavor to work within house lighting plot where possible (venue to provide a PDF), and are looking for:

- An even warm and cool wash (R02 & R63 or similar), minimum 3 areas wide, 2 areas deep. Upstage shutter cuts to be determined by projection screen placement.
- LEDs or sets of Red/Blue/Amber tops or tips.
- Full set of moving wash fixtures (Rogue 2 or similar) as tops/back.
- 3-4 front specials or a couple of iCues
- 1 shuttered top special for Pianist to see keys and read music
- 1 shuttered special onstage (for neighbour and cookie jar)
- 1 gobo wash, at least along downstage- medium leaf breakup or similar

Sound:

The show is a live sound reinforcement show that utilizes wireless lapel microphones and live music. Using a number of effects and processing to deliver and immersive live sound scape to the audience.

We travel with 1 FOH sound engineer, but require 1 additional experienced house sound technician to assist with install, tuning, operation of the show and strike.

Venue must have an in house Sound Mix position so the operator can hear the main PA clearly.

The venue is required to have or supply:

- Sound Power 150-200 amps isolated sound power distributed to speakers, stage and sound control.
- Digital Sound Console, 24 input 12 outputs. DiGiCo S21, DiGiCo SD9 or Yamaha TF 3.
- Speaker Processing with Parametric EQ, Time Alignment. Meyer Galileo or equivalent.
- Main PA
 - A stereo full range sound system, for live sound reinforcement. Professionally tuned and capable of providing 100 dB of clean intelligible sound content to every seat in the audience, 20-20,000Hz. Preferred brands Meyer, L'Acoustics, or D&B.
- Front fill Speakers, 4-6 Meyer UPM or L'Acoustics XT5 or agreed upon equivalent.
- Cardio Sub woofer array, located on each side of the proscenium opening pointed at the audience.
 - 2 directional Subwoofer arrays, capable of focusing low frequency sound content at the audience down to 30 Hz. 6 Meyer HP700 subwoofers with Meyer Galileo speaker

processors or 8 L'Acoustics KS28 subwoofer with processing and power or 8 L'Acoustic KS21 subwoofer with processing and power. Or agreed upon equivalent.

- These subs normally require 2@ 50 amp isolated sound power outlets and adapters.
- Monitor Speaker System
 - 4 full range monitor speakers, used to create side wash stage monitors. 4@ 500-750 watt speakers, 20-20,000Hz. 4 Meyer UPA or L'Acoustics X12 or agreed upon equivalent.
- Wireless microphones
 - 8 channels of professional wireless microphones.
 - 5 Body pack transmitters with lapel microphones, Sennheiser G4 with Sennheiser MKE 2 or DPA 4061 lapel microphone elements.
 - 3 wireless transmitters capable of providing phantom power to the 3 piano microphones, Sennheiser G4.
- 3 small diaphragm condenser microphones. SE8 or SM81.
- Wireless In Ear Monitor systems for Wireless Tactile Monitor System
 - 2 Stereo Wireless In Ear Monitor systems, Sennheiser ew IEM G4 or Shure PSM 300. (We provide this).
- Bass Shaker install system (for use in venues that we can install these under audience seating).
 - The production uses 12-24, 50 watt bass Shakers to deliver low end sound content to hearing impaired audience members seated in specific sections of the audience.
 - The production travels with the amplifiers for the bass shakers, and will require 6@ 20 amp isolated sound power outlets.

Our Sound Designer Bobby Smale is happy to work with you on the sound plan and any potential rentals.

Q & A:

The cast is used to hosting a short Q and A after performances. If our Deaf performer is included, we provide an ASL interpreter. If Deaf audience members are present, we require additional ASL assistance for questions from the floor.

Other Requirements:

Box Office and FOH ASL support for Deaf and hard of hearing audience.



