TO Live

# Meridian Hall Specifications – Comprehensive

TO Live, an agency of the City of Toronto, operates seven theatres and ancillary spaces in three buildings

## Key Personnel:

| | |
|---|---|
| **Clyde Wagner** | President & CEO |
| **Sandra Bellisario** | Vice President of Philanthropy & Development |
| **Hayde Boccia** | Vice President of Finance & Administration |
| **Michelle Carter** | Vice President of Human Resources & Organizational Culture |
| **Kristopher Dell** | Vice President of Operations |
| **Leslie Lester** | Vice President, Executive Producer |
| **Jeff Rohrer** | Vice President of Marketing & Communications |

## Venues:

**Meridian Hall – TO Live Head Office**
1 Front Street East
Toronto, ON
M5E 1B2
416.368.6161 tolive.com

**St. Lawrence Centre for the Arts (STLC)**
27 Front Street East
Toronto, ON
M5E 1B4
416.368.6161 tolive.com

**Meridian Arts Centre (MAC)**
5040 Yonge Street
Toronto, ON
M2N 6R8
416.368.6161 tolive.com

## Theatres:

| | | |
|---|---|---|
| Meridian Hall | seating capacity | 3172 |
| St. Lawrence Centre for the Arts – Bluma Appel Theatre | seating capacity | 868 |
| St. Lawrence Centre for the Arts – Jane Mallett Theatre | seating capacity | 499 |
| Meridian Arts Centre – George Weston Recital Hall | seating capacity | 998 |
| Meridian Arts Centre – Lyric Theatre | seating capacity | 561 |
| Meridian Arts Centre – Greenwin Theatre | seating capacity | 296 |
| Meridian Arts Centre – Studio Theatre | seating capacity | 178 |

*NOTE: Standing room is available at Meridian Hall*

## Production Contacts:

| | |
|---|---|
| Zoë Carpenter, Director of Production | Zoe.Carpenter@tolive.com |
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***Specifications subject to change. Please confirm equipment availability.***

# Meridian Hall

***ALL EQUIPMENT SUBJECT TO AVAILABILITY***
***PLEASE CONFIRM WITH PRODUCTION MANAGER***

## 1.1 – MERIDIAN HALL

### 1.1.1 – Seating Capacity

| Location | Seat Count | Notes |
|---|---|---|
| Orchestra | 2,133 | |
| Mezzanine | 250 | |
| Balcony | 789 | |
| Orchestra Pit Seating | 58 | Pit seating is removable – *additional labour charges apply* |
| **Total** | **3,172** | Mid-house curtain can be installed to reduce total capacity to 1167; uses lower Orchestra seating only – *additional labour charges apply* |

### 1.1.2 – Stage Dimensions

| Venue Dimension | Measurement Notes | Measurement |
|---|---|---|
| Proscenium Width | | 59’ 10” (18.24m) |
| Proscenium Height | | 30’ 0” (9.14m) |
| Stage Width | Arbour Cage SL to Loading Dock SR | 125’ 10” (38.35m) |
| Stage Depth | DS edge to US wall | 63’ 4” (19.3m) |
| Apron Width | | 60’ 0” (18.29m) |
| Apron Depth | DS edge to Curtain Line | 5’ 0” (1.52m) |
| Orchestra Pit Lift Width | | 61’ 3” (18.67m) |
| Orchestra Pit Lift Depth | | 11’ 8” (3.55m) |
| Playing Space Width (typical) | SL Leg to SR Leg | 50’ 0” (15.26m) |
| Playing Space Depth | Curtain Line to Furthest US Lineset | 50’ 0” (15.26m) |
| Wing Width, SL | Offstage of SL Leg to Arbour Cage | 10’ 0” (3.05m) |
| Wing Width, SR | Offstage of SR Leg to Loading Dock | 37’ 8” (11.48m) |
| US Crossover Depth | Furthest US lineset to US wall | 8’ 4” (2.54m) |
| Grid Height | Stage floor to underside of grid | 89’ 0” (27.13m) |

### 1.1.3 – Venue Features

**STAGE FLOOR**

- 3/4” (9.5mm) Plyron – plywood with hardboard facing – painted black
- Live load (uniformly distributed): 200 psf (976 kg/m$^2$)

*NOTE: For use of self-propelled equipment on stage, please consult Production*

**STAGE ACCESS**

- Double doors USL and DSL accessible from dressing room hallway
  - Automatic door opener on DSL door only
- Stage level is 37 1/2” (0.95 m) from auditorium floor
- All Loading Docks are level with stage
  - Please see section **1.3.1 – Loading Docks** for more information

**DANCE FLOOR – *Additional rental and labour charges apply***

- Harlequin Reversible Pro Black/Grey
  - 8 pieces: each 6’ 7” x 49’ 2” (2m x 15m); 52’ 0” (16m) total depth
- Harlequin Cascade Black 501
  - 8 pieces: each 6’ 7” x 49’ 2” (2m x 15m); 52’ 0” (16m) total depth
- Harlequin Cascade Black 501 – Wing Extensions
  - 2 pieces: each 6’ 7” (2m x 7.5m) long; 1 piece per side

**ORCHESTRA PIT**

- Motorized Gala forestage lift is adjustable to 10' (3.05m) below stage level
  - Typically occupied by removable house seating – 58 seats on movable wagons
- Full orchestra pit extends under stage to 12’ (3.66m) US of Apron edge
- Orchestra pit opening is fitted with a safety net at stage level when pit is in use

## 1.1.4 – Rigging System & Soft Goods

**GRIDIRON**

- 3" x 1 13/32" (76.2mm x 35.8mm) C-channel gridiron, 6" (0.15m) on centre
- Live load (uniformly distributed): 50 psf (244 kg/m²) – ***under review***

*NOTE: Please consult Production for point load ratings on Gridiron*

**FORESTAGE RIGGING**

- Rigging points are suspended from pairs of C10x5.3 beams above ceiling
  - Beams are oriented US – DS over orchestra pit and seating rows DD through FF

| Position | Number of Points | Distance to Plaster Line | Notes |
|---|---|---|---|
| Cove 1 Truss | 3 | -35' 0" (-10.67m) | Maximum 2,000 lbs (910 kg) per point |
| Batten Line 3 | 9 | -24' 6" (-7.98m) | Maximum 2,000 lbs (910 kg) per point |
| Batten Line 2 | 9 | -16' 0" (-4.88m) | Maximum 2,000 lbs (910 kg) per point |
| Batten Line 1 | 9 | -4' 8" (-1.42m) | Maximum 2,000 lbs (910 kg) per point |
| FOH Truss | 3 | -4' 2" (-1.27m) | Maximum 2,000 lbs (910 kg) per point |

*NOTE: Please consult Production before planning ANY use of forestage rigging points*

**MANUAL LINESETS – Please see lineset schedule**

| Qty | Type | Width | Notes |
|---|---|---|---|
| 54 | Single Purchase Lineset | 70' (21.34m) | Extendable by 5' (1.52m) per side; 8 Lift Lines; capacity 450 lbs (204 kg) per lift line OR 1200 lbs. (544 kg) total, uniformly distributed |

**MOTORIZED LINESETS – Please see lineset schedule**

- ETC Foundation control system
  - Full control from Fly Gallery console, limited control from remote pendants at Stage level

| Qty | Type | Width | Notes |
|---|---|---|---|
| 1 | Custom Hoist | 70' (21.34m) | Main Curtain – Centre split, *not a traveller* |
| 18 | ETC Prodigy P75 Variable Speed Hoist | 70' (21.34m) | Extendable by 5' (1.52m) per side; 8 Lift Lines; capacity 450 lbs (204 kg) per lift line OR 1,000 lbs. (454 kg) total, uniformly distributed |

*NOTE: Main Curtain occupies furthest DS motorized lineset and is operated from DSL control panel*

**MOTORIZED LIGHTING TRUSS – Please see lineset schedule**

- Controlled by same ETC Foundation system as motorized linesets

| Qty | Type | Width | Notes |
|---|---|---|---|
| 1 | 24" x 30" (0.6m x 0.76m) Christie E-type | 72' (21.95m) | LX 1: 4 x 1 ton chain motors |
| 3 | 16" (0.4m) Christie B-type | 68' (20.73m) | LX 2, 3, 4: 4 x 1/2 ton chain motors each |
| 2 | 16" (0.4m) Christie B-type | 20' (6.09m) | Advance Truss: 2 x 1/2 ton chain motors each |
| 1 | 16" (0.4m) Christie B-type | 40' (12.19m) | SR Cable Bridge: 2 x 1 ton chain motors |

*NOTE: Additional labour charges apply if moving truss and motors from home position*

**ADDITIONAL TRUSS INVENTORY**

| Qty | Type | Width | Notes |
|---|---|---|---|
| 7 | 16" Christie B-type | 8' (2.44m) | Stored flown above stage |
| 2 | 16" Christie B-type | 4' (1.22m) | Stored flown above stage |

**SOFT GOODS (H x W, dimensions per individual piece)**

| Qty | Type | Weight | Drape Size (H x W) | Notes |
|---|---|---|---|---|
| 1 | Portal Teaser | 25 oz. | 16' x 70' (4.88m x 21.34m) | Black velour |
| 1 pair | Portal Leg panel | 25 oz. | 32' x 16' (9.75m x 4.88m) | Hard frame w/ black velour |
| 1 pair | Main Curtain panel | 25 oz. | 35' x 40' (10.67m x 12.19m) | Blue velour |
| 5 | Border | 25 oz. | 16' x 78' (4.57m x 21.34m) | Black velour, no fullness |
| 8 pairs | Leg panel | 25 oz. | 40' x 20' (12.19m x 6.09m) | Black velour, no fullness |
| 2 pair | Traveler panel | 25 oz. | 35' x 40' (10.67m x 12.19m) | Black velour |
| 1 | Blackout panel | 25 oz. | 36' x 70' (10.97m x 21.34m) | Black velour, no fullness |
| 1 | Scrim | | 30' x 65' (9.14m x 19.81m) | Black sharkstooth |
| 1 | Cyclorama | | 30' x 65' (9.14m x 19.81m) | |

*NOTE: Please consult Production for current Hanging Plot*

### 1.1.5 – Power

**COMPANY SWITCHES**

| Qty | Service | Connector | Location | Notes |
|---|---|---|---|---|
| 1 | 400A 3-Phase 120/208V | J-Series Cam-Lok | DSR – Panel A | NOT G/N reversed; used for house chain motors |
| 4 | 400A 3-Phase 120/208V | J-Series Cam-Lok | DSR – Panel B to E | NOT G/N reversed |
| 2 | 100A 3-Phase 120/208V | J-Series Cam-Lok | DSR – Panel F, G | NOT G/N reversed |
| 1 | 400A 3-Phase 120/208V | J-Series Cam-Lok | USL | G/N reversed |
| 1 | 400A 3-Phase 120/208V | J-Series Cam-Lok | SR – Loading Dock | G/N reversed |
| 1 | 100A 3-Phase 120/208V | J-Series Cam-Lok | DSL | G/N reversed; audio use only, isolated ground |
| 1 | 100A 3-Phase 120/208V | J-Series Cam-Lok | FOH – behind wall | |
| 1 | 200A 3-Phase 120/208V | J-Series Cam-Lok | Lobby Tech Booth | G/N reversed |
| 1 | 200A 3-Phase 120/208V | J-Series Cam-Lok | Lobby – under HL Escalator | G/N reversed |

**STAGE POWER**

- Starline modular track busways
  - 100A 3-Phase service on each busway
  - Two (2) busways on US wall
  - One (1) busway on Fly Gallery
  - Available connections: Stage Pin, C5, 19-Pin Socapex, L6-20, L14-30, L21-30

**FOH POWER**

- Starline modular track busways
  - 100A 3-Phase service on each busway
  - One (1) busway at FOH audio / lighting operating position
  - Two (2) busways at 2nd FOH Cove
  - One (1) busway in Followspot Booth
  - Available connections: Stage Pin, C5, 19-Pin Socapex, L6-20, L14-30, L21-30
- Six (6) 20A powerCON "B" (grey) receptacles (individual circuits) at FOH audio / lighting position

## 1.2 – EQUIPMENT

### 1.2.1 – Staging

**RISER DECKS – Wenger Versalite**

- All have extruded aluminum frames with 3/4" plywood decking, painted black

| Qty | Shape | Size (W x L) | Notes |
|---|---|---|---|
| 20 | Rectangular | 4' x 8' (1.22m x 2.44m) | Six (6) legs required per riser |
| 2 | Square | 4' x 4' (1.22m x 1.22m) | Four (4) legs required per riser |

**RISER LEGS / WHEELS– Wenger Versalite**

| Qty | Height | Notes |
|---|---|---|
| 60 | 8" (0.2m) | 10 sets of 6 legs per riser |
| 36 | 16" (0.41m) | 6 sets of 6 legs per riser |
| 30 | 24" (0.61m) | 5 sets of 6 legs per riser |
| 60 | 32" (0.81m) | 10 sets of 6 legs per riser |
| 2 | | Roll-A-Deck Frame, 4' x 8' (1.22m x 2.44m) |

**STEP UNITS (H x W x D)**

| Qty | Type | Size (H x W x D) | Notes |
|---|---|---|---|
| 3 | 1-Step, Wood | 8" x 48" x 10" (0.2m x 1.22m x 0.25m) | 8" rise, 10" tread |
| 2 | 2-Step, Wood | 16" x 48" x 20" (0.41m x 1.22m x 0.51m) | 8" rise, 10" tread |
| 2 | 4-Step, Wood | 32" x 48" x 40" (0.81m x 1.22m x 1.02m) | 8" rise, 10" tread |

**FURNISHINGS**

| Qty | Item | Notes |
|---|---|---|
| 2 | Podium Pros H2W Lectern | Aluminum frame w/ frosted acrylic front face; surface-mount XLR jack |
| 2 | Clear Acrylic Lectern | Surface-mount XLR jack |
| 8 | Rectangular Table, 6' (1.83m) | Black ABS top |

**CONCERT EQUIPMENT**

| Qty | Item | Notes |
|---|---|---|
| 1 | Adjustable Piano Bench | Black, w/ leather upholstery |
| 100 | Music Stand | Black |
| 60 | Music Stand Light | Black, w/ dimmable bulb |
| 100 | Musician Chair | Black, cloth upholstery |
| 1 | Yamaha C3 5' Grand Piano | Gloss black finish |

## 1.2.2 – Lighting

**LIGHTING POSITIONS**

| Position | Height Above Stage at Centre Line | Distance to Plaster Line at Centre Line | Notes |
|---|---|---|---|
| Balcony Rail | 28' 9" (8.76m) | -90'0" (-27.43m) | |
| 2nd FOH Cove | 54' 0" (16.46m) | -57' 0" (-17.37m) | |
| 1st FOH Cove | 47' 0" (14.33m) | -35' 0" (-10.67m) | Obscured by Advance Truss |
| Box Boom 3 | 16' 0" (4.88m) | -18' 6" (-5.64m) | Mirrored HL & HR |
| Box Boom 2 | 16' 0" (4.88m) | -13' 4" (-4.06m) | Mirrored HL & HR |
| Box Boom 1 | 16' 0" (4.88m) | -8' 11" (-2.72m) | Mirrored HL & HR, obscured by PA system |
| Advance Truss | 35' 6" (10.82m) | -16' 0" (-4.88m) | House trim |
| LX Truss 1 | 26' 0" (7.92m) | 5' 0" (1.52m) | House trim |
| LX Truss 2 | 26' 0" (7.92m) | 12' 2" (3.71m) | House trim |
| LX Truss 3 | 26' 0" (7.92m) | 23' 9" (7.24m) | House trim |
| LX Truss 4 | 26' 0" (7.92m) | 31' 8" (9.65m) | House trim |
| Cyc LX Pipe | 30' 0" (9.14m) | 40' 4" (12.29m) | House trim |

**FIXTURE INVENTORY**

House Plot – All fixtures are LED unless wattage is noted

| Position | Qty | Fixture Type | Notes |
|---|---|---|---|
| Balcony Rail | 16 | ETC 19° S4 LED Series 2 Lustr | |
| 2nd FOH Cove | 20 | ETC 14° S4 LED Series 3 LustrX8 | Front wash |
| | 9 | Martin MAC Encore Performance CLD | |
| Advance Truss | 6 | Martin MAC Encore Performance CLD | 3 per side (HL / HR) |
| | 6 | Martin MAC Ultra Performance | 3 per side (HL / HR) |
| Box Boom 3 | 8 | ETC 26° S4 LED Series 3 LustrX8 | 4 per side (HL / HR) |
| Box Boom 2 | 4 | ETC 26° S4 LED Series 3 LustrX8 | 2 per side (HL / HR) |
| LX Truss 1 | 4 | ETC 26° Source Four, 750W | Tips, 2 per side (SR / SL) |
| | 4 | ETC 36° Source Four, 750W | Tips, 2 per side (SR / SL) |
| | 4 | Martin MAC Aura XB | |
| | 9 | Martin MAC Ultra Performance | |
| LX Truss 2 | 4 | ETC 26° Source Four, 750W | Tips, 2 per side (SR / SL) |
| | 4 | ETC 36° Source Four, 750W | Tips, 2 per side (SR / SL) |
| | 10 | Martin MAC Encore Performance CLD | |
| | 3 | Martin MAC Ultra Performance | |
| LX Truss 3 | 4 | ETC 26° Source Four, 750W | Tips, 2 per side (SR / SL) |
| | 4 | ETC 36° Source Four, 750W | Tips, 2 per side (SR / SL) |
| | 4 | Martin MAC Aura XB | |
| | 9 | Martin MAC Encore Performance CLD | |
| LX Truss 4 | 4 | ETC 26° Source Four, 750W | Tips, 2 per side (SR / SL) |
| | 4 | ETC 36° Source Four, 750W | Tips, 2 per side (SR / SL) |
| | 4 | Martin MAC Aura XB | |
| | 9 | Martin MAC Encore Performance CLD | |
| Cyc LX | 9 | Strand IRIS-4, 1kW | 4-Cell Cyc lights |
| Followspots | 4 | Lycian 1295 ELT w/ Ballast, 3kW | Movable within spot booth |

Additional Fixtures – *please consult Production*

| Qty | Fixture Type | Notes |
|---|---|---|
| 8 | Astera AX9 | Battery-powered LED wash |

**DIMMERS**

- Dimmer racks are Strand Century CD80 racks with C21 processors

| Location | Qty | Module Type |
|---|---|---|
| Dimmer Room | 254 | Strand Century CD80 Dual 2.4kW Dimmer Module |
| | 22 | Strand Century CD80 Dual 2.4kW Constant Power Module |

**CIRCUITING AND CONNECTORS**

- Dimmer-per-circuit on all LX circuits
  - 108 FOH circuits (Balcony Rail, Coves, Box Booms) are re-patchable from DSR panel
- 20A Stage Pin connectors on all on-stage and cove 120v LX circuits
- 20A NEMA L5-20 Twist-Lock connectors on all 120v Box Boom circuits
- 20A NEMA L6-20 Twist-Lock connectors on all 208v LX circuits
- House Socapex connectors and cables are NOT wired to Christie Lites' 208v pinout

**LIGHTING CONSOLES**

| Location | Qty | Console or Component | Notes |
|---|---|---|---|
| FOH Desk | 1 | MA Lighting grandMA3 Light | sACN to LX network |
| DSR | 1 | MA Lighting grandMA3 onPC w/ Command Wing | Backup / onstage focus |

**HOUSE LIGHTING**

- ETC Paradigm control system
  - Control panel DSL operates house lights, work lights, and running lights
- DMX-dimmed Canto LED pot lights (3000°K)

**ACCESSORIES (*Under review, subject to change)***

| Qty | Item | Notes |
|---|---|---|
| TBD | Floor Float Base | |
| 1 | MDG Atmosphere Hazer | Compressed $CO_2$ for pressure |

**NETWORKING AND DATA DISTRIBUTION**

- sACN between network endpoints

| Location | Qty | Item | Notes |
|---|---|---|---|
| Downstage Right | 6 | ETC Response 4-Port DMX Gateway | |
| | 1 | Pathway OCTO DMX / RDM Gateway | |
| | 9 | Pathway 8-Port DMX Repeater Opto Splitter | |

### 1.2.3 – Audio

**HOUSE PA**

| Location | Qty | Speaker Model | Notes |
|---|---|---|---|
| L/R Arrays | 22 | Adamson E15 | Flown, 11 per side |
| | 4 | Adamson S10 | Flown, 2 per side under E15 boxes |
| Centre Array | 8 | Adamson S10 | Flown |
| Front Fills | 4 | Adamson Point 8 | Spaced across DS lip of stage |
| In-Fill Stacks | 6 | Adamson S10 | Tops, 3 per side |
| | 4 | Adamson E119 | Subs, 2 per side |
| Underbalcony Fills | 6 | Adamson Point 8 | Distributed across balcony overhang |
| Flown Subs | 12 | Adamson E119 | 6 per side, offstage of L/R arrays |

**MIXING CONSOLES**

| Item | Qty | Console or Component | Notes |
|---|---|---|---|
| FOH Console | 1 | Allen & Heath dLive S7000 with DM0 MixRack | Operated exclusively by House Op. |
| Monitor Console | 1 | DiGiCo Quantum 338 | Operated exclusively by House Op. |
| Guest Console | 1 | Allen & Heath dLive S7000 with CDM48 MixRack | *Additional labour charges may apply* |

**MONITORS**

| Item | Qty | Console or Component | Notes |
|---|---|---|---|
| Wedges | 12 | Adamson M12 | |
| | 4 | RCF NX 15-SMA | *Subject to availability* |

| | | | |
|---|---|---|---|
| Drum Fill | 1 | Adamson M212 | |
| | 1 | Adamson S119 subwoofer | |
| Side Fill Stacks | 6 | Adamson S10 | 3 per side |
| | 4 | Adamson S119 | 2 per side |
| Amplifiers | 3 | Lab Gruppen PLM 12K44 | Wedge amplifiers |
| | 2 | Lab Gruppen PLM 12K44 | Side Fill amplifiers |
| Split Snake Kit | 1 | Digiflex 50-Ch. 3-Way Split Snake | |
| | 1 | Radial OX8j 8-Ch. 3-Way Mic Splitter | |

**PATCHING AND I/O**

| Location | Qty | Patch or I/O Device | Notes |
|---|---|---|---|
| Stage Left | 4 | Allen & Heath DT168 | FOH I/O: 64 in / 32 out total |
| | 1 | DiGiCo SD-Rack (32 Bit) | Monitor I/O: 56 in / 32 out |
| Portable | 1 | Allen & Heath dLive DT168 | Drop box: 16 in / 8 out |
| | 1 | DiGiCo SD-Rack Mini (32 Bit) | Drop box: 16 in / 8 out |
| Storage | 1 | Allen & Heath dLive CDM48 | 48 in /24 out |

**TOURING CONSOLE INTEGRATION**

- Connections to Lake LM44 system processor at FOH mix position:
  - Left / Right full range (2 inputs, analog or AES), **OR**
  - Left, Right, Sub, Fills (4 inputs, analog or AES)
- System processor has "Lake Groups" for:
  - Left and Right arrays
  - Left and Right In-Fill Tops
  - Flown Subs
  - In-Fill Subs
  - Front Fills
  - Centre Array
  - Underbalcony Fills
- Control of Lake processor remains with House Operator at all times
  - Guest operators may request EQ, gain, and delay adjustments to any of the Lake Groups
- Cable run through auditorium between SL monitor position and FOH: 300' (91.44m)

**MICROPHONES – WIRED**

| Qty | Condenser Mic Model |
|---|---|
| 4 | AKG C 414 XLII |
| 4 | AKG C 452 E |
| 24 | DPA 2011C |
| 6 | DPA 4060 Lavalier, Beige |
| 6 | DPA 4060 Lavalier, Black |
| 2 | DPA 4061 (Matched Pair) |
| 4 | DPA 4018VL Capsule for Shure Axient |
| 12 | DPA 4099 (see Accessories for clips) |
| 4 | DPA EG4099 |
| 2 | DPA VO4099P |
| 2 | DPA 4488 Headset, Beige |
| 2 | DPA 4488 Headset, Brown |
| 8 | Neumann KM 184 |
| 4 | Neumann TLM 102 |
| 2 | Rode M2 |
| 4 | Rode NT1000 |
| 8 | Rode NT5 |
| 1 | Shure Beta 91A |
| 5 | Shure MX 412/C Gooseneck |

| Qty | Dynamic Mic Model |
|---|---|
| 6 | Audix D2 |
| 1 | Audix D6 |
| 2 | Beyerdynamic M 88 |
| 6 | Heil PR 35 |
| 5 | Sennheiser MD 421 Kompakt |
| 5 | Sennheiser MD 521 |
| 1 | Shure Beta 52A |
| 8 | Shure SM57 |
| 8 | Shure SM58 |
| 2 | Shure SM58 w/ switch |

**MICROPHONES – WIRELESS**

- Kit 1: 8 channels of Shure Axient digital wireless, G57 band (470-636 MHz)
  - Each channel can be either a handheld OR bodypack with lavalier / headset

| Qty | Item | Notes |
|---|---|---|
| 2 | Shure AD4Q Wireless Receiver | 4-Channel digital receiver |

| | | |
|---|---|---|
| 8 | Shure ADX1 Bodypack w/ Lemo-3 connector | Please see above for lavalier and headset options |
| 8 | Shure ADX2 Handheld | Each equipped w/ SM58 capsule; 4 x DPA 4018VL capsules are available |

• Kit 2: 4 channels of Shure Axient digital wireless
• Each channel can be either a handheld OR bodypack with lavalier

| Qty | Item | Notes |
|---|---|---|
| 1 | Shure AD4Q Wireless Receiver | 4-Channel digital receiver |
| 4 | Shure ADX1 Bodypack w/ Lemo-3 connector | Please see above for lavalier and headset options |
| 4 | Shure ADX2 Handheld | Each equipped w/ SM58 capsule |

**ACCESSORIES (*Under review, subject to change)***

| Type | Qty | Accessory | Notes |
|---|---|---|---|
| DI Boxes | 4 | Radial J48 | Active mono DI |
| | 7 | Radial JDI | Passive mono DI |
| | 2 | Radial JPC | Active stereo laptop DI |
| | 2 | Radial ProD2 | Passive stereo DI |
| | 2 | Whirlwind ISOPOD | Summing balancer, 1/8” TRS input |
| DPA 4099 Clips | 1 | GC4099 for Acoustic Guitar | |
| | 6 | STC4099 for Brass | |
| | 6 | CC4099 for Cello | |
| | 6 | BC4099 for Double Bass | |
| | 2 | PC4099 for Piano | |
| | 6 | VC4099 for Violin | |
| Mic Stands | TBD | K&M Tall Telescoping Boom | |
| | TBD | K&M Low-Level Telescoping Boom | |
| | TBD | Straight Round-Base | |
| Outboard Gear | 1 | Bricasti Design M7 Stereo Reverb | At FOH console |
| | 1 | Bricasti Design M10 Remote | At FOH console |
| Subsnakes | 1 | 12-Channel, 50’ | |
| | 1 | 12-Channel, 100’ | |
| | 1 | 12-Channel, 125’ | |
| Speaker Stands | 2 | Tripod Speaker Stand | |

**PLAYBACK**

| Qty | Playback Device | Notes |
|---|---|---|
| 1 | Apple Mac Mini 2024 (M4 Pro) | QLab Pro Audio and SMAART licenses |

**RECORDING – *Additional rental and labour charges apply***

• Recording suite is located one level below stage
• Room is acoustically treated

| Item | Qty | Item | Notes |
|---|---|---|---|
| Mixing Console | 1 | SSL Live L300 | |
| I/O | 1 | SSL ML I.32 | Located DSL, connected via MADI |
| | 1 | SSL ML 32.32 | Located DSL, connected via MADI |
| Recorder | 1 | Apple Mac Mini M4 Pro (2024) | Reaper license |
| Reference Monitors | 2 | Genelec 8050B | 8” 2-way active monitor |
| | 2 | Yamaha HS8 | 8” 2-way active monitor |

**INTERCOM SYSTEM (*Under review, subject to change)***

| Qty | Equipment Model | Notes |
|---|---|---|
| 1 | Clear-Com SB 440 | 4-Channel main station |
| 1 | Clear-Com RM 440 | 4-Channel remote station |
| 1 | Clear-Com RM 220 | 2-Channel remote station |
| 8 | Clear-Com RS 501 | 1-Channel beltpack |
| 2 | Clear-Com RS 502 | 2-Channel beltpack |
| 6 | Pro Intercom BP1 | 1-Channel beltpack |
| 2 | Pro Intercom BP2 | 2-Channel beltpack |
| TBD | Clear-Com CC-300 | Single-ear headset |

| | | |
|---|---|---|
| 2 | Clear-Com KB 111 | 1-Channel speaker station |
| 1 | Clear-Com FreeSpeak Edge Base Station | 4-Channel wireless base station |
| 4 | Clear-Com FSII-BP19 Wireless Beltpack | 2-Channel wireless beltpack |

### 1.2.4 – Video

**VIDEO WALL – *Additional rental and labour charges apply***

- 41’ 0” W x 24’ 7” H (12.5m W x 7.5m H) LED wall, 2.6mm pitch
  - Composed of 350 panels (14 H x 25 W), each 19 11/16” (500mm) square, 192 x 192 pixels
  - 4800 x 2688 total pixel resolution
- Flown on truss by chain motors, 35’ (10.67m) upstage of plaster line
- Input to LED wall is provided through in-house video production suite
  - 50ms delay

**PROJECTORS AND LENSES**

| Qty | Equipment | Notes |
|---|---|---|
| 2 | Barco UDM-4K22 4K UHD Laser Projector (House Projectors) | 21,000 ANSI lumen; 2560 x 1600 native resolution; HDBaseT, HDMI, DisplayPort, and 12G SDI inputs; mounted in stackable fly frames |
| 2 | Barco HDX-W20 Flex WUXGA DLP Projector | 20,000 ANSI lumen; 1920 x 1200 native resolution; DVI-I, 3G SDI inputs; mounted in stackable fly frames |
| 2 | Barco 0.98” DC2K Lens; 1.2 – 1.8:1 | Short-throw lens for HDX-W20 only |
| 2 | Barco TLD+ Lens; 1.16 – 1.49:1 (WUXGA) | Short-throw lens |
| 2 | Barco TLD+ Lens; 2.56 – 4.17:1 (WUXGA) | Medium-throw lens |
| 2 | Barco TLD+ Lens; 4.17 – 6.95:1 (WUXGA) | Long-throw lens |

**PROJECTION SCREENS**

| Qty | Screen Model | Dimensions | Aspect Ratio |
|---|---|---|---|
| 1 | Draper StageScreen w/ Front and Rear Surfaces | 30’ 0” x 16’ 10 1/2” (9.14m x 5.14m) | 1.78:1 |
| 1 | Draper StageScreen w / Front Surface | 40’ 0” x 22’ 6” (12.19m x 6.86m) | 1.78:1 |

**PLAYBACK**

| Qty | Playback Device | Notes |
|---|---|---|
| 1 | MacBook Pro 2022 (Apple M1) | QLab Pro Audio & Video License |
| 2 | Lenovo ThinkPad P14s (AMD Ryzen 7) | PowerPoint and other video content playback |

**SWITCHING / RECORDING**

- A full professional video production suite is used for event video production and recording
- *Please consult Production regarding video requirements*

**CAMERAS**

| Qty | Camera Model | Notes |
|---|---|---|
| 1 | Sony HXC-FZ90 4K Studio Camera | SDI output; equipped with Optical Low Pass Filter |
| 2 | Panasonic AW-UE150 4K PTZ Camera | Manual remote control via RCT CS-3 controller |

**LIVESTREAM / WEBCAST**

- Four (4) ports with internet access are available
  - Stage Left, Stage Right, FOH, and Main Lobby (west side)
- Ports are DHCP enabled with Google DNS servers and NAT to Internet, no restrictions
  - No firewall, logging, or screening
  - 10 MB/s upload / download limit

## 1.3 – BACKSTAGE SPACES

### 1.3.1 – Loading Docks

**LOCATIONS**

- Stage Dock: Three bays, West side of SCOTT ST at THE ESPLANADE
- South Dock: One bay, North side of THE ESPLANADE between YONGE ST and SCOTT ST

**STAGE DOCK DETAILS**

- One (1) electric forklift is available, 3,000 lb (1,361 kg) capacity

- Truck level dock (North bay):
  - Inclined approach, load bars are recommended due to grade
  - Direct access to Stage Right, access to freight elevator to B1 level via stage
  - Dock plate must be used; placed by forklift
  - Door dimensions: 13' 6" (4.11m) high, 12' 6" (3.81m) wide
- Street level dock (Centre and South bays):
  - Flat approach
  - Centre bay has direct access to Stage Right, access to freight elevator to B1 level via stage
  - South bay has direct access to freight elevator to B1 level
  - Door dimensions: 13' 6" (4.11m) high, 12' 6" (3.81m) wide

**SOUTH DOCK DETAILS**

- Flat approach
- Access to Stage Left through corridor
- Direct access to Stage Left freight elevator to B1

**FREIGHT ELEVATORS**

| Location | Access | Door Opening | Cab Dimensions | Load Capacity |
|---|---|---|---|---|
| Stage Right | Stage Dock to B1 level | 8' 0" H x 7' 10" W (2.44m H x 2.39m W) | 10' 11" L x 7' 8" W (3.33m L x 2.34m W) | 10,000 lbs (4,536 kg) |
| Stage Left | South Dock to B1 and B2 levels | 8' 0" H x 5' 0" W (2.44m H x 1.52m W) | 9' 6" L x 5' 9" W (2.89m L x 1.75m W) | 5,952 lbs (2,700 kg) |

## 1.3.2 – Dressing Rooms

**DRESSING ROOMS – *Under renovation, subject to change***

| Location | Qty | Room Number | Room Capacity | Notes |
|---|---|---|---|---|
| Stage Level | 2 | #1, 2 | 3 persons per room | Lockable passthrough doors between rooms 1 and 2 |
| | 1 | #3 | 3 persons | Accessible dressing room, *under construction and unavailable* |
| B1 Level | 1 | #6 | 7 persons | |
| | 1 | #7 | 8 persons | |
| | 2 | #8, 9 | 5 persons per room | |
| | 2 | #10, 11 | 4 persons per room | |
| | 1 | #12 | 15 persons | |
| | 1 | #13 | 3 persons | Accessible dressing room |

*NOTE: All dressing rooms are equipped with shower, toilet, sink, mirrors, program sound, and paging*

## 1.3.3 – Green Room

- At B1 level with direct access to Orchestra Pit
- Communal space for performers, promoters, clients, touring and local crew, etc.
  - Tables and chairs for up to 10 people (not to be removed from Green Room)
  - Two sofas and four armchairs (not to be removed from Green Room)
  - Program sound and video feed from stage
- Green Room may not be used for catering, as an additional dressing room, or for Meet & Greets, etc.

## 1.3.4 – Rehearsal Hall

**ROOM FEATURES**

- Room dimensions: 50' x 50' (15.24m x 15.24m) with 15' (4.57m) ceiling height
- Room capacity: 200 persons standing room
  - Capacity reduced if using tables and chairs – *please consult Bookings Team*
- Sprung floor with Harlequin Standfast top surface
- West wall is mirrored, with black velour curtain to cover if desired

**EQUIPMENT**

- 18 portable ballet barres
- Program sound from stage with volume control
- Small wall-mounted PA for basic sound playback from iPod or similar device
- 100A electrical disconnect (J-series Cam-Lok)

- No theatrical lighting system
- No rigging points

*NOTE: Rehearsal Hall must be booked separately and is subject to availability*

## 1.4 – MISCELLANEOUS

### 1.4.1 – Health & Safety

- TO Live adheres to all legislated requirements for everyone on the premises
- Personal protective equipment (PPE) for all persons on stage during load in, set up, lighting hang, tear down, and load out
- Use of protective footwear and hard hats is mandatory
- All equipment must be CSA approved

### 1.4.2 – Animals

- Animals are not permitted in Meridian Hall unless required by the event
  - Must be approved in advance, in writing, by TO Live – *please consult Production*

### 1.4.3 – Smoking

- Meridian Hall is a smoke-free building

## 1.5 – IATSE AFFILIATIONS

### 1.5.1 – IATSE Contacts

**IATSE LOCAL 58 – STAGE**
Business Agent: Nelson Robinson
511 Adelaide Street West
Toronto, ON M5V 1T4
Telephone: (416) 364-5565
Fax: (416) 364-5987

**IATSE LOCAL 822 – WARDROBE**
Business Agent: Michelle DiCesare
511 Adelaide Street West
Toronto, ON M5V 1T4
Telephone: (416) 276-8616
Fax: (416) 622-0900

### 1.5.2 – HOUSE TECHNICIANS

Richard Karwat, Head Electrician
Steve McLean, Head Carpenter
Marcus Sirman, Head of Properties
Colton Stang, Head of Sound
Andre Ouimet, Assistant Carpenter
Peter Cathers, Flyperson
Zsolt Kota, Assistant Sound
Michael Farkas, Assistant Electrician / Head of Video
Jason Urbanowicz, Assistant Electrician

**NOTE: Meridian Hall maintains labour agreements with IATSE Locals 58 and 822**