



## TO Live Theatre Specification

TO Live operates seven theatres and ancillary spaces in three buildings.

### Venues:

#### **Meridian Hall – Head Office**

1 Front Street East  
Toronto, Ontario 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
StLC – Bluma Appel Theatre	seating capacity	868
StLC – Jane Mallet Theatre	seating capacity	499
Meridian Arts Centre – George Weston Recital	seating capacity	1036
Hall Meridian Arts Centre – Lyric Theatre	seating capacity	561
Meridian Arts Centre – Greenwin Theatre	seating capacity	296
Meridian Arts Centre – Studio Theatre	seating capacity	183

# Meridian Hall Specifications – Comprehensive

## Meridian Hall

### 1.1 THEATRE

#### 1.1.1 Seating Capacity

Orchestra	2133
Mezzanine	250
Balcony	<u>789</u>
<b>Total</b>	<b>3172</b>

Pit Seating 58 Pit seating is removable with additional costs incurred  
A mid-house curtain can reduce Orchestra capacity to 1,160

#### 1.1.2 Stage Dimensions

Proscenium opening	59'-10"wide x 30'-0"high	18.24m x 9.14m
Stage depth (Curtain line to most US lineset)	50'	15.24m
CL to SR	44'	12.19m
CL to SL	46'	14.02m
Apron measurements	60'wide x 5'deep	18.29m x 1.52m
Stage to high steel/grid	89'	27.13m
SL wing space	8'wide x 50'deep	2.44m x 15.24m
SR wing space	30'wide x 50'deep	9.14m x 15.24m

\* Crossover space is available US of the last lineset \* Access stairs SL and SR lead to auditorium seating \*

#### 1.1.3 Stage Equipment

##### House Curtain

- Blue velour, guillotine, with centre split, operated from DSL deck level – motorized

##### Stage Floor

- 3/8" (9.5mm) Plyron hardboard face laminate – painted black
- ~40' x 40' (12.19m x 12.19m) trapped area, 66 traps, (44.13"W x 73-79"L) – manual removal
- For self-propelled equipment on stage – *contact Production*

##### Dance Floor – additional rental and labour costs apply

- Harlequin Reversible Pro Black/Grey, 2m x 15m – 8 pcs, 16m depth (6'-7" w x 49.2'l, 52' total depth)
- Harlequin Cascade Black 501, 2m x 15m – 8 pcs, 16m depth (6'-7" w x 49.2'l, 52' total depth)
- Harlequin Cascade Black 501, 2m x 7.5m – 2 pcs, wing extensions (6'-7" w x 24.6'l)

##### Orchestra Pit

- Adjustable to 10' (3.05m) below stage level – motorized
- Apron is 4' (1.22m) deep and overhangs US wall of pit by 12' (3.66m)
- Chairs, music stands, stand lights (60/ea.)
- When in use the orchestra pit is fitted with a safety net at stage level

#### 1.1.4 Fly System & Soft Goods

70 sets on 8" (203mm) centres with 8 lift-lines per set

54 single-purchase counterweight & 16 motorized linesets (1-3, 9, 11-12, 23, 24-25, 28, 38, 51-52, 64-66)

House pipes: 70' (21.34m) long – can extend to 78' (23.77m). Pipe travel is 75' (22.86m)

- 1,200 lbs. (544 Kg) per counterweight lineset – UDL, OR 450 lbs. (204 Kg) per Loftblock
- 1,000 lbs. (454 Kg) per motorized lineset – UDL, OR 450 lbs. (204 Kg) per Loftblock
- 40,000 lbs. (18,144 Kg) of counterweight available
- 60 spot wheels with 10,000' (3048m) of rope available

SOFT GOODS	QUANTITY	WEIGHT		
Legs - pair, black velour	5	25oz.	20' x 40'	6.09m x 12.19m
Border, black velour	5	25oz.	15' x 70'	4.57m x 21.34m
Backing, black velour	2	25oz.	36' x 40'	10.97m x 12.19m
	1	25oz.	36' x 70'	10.97m x 21.34m
Traveler, black velour	2	25oz.	35' x 40'	10.67m x 12.19m
Scrim, sharktooth, black	1		30' x 65'	9.14m x 19.81m
Cyclorama, white	1		30' x 65'	9.14m x 19.81m
Teaser, black velour	1	25oz.	16' x 70'	4.88m x 21.34m
Portal Leg, black velour	2	25oz.	16' x 32'	4.88m x 9.75m

## Meridian Hall Specifications – Comprehensive

### 1.1.5 Rigging

Full gridiron 89' (27.13m) above stage

16" Box Truss:	#1 DS (swing wing)	60'	(18.29m)	4 x 1-Ton chain motor,
	#2 - #4	60'	(18.29m)	4 x ½-Ton chain motor
	#5 US	60'	(18.29m)	2 x ½-Ton and 1 x 1-Ton chain motor
	FOH	Two 20'	(6.09m)	2 x ½-Ton chain motor (each)
	Cable bridge SR			2 x 1-Ton chain motor
	Available:	2 x 64'	(19.50m)	truss (must be assembled)

### Stage Loading

200 psf (9.57 kN/m<sup>2</sup>) live load

### 1.1.6 Risers

Wenger Versalite riser top	20	4' x 8'	1.22m x 2.44m
Wenger Versalite riser top	6	4' x 4'	1.22m x 1.22m
Wenger Versalite "Roll-A-Deck" frame	4		
Stairs available: <i>contact Production</i>			

### DECK LEGS

10 sets	60 pcs	8"	0.20m
6 sets	36 pcs	16"	0.41m
5 sets	30 pcs	24"	0.61m
10 sets	60 pcs	32"	0.81m

### 1.1.7 Lecterns

Plexiglas lectern with gooseneck microphone holder 2

## 1.2 ELECTRICS

### 1.2.1 On Stage Tie-In – all 120/208V, 3 phase

PANEL	AMPS	PROTECTION	USE	LOCATION	TIE IN TYPE
A to E (5)	400/panel	Breaker	Dimmers	DSR Pros Wall	J-Series Cam-Lok
F	100	Breaker	Sound	DSL Pros Wall	J-Series Cam-Lok
G	100	Breaker	Winches	DSR Pros Wall	House Chain Motors
H	100	Breaker	Extra	DSR Pros Wall	J-Series Cam-Lok
I	100	Breaker	Extra	DSR Pros Wall	J-Series Cam-Lok

### 1.2.2 Front of House

POSITION	LENGTH	DISTANCE TO PROS	HOUSE CIRCUITS	
FOH Truss (L & R)	24'			
1st Balc Rail	60'	90'	28	
1st FOH Cove	70'	35'		
2nd FOH Cove	70'	48'	24	
Box Boom 1	N/A	11'	9	

  

POSITION	QUANTITY	INSTRUMENT	WATTAGE	REMOVABLE
FOH Advance Truss	3	VL1000AS	575 MSR	
(on both SL & SR)	2	VL1000TS	1000	
	1	MAC Encore Performance CLD		
1st Balc Rail	19	Strand SL 15/32 zoom	750 GLD	Non-Removable
2nd FOH Cove	48	Selecon 14-35 deg. zoom	750 GLD	Non-Removable
	8	VL1000AS	575 MSR	Non-Removable
Box Booms 1-3 (SL & SR)	2, 2, 6	Strand SL 15/32 zoom	750 GLD	Non-Removable

### CONNECTORS

- 20A STAGE-PIN – 2P&G at 120V, NEMA L6-20 TWIST-LOK at 208V
- Ceeform and NEMA L21-30 TWIST-LOK connection available
- House SOCAPEX connections are NOT wired with Christie Lites'/TLC's unique 208V scheme

## Meridian Hall Specifications – Comprehensive

### 1.3 EQUIPMENT

#### **1.3.1 Stage Lighting**

<b>POSITION</b>	<b>QUANTITY</b>	<b>INSTRUMENT</b>	<b>WATTAGE</b>	<b>NOTES</b>
LX TRUSS 1	9	VL4000		
	4	VLX3		
	8	Strand SL 15/32 zoom	750 GLD	Tips at end of pipe
LX TRUSS 2	3	VL4000		
	10	MAC Encore Performance CLD		
	4	VLX3		
	4	ETC S4 26°	750 GLD	Tips at end of pipe
	4	ETC S4 36°	750 GLD	Tips at end of pipe
LX TRUSS 3	9	MAC Encore Performance CLD		
	4	VLX3		
	4	ETC S4 26°	750 GLD	Tips at end of pipe
	4	ETC S4 36°	750 GLD	Tips at end of pipe
LX TRUSS 4	9	MAC Encore Performance CLD		
	4	VLX3		
	4	ETC S4 26°	750 GLD	Tips at end of pipe
	4	ETC S4 36°	750 GLD	Tips at end of pipe
LX TRUSS 5	9	IRIS - 4 CYC	1000	Centre - single circuits; Outsides - paired in 2s (20 cir.)
FOLLOW SPOT	4	Lycian 1290	2000	Moveable
SPOT BOOTH	1	4 spots max, 145' throw to pros.		
LX BOARD	1	Grand MA 2 Lite w/ NPU		
	1	Grand MA 2 OnPC (onstage focus & backup)		
NETWORKING	sACN	MA-NPU at FOH, ETC DMX Gateways, Pathport opto-splitters Lines to board position: 2 x optical, 6 x Cat5e, 6 x DMX		
HOUSELIGHTS	Dimming and control from DSL production panel, which also controls work lights, running lights, and main curtain			

#### **1.3.2 Audio**

##### **LOUDSPEAKERS**

###### MAIN ARRAY

<b>Position</b>	<b>Quantity</b>	<b>Equipment</b>	<b>Notes</b>
Left & Right	11	Adamson E15 cabinet	per side
	2	Adamson S10 cabinet	Underhung per side
Ground Stack In-fill	3	Adamson S10 cabinet	per side
	6	Adamson E119 cabinet	Flown per side
Subwoofers	2	Adamson E119 cabinet	Stacked on deck per side
	8	Adamson S10 cabinet	
Centre Cluster	8	Adamson S10 cabinet	
Front Fill	4	Adamson Point 8 cabinet	
Under Balcony Delay	6	Adamson Point 8 cabinet	

##### **CONSOLES**

FOH	1	SSL Live L300 Console, House Operator
MONITOR	1	SSL Live L300 Console, House Operator
FOH or MONITOR	1	Yamaha PM5D-RH Console, Guest Operators
FOH PLAYBACK	1	MacBook Pro with QLab

## Meridian Hall Specifications – Comprehensive

### TOURING ACT INFORMATION:

*Access to the house array from a touring console:*

Connection available through the house Lake LM44 system processor at the FOH mix position, either

- Left / Right Full Range, OR
- Left, Right, Sub, Fill

Inputs are analog or AES

The system processor has “Lake Groups” for:

- Left + Right Arrays
- Left + Right In-fills
- Flying Subs, 6 per side
- Deck subs, 2 per side
- Front Fills
- Center Cluster
- Under Balcony Fills

Guests may request EQ, Gain, and/or Delay adjustments of any of the Lake Groups. The tablet running the Lake LM44 does remain with the House Operator at all times.

300' cable run from SL to FOH position

Company switch: 100 Amp, 3-phase, Transformer–Isolated, DS Left

### MONITOR SYSTEM

TYPE	QUANTITY	EQUIPMENT	NOTES
Wedge Monitor	12	Adamson M12 monitors	including cue
Drum Fill	1	Adamson M212 monitor	
	1	Adamson S119 subwoofer	
Side Fill	3	Adamson S10 cabinets	per side
	2	Adamson S119 subwoofers	per side
Headphone Amp	2	Whirlwind PA-1 wired personal	guest supplies buds/headphones

### ACCESSORIES

EQUIPMENT	QUANTITY
Atlas/K&N mic stands	30 assorted
Mic & speaker cable	all for house equipment
12-pair sub-snake	3 – 50', 100', 125'
8-pair sub-snake w/ 4 returns	1 – 50'
8-pair tail-to-tail	4 – 15'
AC cable, quad boxes (3 x 20A), power bars	assorted for stage power
Tripod speaker stands	4

### INTERCOM SYSTEM

EQUIPMENT	QUANTITY	NOTES
Clear Com SB 440	1	4 ch. main station
Clear Com RM 440	1	4 ch. remote station
Clear Com RM 220	1	2 ch. remote station
Clear Com RS 501	8	Packs & headsets
Clear Com RS 502	2	Packs & headsets
Pro Intercom BP1	6	Packs & headsets
Pro Intercom BP2	2	Packs & headsets
Clear Com KB 111	2	Speaker Station
Clear Com CZ11513	1	2 ch. wireless base station
BP210 Beltpack	4	
HS15 Headset	4	
Dry Line Patch Points	6	At all typical locations

### PROGRAM SOUND

Feeds to Lobbies, Spot Booth, Assistive Listening System & all Dressing Rooms for FOH

Paging from SL & SR w/ Program duck

Media Split at FOH

## Meridian Hall Specifications – Comprehensive

### MICROPHONES

TYPE	EQUIPMENT	QUANTITY	NOTES
Dynamic	SHURE Beta 52A	1	
	SHURE SM 58	8	
	SHURE SM 57	7	
	AUDIX D6	1	
	AUDIX D2	6	all with drum clamp
	SENNHEISER MD 521	5	
	BEYER M88	2	
	Heil PR35	6	
	SHURE PGA 58	1	switched
	Condenser	SHURE Beta 91A	1
NEUMANN KM 184		5	
NEUMANN TLM 102		2	
RODE NT5		8	
RODE M2		2	
RODE NT 1000		4	
SHURE MX 412		4	all with A412B desktop base
DPA 4099		12	with clips: 8 violin, 2 cello, 2 contrabass, 2 piano, 4 brass
Direct Boxes	Avalon U5 high-voltage DI-preamp	1	
	RADIAL JDI passive	6	
	RADIAL J48 active	4	
	RADIAL JPC active	1	
	WHIRLWIND ISO-POD	1	

### WIRELESS MICROPHONES

*All equipment is slated for replacement in early 2020 to avoid restricted DTV bands*

Wireless Receivers	SENNHEISER EM 2050 UHF receivers	2	626MHz-698MHz (4 ch. total)
Wireless Mic Kit 1	SENNHEISER SKM 2000 handheld	4	
	SENNHEISER SK 2000 bodypack	2	
	DPA 4088 directional headset	2	
	DPA 4061 omni lav	2	
Wireless Mic Kit 2	SENNHEISER SKM 2000 handheld	4	MMD 965-1 capsule
	SENNHEISER EW 332 G3 bodypack lav	4	EM 300, SK 300, ME4
	SKM 300-835 G3 handheld dynamic cardioid	4	Series 300, MMD 835-1 capsule

### 1.3.3 Video

#### PROJECTORS

- Two (2) Barco HDX-W20 Flex, 20K Lumens, stackable
- Two (2) TLD+ (4.17 - 6.95:1 WUXGA) (4.5 - 7.5:1 SXGA+) Lens
- Two (2) TLD+ (2.56 - 4.17:1 WUXGA) (2.8 - 4.5:1 SXGA+) Lens
- Two (2) 0.98" DC2K 1.2-1.8:1 Lens

#### SCREENS

One (1) Rear	20' x 11.25'	6.1m x 3.43m	1.78:1
One (1) Front	40' x 22.5'	12.19m x 6.86m	1.78:1

#### CONTROL & DISTRIBUTION

- Various switchers and distribution equipment
- Archival audio/video system available. Artist approval required.

## Meridian Hall Specifications – Comprehensive

### **WEBCASTING**

4 locations available

- SR port LGE-D02
- SL port LGW-D16
- FOH port UGN-D86
- Main lobby, west pillar UGN-D86

DHCP enabled with Google DNS servers and NAT to the Internet with no restrictions

- no firewall, no logging, no screening
- 10MB/s upload/download throttle limit

### **1.4 BACKSTAGE SPACES**

#### **1.4.1 Loading Docks**

Two docks stage right - directly off of Scott St

One level loading - Load bars are suggested because dock slopes down from street to doors

One street level

Docks are located side by side, doors are each 13'-6"H x 12'-6"W (4.11m x 3.81m)

Freight elevator access off the loading dock for any goods being taken to the lower level

Streets on the East (Scott St.) and South (The Esplanade) sides both access the loading docks. They are narrow with heavy vehicular and pedestrian traffic.

Access must be maintained at all times for non-stage-related deliveries and pick-ups.

#### **1.4.2 Parking**

*Available by prior arrangement only. Contact Production personnel.*

#### **1.4.3 Dressing Rooms**

Stage level (Stage Left)	4 rooms	3 persons/per
One level below stage	4 rooms	4 persons/per
One level below stage	2 rooms	5 persons/per
One level below stage	1 room	7 persons
One level below stage	1 room	8 persons
One Level below stage	1 room	15 persons

Total Dressing Room Capacity: 62 persons

*Each room includes; individual make-up stations, showers, toilets, sinks, heating/air conditioning & WIFI*

#### **CHORUS/LOCKER ROOMS**

One level below stage	1 room (W)	40 lockers
One level below stage	1 room (M)	36 lockers

*Both rooms include washrooms equipped w/ showers*

#### **1.4.4 Rehearsal Hall**

50'W x 50'D with 15' ceiling height

- 200 person capacity
- Sprung floor with Harlequin Standfast top surface
- Program sound from stage with volume control
- West wall is mirrored with 20 ballet barres
- Small PA for basic sound playback from iPod or similar device
- 100A electrical disconnect (J-series Cam-Lok)
- No theatrical lighting system or rigging points

## Meridian Hall Specifications – Comprehensive

### **1.4.5 Green Room**

- One level below stage                      40-person capacity
- Communal space for performers, promoters, clients, touring/local crew, etc.
  - Includes tables and chairs for up to 10 people (not to be moved)
  - Includes 2 sofas and 4 armchairs (not to be moved)
  - Program video
  - Second television (with cable)
- Small kitchen attached
- May not be used for catering, as an additional dressing room, or for Meet & Greets, etc.

### **1.4.6 Additional Spaces**

#### **Production Office**

- Dressing Rooms 3 & 4 are available as guest production offices
- Direct-Dial Lines
- Hard Line Internet Connection
- Wi-Fi available

#### **Catering Lounge**

- One level below Stage
- Seating for 45 persons

#### **STORAGE SPACE**

*None. Meridian Hall is a Road House.*

## **1.5 MISCELLANEOUS**

### **1.5.1 Health & Safety**

The Meridian Hall 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.

### **1.5.2 Animals**

Animals are not permitted in Meridian Hall unless required by the show/event. Their presence must be approved in writing by TO Live.

### **1.5.3 Smoking**

The Meridian Hall is a smoke-free building.

## **1.6 IATSE AFFILIATIONS**

#### **IATSE LOCAL 58 STAGE**

Business Agent: Nelson Robinson  
511 Adelaide Street West  
Toronto, ON, M5V 1T4  
T: (416) 364 - 5565    F: (416) 364 - 5987

#### **IATSE LOCAL 822 WARDROBE**

Business Agent: Michelle DiCesare  
511 Adelaide Street West  
Toronto, ON, M5V 1T4  
T: (416) 276 - 8616    F: (416) 622 - 0900

#### **STAGE TECHNICIANS**

Rupert deGruchy	Head Carpenter
Richard Karwat	Head Electrician
Michael Guy	Property Master
Ross Tuskey	Chief Sound Technician
Steve McLean	Assistant Carpenter
Ken Clausen	Flyperson
Jason Urbanowicz	Assistant Electrician
Zsolt Kota	Assistant Sound Technician
Chris Nadon	Assistant Electrician/Chief AV Technician

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

**IATSE personnel handle all technical and wardrobe requirements throughout the building.**