

## TECHNICAL INFORMATION

The following pages provide more detailed information on Air Canada Centre's specs, including rigging information, room sizing and capabilities as well as show services.

### ARENA FLOOR

- Ice Hockey: 200' x 85'
- Basketball: 136' x 85'
- Ice cover: Ice Pro ice decking – smooth concrete from mid-June\* to mid-September.  
(\*dependent on playoff schedule)

### STAGE/MIX/BARRICADE

**Maximum stage size:** 60'w x 48'd – contingent on the number of decks needed for the mix position, wings and camera platforms; Stage Right brand stage decking system. Stage can be requested as rolling.

**Stage height:** 4'6" – 6'

**Maximum PA wings:** Two (2) at 12' x 16' – contingent on the size of the stage

**Modules:** 90 modules – each 4' x 8'

**Skirting:** Black available for three (3) sides

**Concert barricade:** 100 feet, flat only (no corners), Stage Right brand blow-thru heavy barricade.

**Bike Rack barricade:** Several pieces with vinyl covers to surround mix position, etc.

**Sound riser:** Will build to suit on light-duty riser frames up to two (2) feet high.

**Lighting riser:** Will build to suit on light-duty riser frames up to two (2) feet high.

**Stage Steps:** Two (2) sets with hand rail, one (1) without

**Toe Rail:** PC 10 at 8' (80' total), PC 5 at 4' (20' total)

**Hand Rail:** 16 at 8' (128' total), 7 at 4' (28' total)

**No ramps**

**No adjustable seats**





## DRESSING ROOMS

### Multipurpose Room A

**Area:** 23' x 23'

Up Stage Left

Share washroom and shower with Multipurpose Room B

16 phone jacks, eight (8) data jacks

### Multipurpose Room B

**Area:** 23' x 19'

Up Stage Left

Share washroom and shower with Multipurpose Room A

Four (4) phone jacks, two (2) data jacks

### Male Officials Locker Room

**Area:** 10' x 16'

Up Stage Right

Private toilet and shower

Two (2) phone jacks, one (1) data jack

### Female Officials Locker Room

**Area:** 8' x 16'

Up Stage Centre

Private toilet and shower

Two (2) phone jacks, one (1) data jack and television

### Studio B

**Area:** 23' x 15'

House Right

No private washroom facility

Eight (8) phone jacks, four (4) data jacks

### Wives, Friends & Relatives Lounges

Two (2) adjoining rooms, one (1) with a small bar area for entertaining

**Area:** Kitchen/Dining Room: 26' x 18'

Living Area: 14' x 16'

Remotely located Rear House Right with private hallway

Shared private washroom with one (1) shower

Four (4) phone jacks, two (2) data jacks

### Tour Catering (Rogers Media Room)

Subject to a service charge

**Area:** 55' x 23' plus attached room 15' x 15'

House Right

Multiple phone/data jacks and televisions

### Alternate Multi-Purpose Room (Learning Centre)

Remote room with stair access only, and staff hallway

**Area:** 12' x 25'

House Left

Shared washroom facilities with staff area nearby

Multiple phone and data jacks

### Visiting Hockey/Basketball Facility

There are two (2) separate washroom facilities including multiple showers, toilets, urinals, sinks, and mirrors between four (4) available rooms, located House Right

### Visiting Hockey / Basketball Team Room

**Area:** 26' x 30'

One (1) phone jack, one (1) data jack

### Dressing Room 2

Only available during the off-season

**Area:** 15' X 25'

Two (2) phone jacks, one (1) data jack

### Dressing Room 3

**Area:** 25' X 23'

Two (2) phone jacks, one (1) data jack

### Dressing Room 4 / Studio C

**Area:** 25' X 15'

Two (2) phone jacks, one (1) data jack



## FORKLIFT INFORMATION

Air Canada Centre has four (4) forklifts available, all pneumatic, hard-tire, propane fuelled, counterweight type machines:

- Clark – 5,000 pounds lifting capacity at truck bay level
- Caterpillar – 8,000 pounds lifting capacity
- Caterpillar – 4,000 pounds lifting capacity
- Caterpillar – 5,000 pounds lifting capacity

## ENVIRONMENTAL CONTROL

The arena bowl is controlled in zones by the Building Engineering department. Other rooms can be individually controlled through your Event Coordinator by Building Engineers.

## EVENT RIGGING INFORMATION

**Height from Floor to Low Steel Rigging beam system:** 91' 6" event floor to low steel

**Distance between beams:** 12-feet, 6-inches for bridles running cross-stage (cross-rink); other bridle configurations are not permitted. Deadfalls are always preferred, if possible. There are specific loading capacities of the available beams. A rigging plot must be advanced prior to the event to determine rigging compatibility.

**Maximum loading capacity:** Ultimate capacity is 200,000 pounds in any of west, centre, or east rigging zones; pre-approval from house structural engineering consultants for load distribution must be granted if total estimated event rigging weight exceeds 100,000 pounds.

**Height to underside of scoreboard:** 56 feet in high trim; 28 feet square directly over centre ice.

**In-house curtaining system:** Curtain is 24oz black velour with 50 percent fullness dasher to dasher and zero percent fullness dasher to the outside wall.

Curtain is inherently fireproof, and may be deployed in various configurations. Contact your Event Coordinator for details.

## SHOW SERVICES

We have a variety of furnishings available for the production offices and dressing rooms, including a limited supply of pipe and drape, folding tables, chairs, sofas, love-seats, coffee and end tables, floor lamps and carpets. Contact your Event Coordinator for more details.

### House Lighting:

- Broadcast event lighting with controlled shutters are available for a fee.
- Work lights (with re-strike time of 10 minutes and a 5-minute warm up time) are provided.
- We also have several walk-in lighting scenes available.

**Sports Effects Lighting:** 12 intelligent fixtures programmed and controlled by house effects lighting operator; custom gobos can be arranged.

- In two (2) clusters of six (6) Martin MAC III Profiles, hung above the blue lines
- Four (4) Martin MAC 2000 Profiles, under the corners of centre scoreboard

### Followspot Fixtures:

- Six (6) Lycian 1293 Xenon 3,000 watt long-throw, moveable, event spot lights ('Trooper' style gel frames).
- Four (4) Strong Gladiator IV 3,000 watt long-throw, fixed position, sport event spot lights (fixed dichroic colours) in corner positions are available on the rigging catwalk.
- All have dry tie lines for com connection.
- Shows are expected to provide their own gel colours and communication systems.



**Show Power:**

**Location 1** – power is located Up Stage Right - 80' to Up Stage Centre

**Location 2** – power is located Up Stage Left - 80' to Up Stage Centre

**Location 3** – power is located House Right – suitable for theatre set-up, 200' to theatre-mode Up Stage Centre

**Power Disconnects (3 phase, 208V, 5-wire SJ-series Cam-Loc):**

- 800 amp
- 400 amp + one (1) 400 amp shunted from audio power transformer
- 200 amp
- 100 amp

**Audio Power Disconnects (3 phase, 208V, 5-wire SJ-series Cam-Loc):**

- 400 amp + one (1) 400 amp shunted to power disconnect room
- 200 amp

**Theatre Power Disconnects (3 phase, 208V, 5-wire SJ-series Cam-Loc):**

- 400 amp
- 200 amp
- 100 amp

**Shore Power:**

- Two (2) 400 amp disconnects in loading dock/central interconnect area
- Four (4) 200 amp disconnects in loading dock/central interconnect area
- Five (5) 85 amp disconnects in loading dock/central interconnect area
- One (1) 400 amp disconnect in exterior secondary patch bay
- Two (2) 200 amp disconnects in exterior secondary patch bay

\* Exterior power is accessed at the southwest corner of the facility (corner of York Street and Lake Shore Boulevard.)

**Sound/Public Address System:**

- JBL design consists of 12 clusters of conventional style speaker cabinets distributed around the perimeter of the arena above the dasher boards. Each of the arrays consists of four (4) JBL PD5000 series cabinets.
- Four (4) JBL additional arrays of two (2) cabinets each cover the corners of the upper bowl beyond the ends of the gondolas.
- Four (4) JBL subwoofer cardioid clusters of four (4) dual 18" cabinets and four (4) single 18" cabinets arrays are co-located with four (4) of the main arrays. Delay steering of the bass arrays provides excellent bass coverage in the seating areas without unnecessarily exciting the upper volume of the room.
- Arena bowl sound system is DSP zoned to allow portions of the system to be used to support non-sporting events in the bowl – in particular, east and west end zone. JBL arrays – Upper bowl – EV Compact two-way speaker system covering behind the gondolas.
- All public address speaker management, bowl and back-of-house are processed by 14-BSS London BLU's – Cobranet Network Protocol.
- All public address speaker amplification, bowl and back-of-house are powered by 52 Crown MA and CTS amplifiers – HiQnet Network Protocol.

**Videoboard:**

- Four (4) Mitsubishi 6mm LED hang in the centre of the arena bowl (Quad 1)
- Stage facing screens can be remotely turned off
- Eight (8) Mitsubishi 10mm LED arranged above main screens for secondary graphics or video (Octos)
- 360 degree LED around fascia of upper bowl
- Other graphic LED displays include Halo 1 above centre scoreboard, Halo 2 between Quad 1 and Octos, Quad 2 at bottom of scoreboard and Duos on east and west fourth floor fascia

**Dimensions:**

- 35' high x 35' wide – scoreboard overall size
- Quad 1 Main Displays – 10' x 17' (each 480h pixels x 864w pixels)
- Octos (two (2) sets of four (4)) – 6' x 8' (each 192h pixels x 256w pixels)
- Halo 1 – 3' x 140' circumference (44h pixels x 1920w pixels)
- Halo 2 – 1' x 72' circumference (32h pixels x 2176w pixels)
- Quad 2 – 3' x 15' (each 96h pixels x 448w pixels)
- Duos – 3' x 50' (each 36h pixels x 720w pixels)

**VENUE SERVICES****Venue Services Video Control Room:**

- Located in the Media Gondola SR
- Fully equipped 1080i High Definition broadcast control room
- Four (4) Sony HDC-1400 HD production cameras
- One (1) GVG LDK-4000 HD wireless camera
- One (1) 40x lens, two (2) 21x lenses and one (1) 16x lens, all with 2x extenders
- Avid Media Composer edit system with two-channel server playback
- Chyron HyperX HD graphic system
- Three (3) Sound and Video Creations Crossfire HD still/video playout servers
- Six (6)-channel EVS replay system (4 in / 2 out)
- Sony MVS-8000 production switcher
- HD-SDI with embedded audio fully integrated routing system
- Programmable production multi-viewer for customization of monitors and displays in the control room to suite guest producers/directors

- Full graphic creation available
- Ingest of content possible from HDCAM, Betacam SX, Betacam SP, DVD video or data, USB transfer

**Television Broadcasting:**

- 65 media bulkhead locations throughout the facility are all patchable through the central interconnect room on the Event Level
- Wide selection of camera positions within the main bowl
- Computer controlled broadcast and ambient lighting in the bowl with "instant on" shuttered broadcast lighting at various levels of brightness
- Indoor truck parking for two (2) full-sized mobiles and two (2) small support vehicles
- Exterior parking for four (4) additional mobiles and support vehicles
- NTSC and ASI fibre lines to central switch for transmit and receive signals in central interconnect
- Telephone lines available in central interconnect

**Venue Services Audio Control Room:****Live:**

- Main bowl – 96 Input, 32 Output Soundcraft Vi6 Digital mixing console with full on board DSP processing engine. Additional I/O includes 32 channels Cobranet, 128 channels MADI.
- BOH – 48 Input, 18 Bus Output DM 1000 Yamaha Digital mixing console. Full on board DSP. Additional I/O includes 16 Additional AES and 32 Cobranet via Mini-YGDAI Interface Cards.
- Eight (8) channels outboard DBX 1066 Compressor/Limiters.



- Six (6)-channel Shure UHF-R Wireless System – six (6) SM-58 Handheld wireless transmitters, two (2) – UR1 wireless lavalier transmitters.
- Eight (8) channels Telex BTR-800 wireless communication system.
- Two (2) Shure PSM 400 wireless IFB systems.

#### Production:

- Pro Tools HD-2 Accel Core System w/Pro Tools 96 I/O Audio Interface. Pro Tools HD-8 Software.
- Motu HD192 PCI Audio Interface.
- SSL X-Logic Delta Link MADI HD to Pro Tools HD Interface for Studio, Live and Broadcast Applications.
- Two (2) Denon DN-C640 Network CD Players.
- Full complement of audio recording and editing software, Mac and PC – Including Logic Pro, Sound Forge, Acid Pro, Peak 6, iZotope RX Audio Restoration.
- Blue Sky – Sky System One THX 2.1 Studio Reference Monitors.
- Tascam DA-30mk II DAT Record/Player, MD-301 Mini-Disc Record/Player.
- Marantz CD Record/Player, Cassette Record/Player.

#### Portable Audio:

- Four (4) – JBL EON Powered speakers and Stands.
- Two (2) – JBL Wedge Type Floor Monitors.
- Two (2) – Media & Production Racks – 14 Channel Allen & Heath Mixing Consoles, Recordable CD Players, 2-Channel Wireless Handhelds, Dual 31-Band Graphic EQ, Compressor/Limiters.
- One (1) – eight (8)-channel Shure Wireless Rack w/1-Channel Shure PSM 400 IFB System. Includes four (4) Wireless Handheld, eight (8) Wireless Belt-Pack w/DPA Lavalier Transmitters, eight (8) Wireless IFB Receivers.

- Microphone Kit – Including eight (8) Shure SM-58's, four (4) Shure SM-57's, three (3) Countrymen Podium Condensers, two (2) Tapco Direct Boxes, two (2) Sennheiser MKH Shotgun Condensers.
- One (1) – Pioneer DJM 800 Mixer, two (2) – Technics SL-12 MK5 Turntables, two (2) – Denon Digital Media Turntables.



**VENUE SERVICES RATE CARD**

• Rogers Media Centre Package	\$500/day
• Whole Works Package – includes use of all displays in bowl, complete HD control room and all equipment, scoring/timing system and a technical producer	\$1,500 first hour \$700/hour Plus Labour
• Quad 1 Package – includes use of main centre-hung video screens via a straight feed or single source playback device (i.e. DVD, Graphic Computer) and one operator specific to type of playback	\$500/hour
• Octo Package – includes use of centre-hung upper secondary video displays via a straight feed or single source playback device (i.e. DVD, Graphic Computer) and one (1) operator specific to type of playback	\$250/hour
• 360, Halo 1, Halo 2, Duos Package – includes use of these displays and one (1) operator (*Graphic files on these systems are proprietary and require a minimum 48 hours to create. Cost for creation is additional.)	\$250/hour
• Full Arena Sound System – includes two (2) wireless microphones and playback from any available audio source (CD, DAT, Mini-Disc, Computer File) and an audio operator	\$250/hour
• Portable Press Sound System – includes portable audio rack with mixer, compressor, EQ, CD player/recorder, media pool feed, two (2) powered speakers, four (4) wired microphones, two (2) wireless microphones, two (2) red head lights and one (1) audio operator	\$600 flat
• Broadcast Truck Park, Power and Patching on event day	\$1,700-SD, \$1,900-HD
• SD Broadcast package for fibre transmission up to four (4) hours	\$1,800
• HD Broadcast package for fibre transmission up to four (4) hours	\$2,400

• Live event crew rates:	
Technical Producer	Flat \$500 per day
Director	Flat \$400 per day
Technical Director	\$54/hour
Graphics	\$48/hour
Editing	\$48/hour
Server Playout	\$42/hour
EVS	\$48/hour
Camera Engineer	\$42/hour
Camera Operator	\$42/hour
Camera Assist/PA	\$38/hour
Audio Engineer	Flat \$450 per day
Audio Assist	\$38/hour
Octos Operator	\$42/hour
360/Halos Operator	\$42/hour
House Lights	\$34/hour
Special/FX Lighting	\$40/hour



