



Agganis Arena Promoter's Guide F Technical Specifications

LET'S GO TERRIERS

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# **General Information**

## **Facility Description**

Agganis Arena at Boston University is a multipurpose sports and entertainment center. A 290,000 square-foot premier venue with 6,150 fixed seats for hockey and ice shows, the Arena is expandable up to 7,500 seats for concerts, sporting events, and family entertainment.

#### Management

Agganis Arena looks forward to hosting your event in a first-class facility located in the heart of Boston. Guests can easily access the Arena via Storrow Drive, I-90, and the public transportation on the T. The Arena is staffed with 20 full-time professionals who oversee booking, event management, marketing, operations, and ticketing. Agganis Arena is owned and operated by Boston University; Arena executive staff members report directly to the Office of Auxiliary Services.

The Agganis Arena team is experienced, professional, creative, and excited to be working with you to create the best event possible. We care about our Guests – not only those coming through the front doors, but event planners, performers, and exhibitors coming through the back doors. We look forward to welcoming you to Agganis Arena and making your event a success.

## **Market Opportunity**

Agganis Arena is conveniently located on Commonwealth Avenue near Kenmore Square in Boston, the 6th largest market in the nation. The Arena Team can expertly assist event promoters in all aspects of marketing, from issuing press releases to managing marketing and advertising campaigns.

Since opening in January of 2005, Agganis Arena has ranked in the top 15 venues world wide for ticket sales in like size venues, according to the trade publication Venues Today. Other venues in this category include Radio City Music Hall, Nokia Theatre L.A. Live and Mohegan Sun Arena.

#### **Target Audience**

More than 8,900 Boston University faculty/ staff members and over 30,000 students
51 public and private 4-year colleges and universities within a 10-mile radius of the new Arena – a population of over 250,000 students.
Over 2.8 million residents in the Greater Boston area, including 90,000 BU alumni.

## **Booking and Facility Information**

Agganis Arena is now booking. For information, direct inquiries to:

> **Kristoffer Brassil** General Manager kbrassil@bu.edu

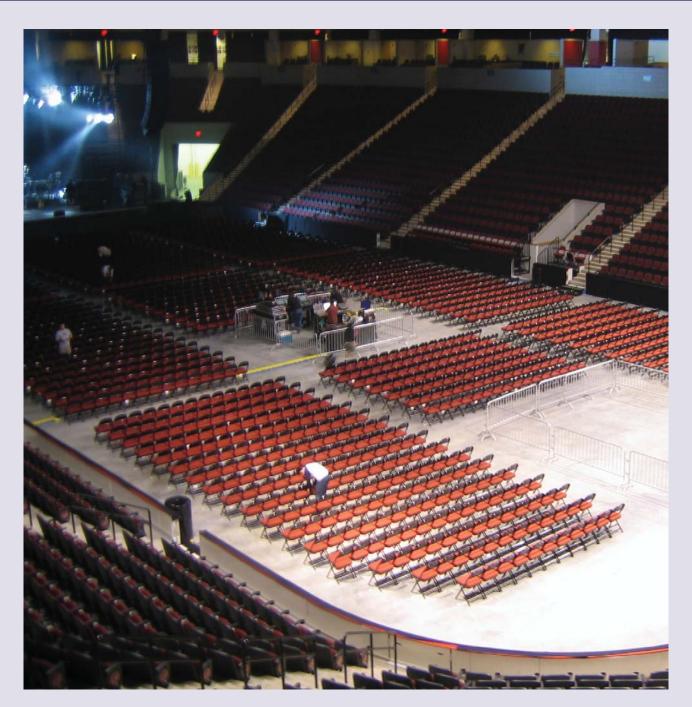
#### **Brad Mount**

Assistant General Manager bmount@bu.edu

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Agganis Arena at Boston University 925 Commonwealth Avenue Boston, MA 02215 (617) 358-7000 Voice (617) 358-7007 Fax

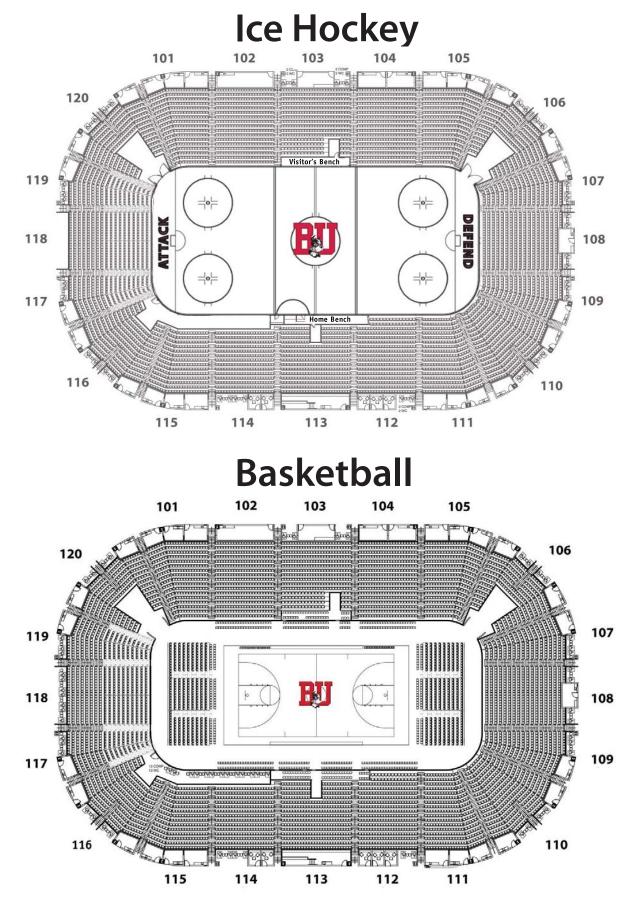


# **Technical Specifications**

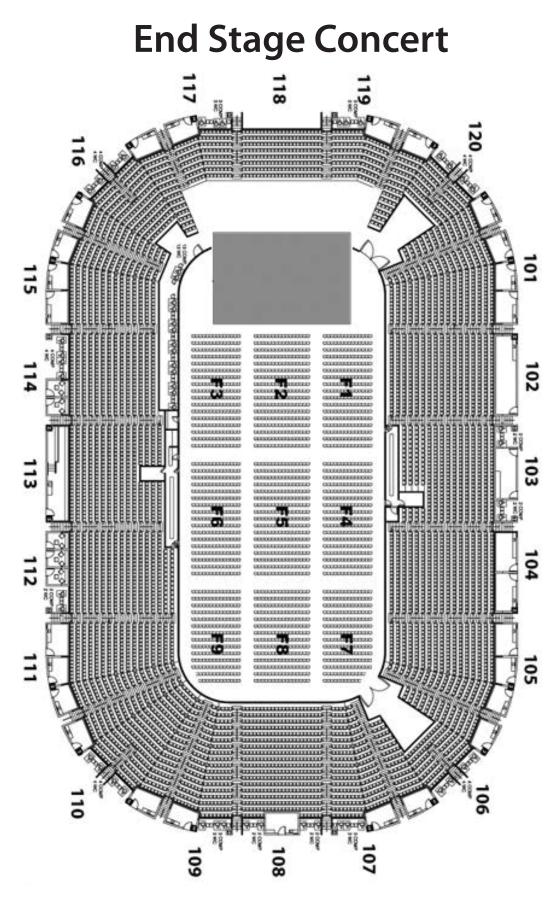
## **Agganis Arena Seating Capacities**

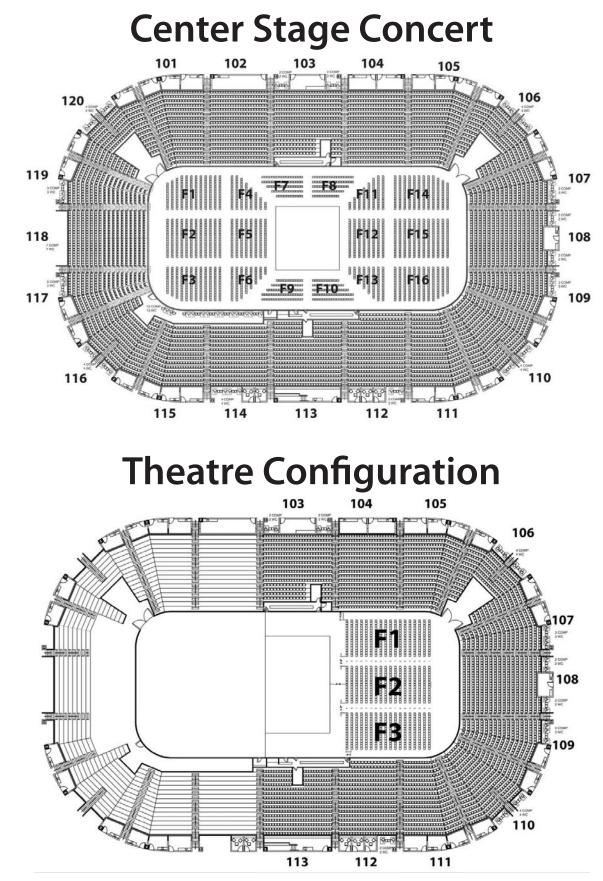
lce Hockey: Basketball: Concert: 6,150 seats 7,200 seats 2,500-7,500 Depending on Configuration

See seating charts on the following pages.



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### **Parking Capacities**

**Trucks & Buses:** There are three loading docks/ramps for efficient load-ins and load-outs. The truck and bus staging area is secure and well lit. The loading docks are covered, and include an area for a tractor-trailer production trucks (54-foot-long trailer) and vehicles (tractor-trailers, trucks, buses). On-site capacity is two buses or two tractor-trailers. A widened curb cut has also been provided at the north end and west side of Harry Agganis Way for parking various event-related vehicles. Arrangements may be made to park additional trucks and buses at other sites immediately adjacent to the facility.

**Automobiles:** The Arena owns and controls over 1,400 event parking spaces located on site and within a few minutes' walking distance to the main lobby and box office for easy and convenient guest parking. Public transportation is easily accessible with T (Green Line) stops at St. Paul Street and Pleasant street.

## **Parking Capacity Specificiations:**

• One (1) 400A-3P and one (1) 200A-3P cam-lock plug-in devices at 208v, 3-phase, 5-wire.

• Twelve (12) telecom quads (48 jacks).

• One (1) telecom fiber port (4-strands).

There is also parking for a satellite uplink truck located on Agganis Way, along the west edge of the Arena, with related panel hook-up locations at the northwest corner of the Arena:

• One (1) 200A-3P cam-lock plug-in device at 208v, 3-phase, 5-wire, for SNV (Satellite News Vehicle – KU or C-Band) uplink truck for national broadcasts. **Six (6)** 60-amp, 208v, singlephase twist-lock receptacles for ENG (Electronic News Gathering) trucks for local broadcasts.

- Twelve (12) telecom quads (48 jacks)\*.
- One (1) telecom fiber port (4-strand)\*.

\*Available upon activation.

### Load-In

Show load-in is located at the northeast corner of the Arena, approximately 55 feet from the northeast vomitory and event floor. There are two covered loading docks with levelers and drive-in door.

Bay 1: 10'-8"h x 7'-8"w
with adjustable dock leveler
Bay 2: 10'-8"h x 7'-8"w
with adjustable dock leveler
Bay 3: 14'-0"h x 14'-0"w
Provides drive-in access to event floor level via a concrete ramp.

• Northeast vomitory access to event floor: 14'-0"h x 14'-0"w overhead coiling door.

• The load-in staging area is  $13'-10 \frac{1}{2}''$  vertical clearance and has 2,300 square feet with a single structural column at the center of the area.

## **Event Floor Dimensions and Load Capacity**

#### Hockey/ Ice Event Configuration:

- Face of dasherboard to face of dasher board is  $90' \times 200'$ , with a 22' corner radius.
- Dasher system provides an aluminum frame with seamless acrylic glass that incorporates Check-Flex and Glass-Flex technology.
- Hockey goals are 11'-0" from dasher board ends.

• Full ice-making capabilities with two Zamboni ice re-surfacers, dedicated docking room, and ice-melt pit.

#### **Exhibition Configuration:**

• Arena event floor area with full perimeter dasherboard in place (90' x 200') provides

17,585 square feet of column-free exhibition space that can accommodate up to 108 8' x 10' display booths with 8' aisles.

• Arena event floor area with north end portion of dasherboard removed and retractable seating in the closed (retracted) position (90' x 227') provides 19,690 square feet of column-free exhibition space that can accommodate up to 120 8' x 10' display booths with 8' aisles.

• Arena event level floor area with entire perimeter of dasherboard removed provides 19,927 square feet of column-free exhibition space.

• Weight Restrictions: 250 pounds per square foot or HS20-44 truck loading in limited areas.

#### **Basketball Configuration:**

• A portable Horner basketball floor (120' x 64') is available as well as a composite, multipurpose, 90' x 200' portable insulating deck.

Event Slab Inserts:

• The event floor slab has 80 cast-in-place inserts for tying down gymnastics and circus equipment.

### **Staging and Mixer Platform**

The Arena is equipped with Stage Right portable staging (60' x 40') with 4 portable stair units and also has 84' of mojo-style blow through stage barricades. The standard mix size is 16' x 24'; height can vary from 18'' - 24'' (adjustable configuration at discretion of show).



## **Ready for Anything...**

Agganis Arena is capable of many seating and floor configurations, ranging from concerts to sporting events, and even theatre performances.

**Show Power** All panels are 3-phase stage panels, with cam lock-style connections:

### Stage Left:

### Stage Right:

- **Two (2)** 400-amp panels 208v/120v
- One (1) 200-amp panel 208v/120v
- Two (2) 400-amp panels 208v/120v
- One (1) 200-amp panel 208v/120v
- FOH
- One (1) 200-amp panels 208v/120v

#### **House Sound System**

The house sound system is a zoned system with multiple distributed loudspeaker clusters and flexible operator controls. The system has the capability to reach nearly every room in the house including the main bowl seating area, concourse, restrooms, dressing rooms, locker rooms, lobby, box office, media rooms, lounges, offices and production rooms. It is designed to provide high-quality sound, even coverage, and excellent speech intelligibility. The system is capable of providing listeners throughout the seating areas and at ice rink level high sound levels when needed as well as prerecorded music reproduction from a variety of sources. The overall system is comprised of the following components:

#### Main system loudspeakers:

- Distributed loudspeaker clusters for main seating.
- **Two (2)** loudspeaker clusters providing coverage for the event floor.
- Four (4) loudspeaker clusters attached to the bottom of the scoreboard to cover the center event floor.
- All speakers are by Eastern Acoustic Works (EAW), MQV and MQ Series.

#### Main system and features:

- Main operator controls including amplifier, mixing board, and signal processing electronics in control room at Concourse Level.
- Operator controls include the ability to run off loudspeaker zones for various seating configurations
- Portable, roll-around rack system for use at announcer locations, scoreboard operator location, skate rental area, and Concourse Level press box.

# The overall system provides music production from a variety of sources:

- In the control room a 5-CD changer, sound effects computer, DVD/CD/ laser disk player, and video and audio cassette decks are provided.
- At **four (4)** Concourse locations, at the Event Level NE, NW, and SE vomitories, and at the event floor level timer's box, there are box connection locations for a mobile roll-on cart which provides for a wireless microphone, a 5-CD changer, and a CD/audio combo deck.

#### **Other systems:**

• The Arena is also equipped with an Assisted Listening System for the hearing impaired that include 24 wireless receivers that can receive a live feed up to 100 feet from the sound's source.

#### **House Head Set and Intercom**

The house head set system is a 2-channel, fully matrixed, hard-wired system to many locations throughout the facility: scorer's table, press box, coaches' box, control room, production, and dressing and locker rooms.

The Arena provides production intercom locations in the following areas: control room, press box, score-keepers' booth, catwalks, fire command, ticket window, all follow-spot locations, all vomitory locations, TV camera room, and various corridor locations.

## Lighting

**House Lighting:** House lighting is controlled via eighteen (18) 1,000-watt quartz halogen fixtures. These fixtures are dimmable, and all are part of the emergency lighting system for the Arena bowl. The fixtures are controlled via touch-screen computers located in the truss-level control room, guest services, and facilities office. All computers can be programmed to control all or portions of Arena lighting.

**Sports (Event) Lighting:** The Arena has one hundred and thirty-two (132) 1,000-watt metal halide fixtures. The fixtures are controlled via touch-screen computers located in the truss-level control room and operations offices. All computers can be programmed to control all (or portions of) Arena lighting. These fixtures are programmable and each is on a separate circuit, allowing for various programmable "scenes" (specific lights on or off). While the number of scenes is not limitless due to aiming characteristics, many different scenes are possible. 108 fixtures have a blackout shutter/ shade that is individually controlled for maximum flexibility, from 0-100%.

#### **Spotlights:**

The Arena owns six (6) 1290 XLT lycian long throw spotlights for use on platforms accessible via the catwalk.



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## Rigging

Distance from the Arena event-level floor to bottom of steel roof trusses is 54'-6" clear. The steel framing below this height is limited to the spotlight platforms, the bottom of which are 46' clear above the event floor. The eight main trusses vary in height from 8' at the ends to 24' in the center. Specific rigging locations, capacities, and configurations are limited to the attached pdf diagram notes.

#### **Rigging Specifications:**

#### • Flexible/portable truss and motor

**system:** 210 linear feet of box truss, 11 rigstar 1 ton motors with control system, full 47' tall black velour curtains

• **Two (2)** 200A-3P cam-lock plug in devices at 208v, 3-phase, 5-wire, located on the north and south catwalks (one each) for show power

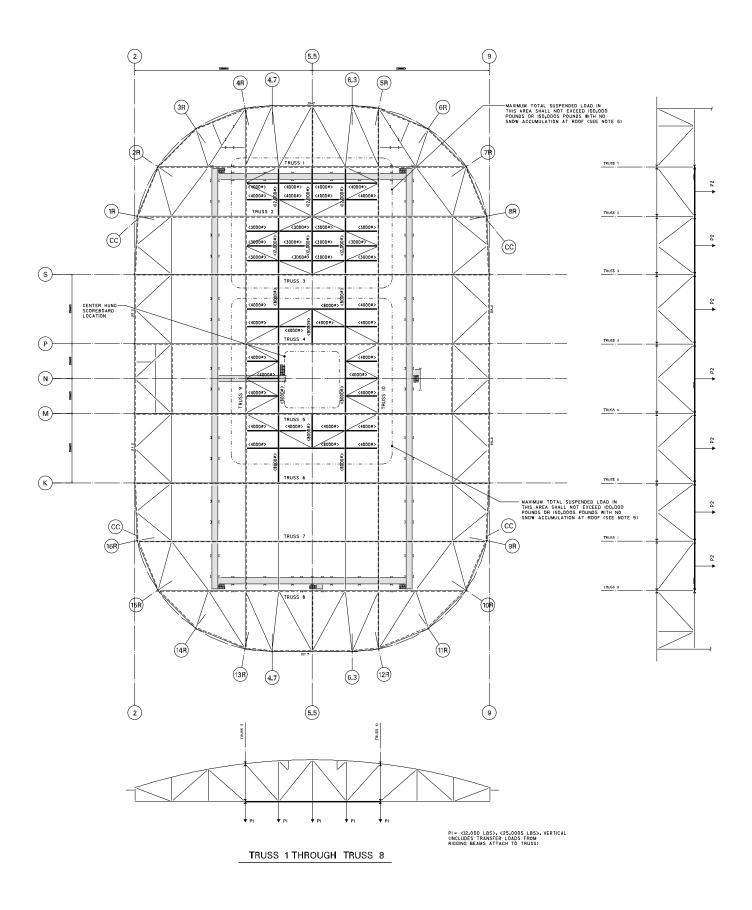
See details on the following pages.

### Fall - Arrest System

The Arena has an engineered fall-arrest system accessible from the catwalk. The main cross-stage cables are equipped with "hands free" capability and the system has been designed for two (2) users per sub span with the maximum number of users limited as four (4) per cable.

### **Dressing Rooms**

There are a total of six (6) visiting locker/dressing rooms available for show use. Each is equipped with private restrooms and showers. Additionally, there are two (2) star dressing rooms equipped with private restrooms and showers.



# Important Notes

# Catwalk Level Rigging Concentrated Load Criteria

**1.** Rigging concentrated loads shall be attached only to structure of the rigging zone or to bottom horizontal chords of the main trusses (shown as solid bold line segments). DO NOT attach to catwalk framing. DO NOT attach to diagonals of trusses, DO NOT attach to beams, joists, or trusses at roof level.

**2.** The rigging loading suspended from the grid level and truss bottom chords shall not exceed:

(A) The Individual maximum load and angle from the vertical as show in figure 1 (next page).(B) The total loads shown for the designated beams.

(C) 5,000 lbs from any truss bottom chord segment between panel points.

(D) 5,000 lbs from any designated beam location at a spacing no less than 20'-0' OC.

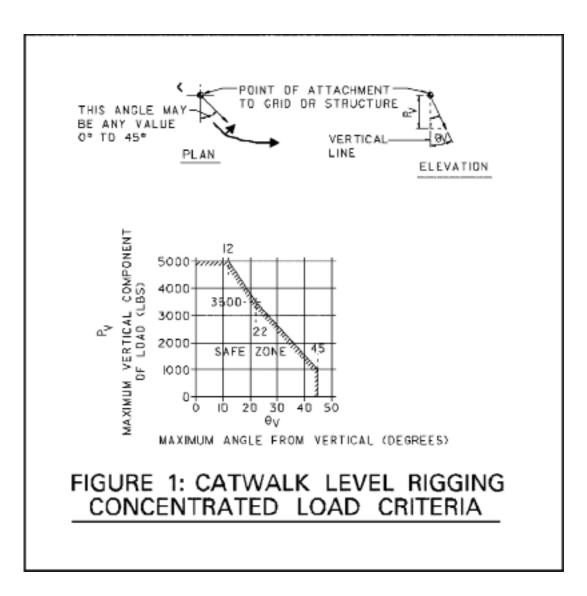
(E) 30,000 lbs total from any truss number 1 through number 8 and 60,000 lbs total from any truss number 1 through number 8 with no snow accumulation on roof (see note 5).

**3.** No loads shall be suspended from members not shown as solid bold line segments on this plan.

**4.** <0 lbs> indicates maximum total suspended load per member.

**5.** <05 lbs> indicates maximum suspended load permitted per member segment with no snow accumulation on roof. This loading condition is not permitted for use during the period of november 15 through april 15.

**6.** Structural allowance for center hung scoreboard is 60,000 pounds including winching system. This capacity is in addition to the rigging loads identified on this sheet.



# **Facility Information**

## **Air Quality**

The Arena has a state-of-the-art HVAC system that provides comfortable environment for Guests, whether it is 0 degrees in February or hot and humid in August. The environment is closely monitored for air quality according to Commonwealth of Massachusetts Health Regulations.

## **Box Office and Ticketing**

The Arena ticket office has an exclusive arrangement with Ticketmaster and features a fully computerized online ticketing system offering full-service ticketing and marketing options. The ticket office has eight (8) ticket windows adjacent to the southeast Arena main entrance and lobby. All tickets for admission to any event (s) at Agganis Arena must be sold or distributed through the ticket office.

## **Broadca**st

The Arena is cabled for hockey, ice show, and concert camera positions with digital-rated triax, coax, and audio pairs terminated on industrystandard connectors. There are four (4) SNV/ ENG parking positions on Agganis Way that are cabled into the Arena with interconnect to the production truck location at the loading dock.

## **Concessions and Catering**

All concessions and catering services are provided exclusively by Sportservice. A catering room is available to shows upon request. There is a 4,250-square-foot kitchen that is fully equipped; an on-site chef provides cuisine for all catered events. Additionally, there are five (5) concession stands and portable carts with over forty-four (44) points-of-sale.



Just a few examples of the food and beverage options at Agganis Arena.

## **Disabled Access**

The Arena meets all Massachusetts State Accessibility and Federal ADA requirements and exceeds these requirements in many areas.

• At-grade entries.

• Forty-four (44) wheelchair positions at the Concourse Level, with forty-four (44) adjacent companion seats.

- Thirteen (13) wheelchair positions at Event Level, with thirteen (13) adjacent companion seats.
- Flexibility in all private suites to accommodate a wheelchair.
- Accessible restrooms throughout the facility.
- Assisted listening devices.
- Four (4) passenger elevators.

## **Emergency Equipment**

The Arena is equipped with state-of-the-art fire sprinklers and smoke detection equipment, and fire extinguishers are located throughout the facility and office areas. There are two emergency generators that will provide uninterrupted power for sound and lighting in the event of a power failure.

### **Forklifts**

The Arena owns two (2) 5,000-lb. Hyster forklifts.

## **First Aid and Guest Services**

The Guest Service center is located in the northeast section of the Arena on the Concourse Level Section 102. The First Aid room is in the Southwest section on the Concourse Level, section 110.

## Locks and keys

Dressing rooms may be secured at the show's request; the Event Manager will provide keys.

### **Elevators**

There are a total of four (4) passenger elevators. Two (2) are located in the southeast corner of the Arena and both serve the two (2) levels of parking garage traveling to the main street-level promenade, directly adjacent to the Arena box office and lobby. There are two (2) additional elevators, one (1) each in the southwest and northwest corners of the Arena. The use of these elevators is restricted to Suite and Premium Seat holders, and both elevators can provide ADA access from the Arena lobby to the Concourse Level. There is also a freight elevator that serves both levels of the parking garage, street / promenade level, and the Arena concourse level 2. The weight capacity is 10,000 pounds.



Agganis Arena's Private Club Room.

#### **Private Club Room**

The Arena features a 5,600-square-foot Private Club Room that can accommodate up to three hundred fifty (350) guests, with a fully equipped pantry kitchen and full-service wet bar. The room is also equipped with a state-of-the-art public address and presentation audio system.

#### **Production & Media Rooms**

There are two (2) production, media/multipurpose rooms available for show use.

• The Media/Multipurpose room is 520 square feet and is equipped with four (4) outlets at each of five (5) locations, which can be used for either phone or Internet connections.

• The Production room is 750 square feet and is equipped with four (4) outlets at each of five (5) locations, which can be used for either phone or Internet connections.

#### **Pvrotechnics**

Pyrotechnics and smoke/fogging effects are allowed with a special permit issued by the Boston Fire Department. Requests for pyrotechnics must be submitted to the university in writing for approval in advance.

## **Public Restrooms**

There are fifteen (15) public restrooms, all complying with Commonwealth of Massachusetts requirements for "potty parity". All public restrooms are equipped with baby-changing stations. All plumbing fixtures have touchless flush valves or faucets.

#### Scoreboard and Video System

The Arena has a state-of-the-art center-hung 17' x 24' scoreboard with a four-sided 9' x 13' LED video screen featuring a fully integrated video, audio, and scoring system. High definition ribbon boards flank the east and west side of the arena and a center hung halo ribbon surrounds the top of the scoreboard. The 21,000-lb. scoreboard, ribbons, and center halo all have full video, animation, and graphics capabilities.

#### **Telephones**

Telephones can be installed in any of the dressing/locker rooms or other Arena locations at an additional charge.

#### Wireless Internet

Access the Internet through Agganis Arena's high-speed wireless network.