Boston University · Arena and Recreation Center Alexis M. Kreft



December 15th, 2006 Schematic Design Presentation

Building Overview

- Name: Boston University Arena and Recreation Center
 - Location: Boston, MA
 - Architect: Cannon Design
 - Size: 822,000 sq ft
 - Arena: 264,635 sq ft
 - Rec Center: 267,995 sq ft
- Underground Parking: 289,370 sq ft
- Construction Dates: May 2002-April 2005
 - Cost: \$185,000,000

All photos courtesy of CANNON DESIGN

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Building Features

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- o 2 gymnasiums
- 1/8 mile elevated track
 - 35' climbing wall
- Multipurpose activity/classrooms
 Dance theater

Arena

- State of the Art ice hockey rink
 Portable basketball floor
 Seating for 6,300 with 20 suites and
 - premium seats
 - Exclusive Club Room
 - Black Box Theater
- Concession stands throughout concourse

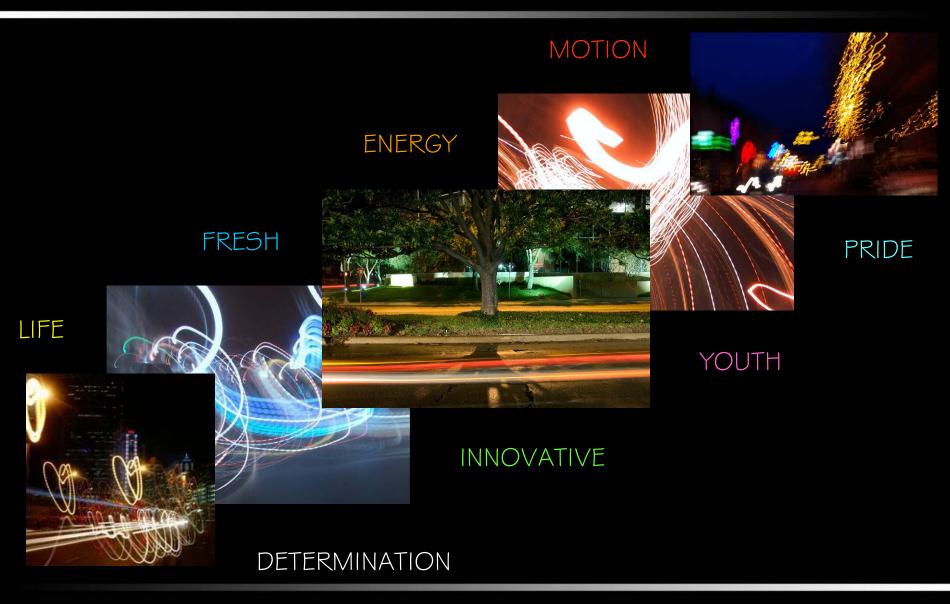




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Concepts



General Design Goals

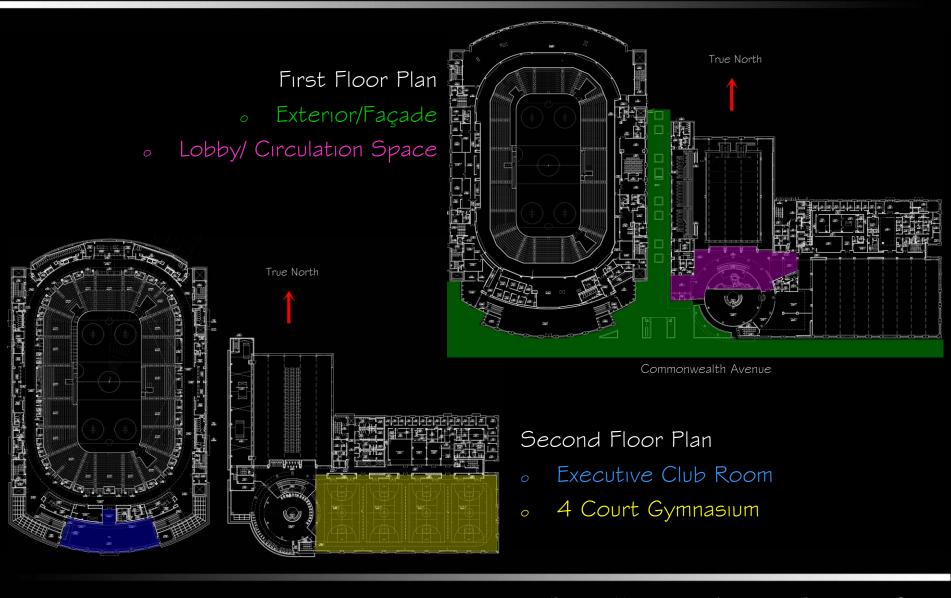
Create an environment that appears to be full of life and energy

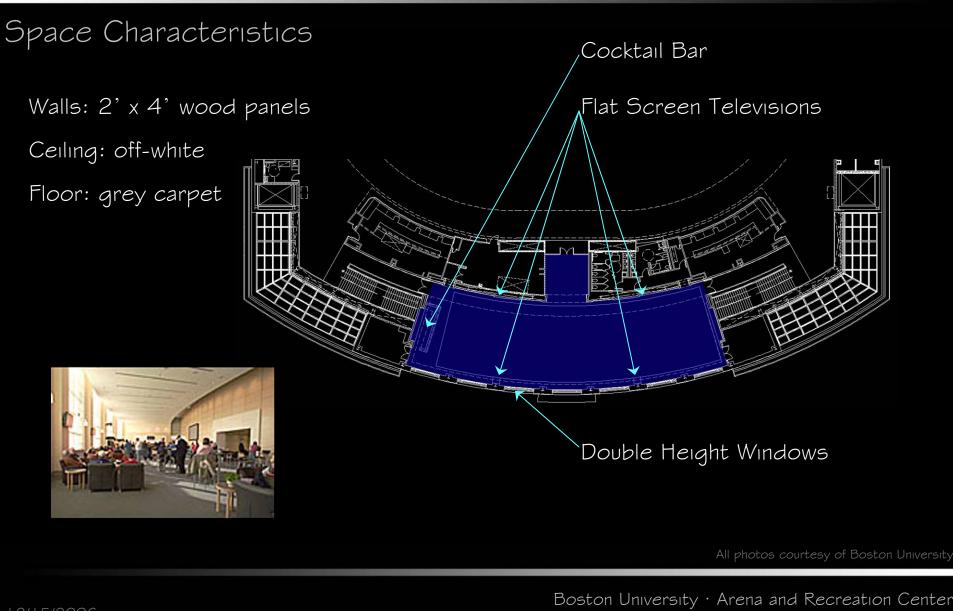
Use light to guide people through spaces

Provide efficient light levels while taking energy conservation into account

Atmosphere should have an inviting feel

Scope of Design





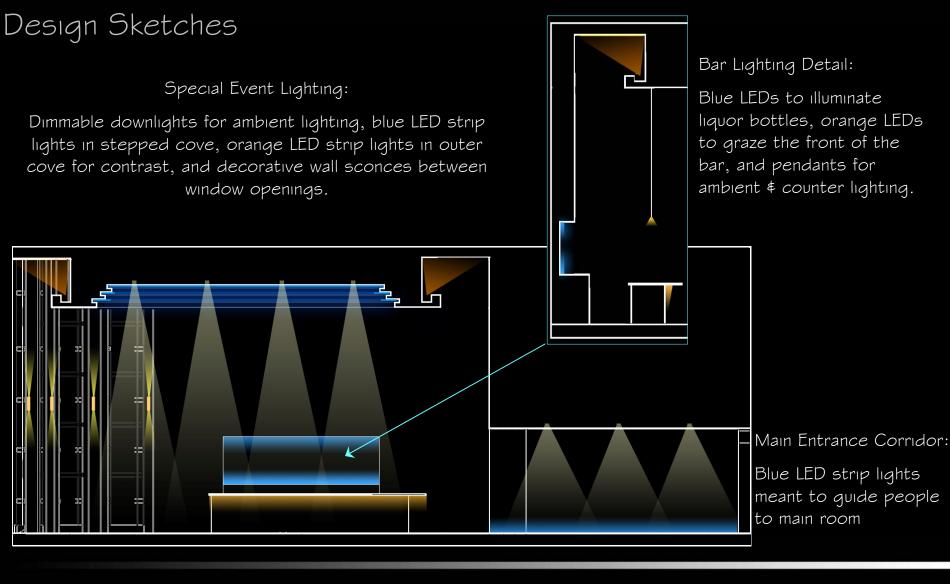
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Design Goals

- Create a relaxed and warm environment for all VIPs and exclusive club members
- Provide a flexible system for the different social setting requirements
- Avoid veiling reflections on flat screen televisions
- Integrate daylighting and daylighting control into the system
- Highlight the space characteristics:
 - Wood panels through use of warmer color temperatures
 - Curved architecture
 - Double-height windows
 - Cocktail bar

Design Concepts

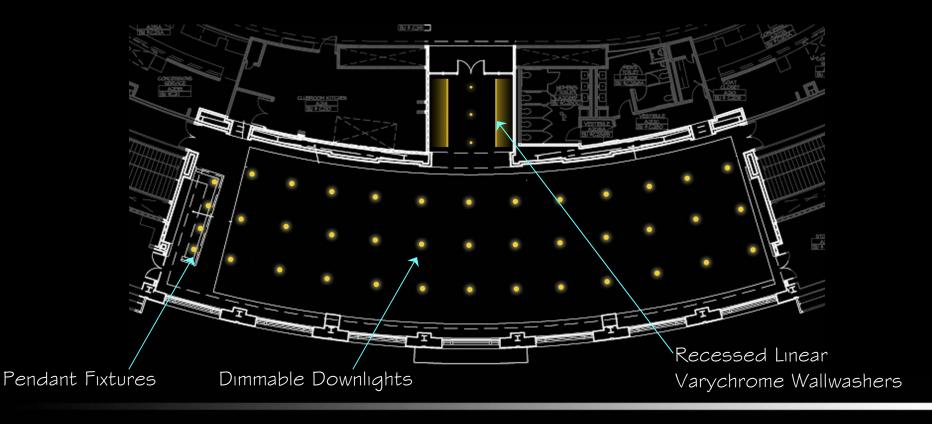




Design Sketches

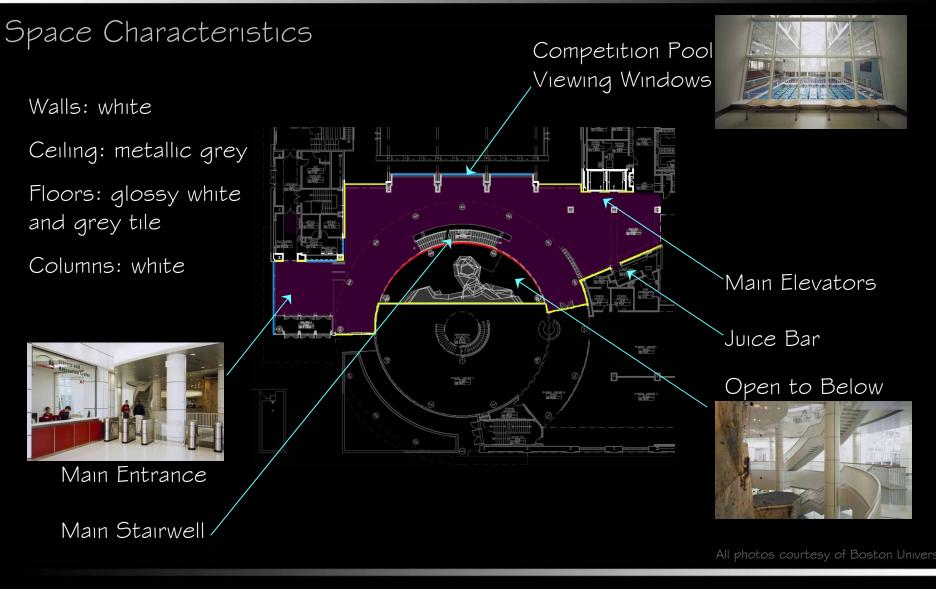
General Lighting:

Versatile dimmable downlights to minimize veiling reflections on flat screen monitors



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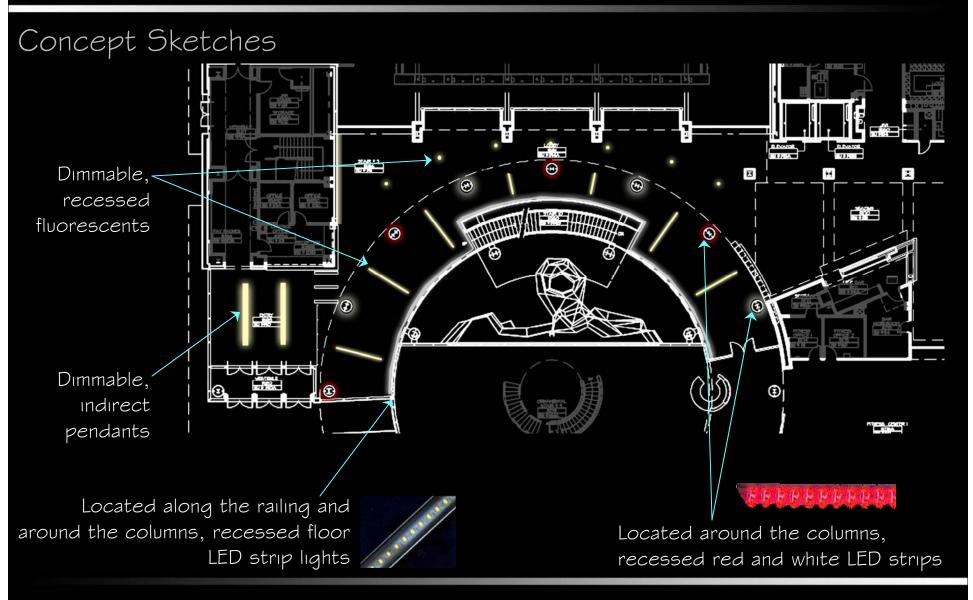
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Design Goals

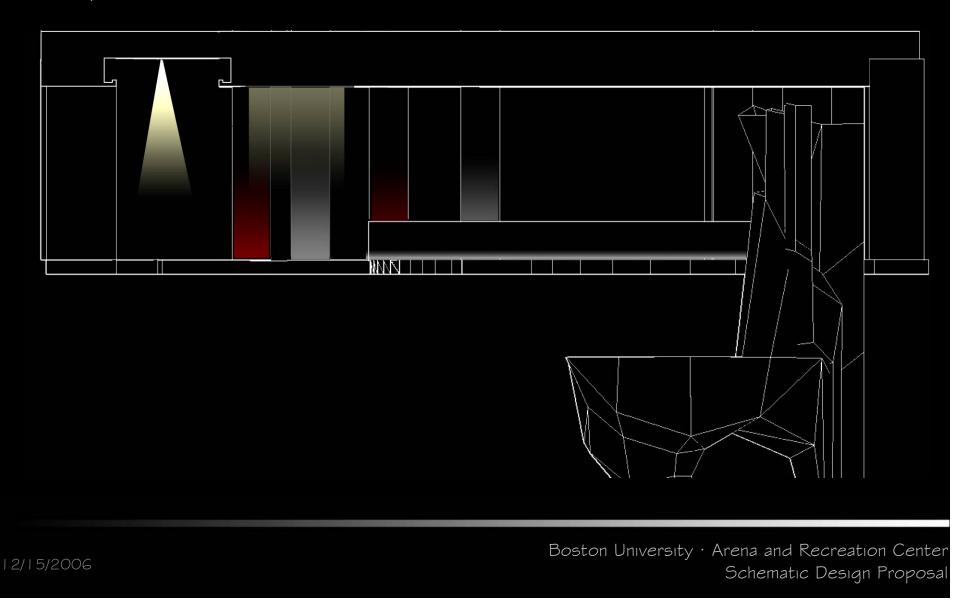
- Create an environment that represents energy and pride within the campus setting through the use of light in motion and Boston University school colors
- Use contrast (high luminance uniformity ratio) to guide people through the space
- Highlight space characteristics:
 - Curved architecture
 - Area around competition pool viewing windows
 - Central rock wall
 - Large columns

Design Concepts



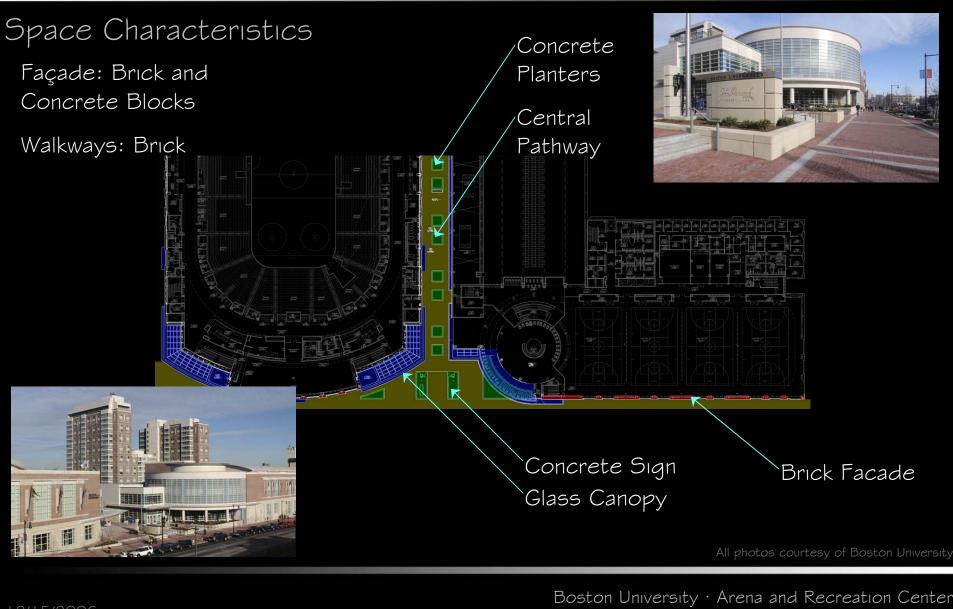


Concept Sketches





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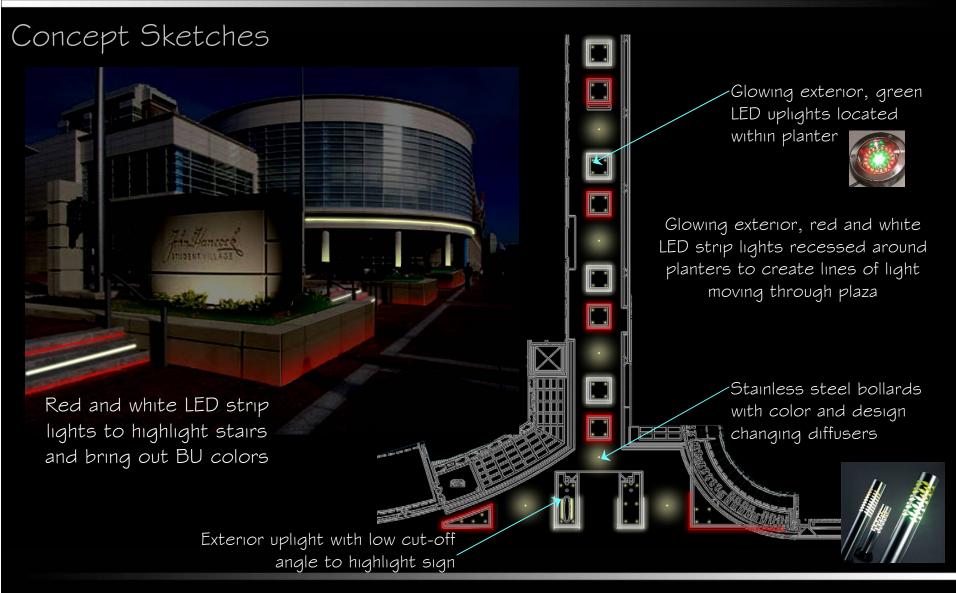
Schematic Design Proposal

Design Goals

- Create a safe and welcoming environment, while complying with Boston University exterior lighting standards
- Avoid direct glare
- Use dark sky compliant fixtures to minimize light pollution
- Emphasize brick façade with warmer color temperatures
- Use lines of light to guide people through the central pathway
- Highlight space characteristics:
 - Entrances
 - Circular rotunda
 - Concrete planters boxes

Design Concepts





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Space Characteristics

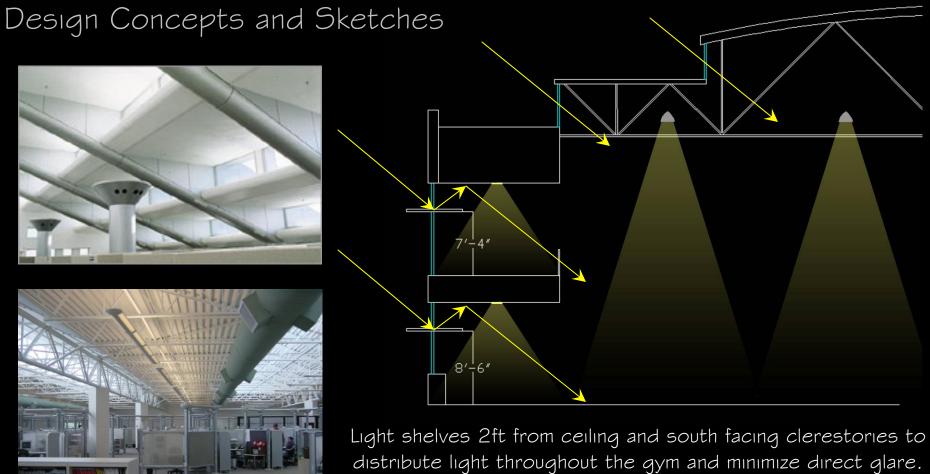
Walls and ceiling: matte off-white

Floors: glossy wood

Elevated track Large floor-ceiling windows

Design Goals

- Provide adequate light levels for sporting events
- Evenly illuminate track and gym floor
- Avoid direct and reflected glare
- Integrate daylighting and daylighting control into system
 - Use dimmable fixtures controlled by photosensors
- Provide an energy efficient lighting system



distribute light throughout the gym and minimize direct glare. Fixtures are dimmable-high bay compact fluorescent controlled by photosensors.

Questions and Comments

are Welcome



Thank you! Have a great day!