



Figure 1 | Ingalls Rink Nighttime View



Figure 2 | Ingalls Rink Aerial View

Project Info

Name:	David S. Ingalls Rink
Location:	73 Sachem St, New Haven, CT
Site Area:	1.48 ac
Building Footprint:	47,983 gsf
Total area:	61,646 gsf
Total Levels:	2
Date Constructed:	1953 - 1959 (Renovation 2008-2010)
Construction Type:	IB Noncombustible
Occupancy types:	Assembly A-4. The constructed building contains ground floor Rink, Concourse, lower level Locker Rooms, Fitness Center, Schley Club Room and other utility rooms.
Client:	Yale University
Architect:	Kevin Roche John Dinkeloo and Associates
Landscape Architect:	Towers Golde
Lighting :	Atelier Ten Consulting Designers
Structure:	Severud Associates Consulting Engineers, P.C.
Mechanical :	AltieriSeborWieber LLC
Construction:	Turner Construction Company
Civil:	Tighe & Bond
Acoustics, A/V:	Cavanaugh Tocci Associates, Incorporated

David S. Ingalls Rink

73 Sachem Street, New Haven, CT 06510

Amy Huan

Lighting/Electrical

Architecture

The exterior of David S. Ingalls Rink establishes its visual identity – “the Yale Whale” with the dramatic sweeping roof. The side walls are the same shape in plan as the arch is in section, acting as a counter part of the arch. The exterior walls are also sloped to increase the structural integrity, in the meantime enhance the visual expression of the arch.

Lighting/Electrical

- Building System Voltage:**
408 V, 3 Phase, 3 Wire Primary;
208Y/120V, 3 Phase, 4 Wire Secondary
- Electrical System Capacity:** 1600 Amp Bus/
100,000 A.I.C
- Automatic Transfer Switch compatible with existing emergency power system
- Control:** 3 - Channel Astronomic Timeclock
3-way wallbox dimmers
Ceiling mounted occupancy sensor
Wall mounted occupancy sensors

Structural

- Wall:** Reinforced C.M.U bearing exterior wall
- Roof:** Oak wood roof held by zinc coated bridge strand cables
- Foundation:** Slab on grade. Caisson-pile supported foundation.

Mechanical

The building has a VAV system with hot water coil and supplemental unit heaters.