

Project Teams

Occupant	Yale University
Architect	Kieran Timberlake Associates LLP
Structural	CVM Engineers
C/M/E Engineer	BVH Integrated Services
Lighting	Arup Lighting
Landscape	Andropogon Associates
Parking	Tim Haahs and Associates, Inc.
Code	Bruce Spiewak
Environmental	Atelier Ten
Signage	Strong Cohen
Elevator	Van Duesen and Associates

Building Statistics

Occupant Type	Education/Parking/Gallery
Size (SF)	155,828 SF
Construction Schedule	March 2006 - June 2007
Cost	\$36 Million USD
Delivery Method	Design-Bid Fast Tracked

The Yale Sculpture Building consists of three connecting buildings. The Main Sculpture Building is a four story, 55,000 sq. ft. building for the Sculpture Department of the Yale School of Art. The second building is a double-height single floor gallery for exhibition of student work. The last structure is a five level parking garage. The garage has up to 288 parking spaces and contains a 9,000 sq.ft. area for retail and office space.

Sculpture Building

100ft 4 floors, Basement
Steel frame, double-skin, naturally ventilated curtain wall system

Parking Garage

88ft 5 levels
Vine Planter System

Photo Courtesy of Kieran Timberlake Associates LLP



YALE SCULPTURE BUILDING AND PARKING GARAGE

New Haven, Connecticut

Gallery Building

64ft Double-Height
Stone Clad, Steel Frame

Structural System

Sculpture Building and Gallery

- Steel Frame and Concrete Slab
- 10" Shear Wall / 8" CMU Shaft
- 12" Foundation Walls with Footings every 20'

Parking Garage

- Post-Tension construction
- 18.5 k/ft Uniform Post Tension force
- 12"-18" Reinforced concrete foundation walls

HVAC

- Radiant Heating System
- Displacement Air Ventilation System
- Recycled Water System with Zentex Ozone disinfection

Lighting | Electrical System

- Fluorescent Lighting Used Throughout Buildings
- 1200A 408Y/277V 3 phase Main Switchboard
- 200KW Emergency Generator
- 31 208Y/120 Panelboards
- 9 480Y/277 Panelboards
- Individual Metered Retail spaces
- 13 Step-down Transformers
- 125 HP 3P 480V Fire pump

Other Systems

- Green Roof System
- Active Curtain Wall System
- Solar Hot Water System

KHA N. DANG

ARCHITECTURAL ENGINEERING - LIGHTING | ELECTRICAL

<http://www.arche.psu.edu/thesis/eportfolio/2007/portfolios/KND107>