



student • resource • building

the players

Owner: University of California Santa Barbara

Architecture, Interiors and Landscape Architecture: Sasaki Associates, INC.

Lighting Consultants: Horton Lees Brogden Lighting Design

Structural + MEP Engineering: ARUP

Civil Engineering: Penfield & Smith

General Contractor: RQ Construction, INC.

architecture

Serves as a West campus gateway

Triple height central forum

Elliptical-shaped double height multi-purpose room

Façade predominately highly transparent glass and metal curtain wall system. Southern façade utilizes light-weight masonry rain-screen cladding.

lighting

Building predominately uses 277V fluorescent or compact fluorescent fixtures. Better energy efficiency achieved by restricting use of tungsten halogen and metal halide fixtures.

Triple height central forum space naturally day lit by clerestories above.

Dimming system regulated by roof-top photocells.

the statistics

Size: 68,413 SF

Levels: 3

Construction Dates: Spring 2005 - November 2006

Delivery Method: Design-Bid-Build

mechanical

12,260 CFM of outdoor air collectively supplied by 6 roof-top AHUs.

Operable clerestory windows in the central forum provide natural ventilation to most of the building.

structural

Predominately reinforced concrete construction.

5" reinforced slab on grade and spread footings constitutes primary components of shallow foundation system.

Attached Child Care Center employs structural steel framing with seismic connections.

Roofing is predominately built-up bituminous and manufactured roofing material. Exposed cross-bracing system supports raised roof system above central forum area.

electrical

12.5kV distributed by 408/277V and 208/120V system.

Most interior loads provided for by stepped down 208/120V transformers.

On-site 250 kW 408/277V diesel emergency generator.

Clement Fung
Lighting/Electrical Option