

MERIT
AWARD

SUSTAINABLE DESIGN



NATOMAS PUBLIC LIBRARY

SACRAMENTO, CALIFORNIA

ARCHITECT:

Nacht & Lewis Architects

600 Q Street, Suite 100
Sacramento, CA 95811

Brian J. Maytum, AIA, LEED® AP
Principal

STRUCTURAL ENGINEER:

Buehler & Buehler Structural Engineers, Inc.

GENERAL CONTRACTOR:

McCarthy Construction

BLOCK PRODUCER:

Basalite Concrete Products, LLC

OWNER:

City of Sacramento, Sacramento Public Library

Sustainable Jury Comments: Daylight provides the form for this library. Large clerestory windows face south and north in the reading room and circulation areas. The south facing glazing is sloped to increase the incident angle from the sun, reducing solar gains. The project also incorporates other ecological features such as efficient irrigation, low-flow plumbing fixtures, efficient lighting and advanced controls.

Architect's Commentary: Obtaining LEED Gold certification by the USGBC, the library incorporates many high performance features. Site size was limited and includes shared parking with access to public transportation including future light-rail. Water use is reduced with efficient irrigation, low-flow plumbing fixtures and a high efficiency, chemical-free cooling tower. Energy is reduced with high efficiency lighting and mechanical systems with advanced controls and building system management. Regional and recycled materials were used and extensive recycling

of construction debris was recognized. Key however to the sustainable features is the abundant use of controlled natural daylight and views. Lowering energy usage and contributing to increased user performance, natural daylight is accommodated through clerestory windows resulting from the uplifted "open-book" roof design

Exposed concrete masonry was used extensively for its beauty, durability and sustainable nature. Serving as both a structural material and finish product, the concrete masonry saved money and contributes to the low-maintenance nature of the facility, particularly when exposed to the abuse of young high school students. The unique "mint chip" green and a "snow white" block were used in both split-face and precision ground face finishes. The combination of colors and textures amplified by the dramatic interior finish and furnishing colors, contributes to the playfulness of this community asset. The concrete masonry products used were manufactured within 25 miles of the project site using regionally produced materials and contributing to the projects sustainability.



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