

# UNDERFLOOR SERVICE DISTRIBUTION

by Tate Access Floors

Santa Monica Public Library  
Santa Monica, CA

## HIGHER EDUCATION PROJECT

104,000 gross sq. ft.  
60,000 sq. ft. access floor

### PRODUCTS USED:

Concore 1250  
Underfloor wire  
Underfloor air  
Modular carpet tile



## Subject

### SANTA MONICA PUBLIC LIBRARY

**"Build it Green!"** When the City of Santa Monica decided to construct a new Santa Monica Public Library, its main objective was to follow the US Green Building Council's Green & Sustainable guidelines, aiming to pursue a Leadership in Energy and Environmental Design (LEED™) silver certification. The LEED Green Building Rating System® has been adopted by the City as the basis of design for all of its new construction, and this library was no different. The 104,000 square foot building is the City's second major facility designed and built with the intent of significantly reducing the building's negative impact on the environment. When Tate Access Floors was approached as a supplier, it was obvious that raised flooring and underfloor service distribution would go a long way in helping the City of Santa Monica achieve its green and sustainable goal.

A "green" building places high priority on health, environment, and resource conservation over the life of the building and Tate provides the expertise to utilize its underfloor service distribution as a key ingredient to a building's green design. As a green building, the new Santa Monica Library offers many benefits while providing an inviting, friendly and comfortable place for library users of all ages. One of these benefits is an underfloor air system. The "raised" floor, consisting of 2'x2' floor panels manufactured using recycled content, houses an air distribution system that mixes fresh air into the mechanical system, providing better indoor air quality, more efficient ventilation and energy savings over time. In addition, the design team for the Santa Monica Library chose to place all wiring under the raised floor, giving greater access and flexibility in floor plan design as needs arise in the future. Through the use of Tate's raised flooring and underfloor service distribution, the Santa Monica Public Library was able to influence three key categories of the LEED® rating system: indoor environmental quality, materials and resources, and energy and atmosphere. As a member of USGBC and a proponent of "green" building, Tate Access Floors was pleased to be able to contribute to this most impressive project.



**TATE AUTHORIZED DEALER**  
Pugliese Interior Systems, Inc.  
Rancho Santa Margarita, CA

**ARCHITECTURAL FIRM**  
Moore, Ruble, Yudell  
Santa Monica, CA

**GENERAL CONTRACTOR**  
Morley Construction  
Santa Monica, CA

**ENGINEERING FIRM**  
Syska & Hennessy  
Santa Monica, CA