

UNDERFLOOR SERVICE DISTRIBUTION

by Tate Access Floors

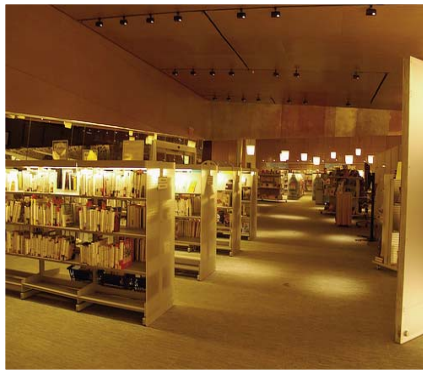
Arabian Public Library
Scottsdale, AZ

LIBRARY PROJECT

20,000 gross sq ft
9,500 sq ft access floor

PRODUCTS USED:

CCN1250
Underfloor Air System
Underfloor Power & Cable
18" Finished Floor Height



Subject

ARABIAN PUBLIC LIBRARY

The original Arabian Library was a 8,400 square-foot facility housed inside the Desert Canyon Middle School. While it was open to the public, it was also the only library for students at both Desert Canyon elementary and middle schools. Bursting at the seams and in dire need of more space, the \$4.6 million Arabian Library, which is currently undergoing LEED certification, aims to bridge a building and its surroundings, while maintaining a green and sustainable philosophy in its architecture.

Inspired by the beautiful canyons of Arizona, full length windows draw in light from the interior courtyard and views of the surrounding mountains. An ideal atmosphere, the 20,000 square-feet of space houses a collection of 120,000 volumes, which is double the former 60,000. The number of public access computers has more than doubled to 41 stations, with rooms set aside for children's programming, public meetings and study groups. Underfloor wire and cable makes it possible to relocate these workstations without disrupting the environment while also providing for future growth. Aside from building a library that the community could truly utilize and enjoy, creating a sustainable environment was just as important and because the building was designed, from the start, for maximum energy-efficiency and environmental sensitivity, additional costs were minimal. Shooting for LEED Gold rating, the standard Tate floor system used in commercial offices contains 42.8% recycled material consisting of 13.7% post-consumer and 29% pre-consumer content. Also, a number of things that go into LEED make the library a better place for customers.. Air quality is such a consideration. The building utilizes low VOC paints, and an underfloor HVAC system, contained in the 18-inch raised floors, circulates air, lowering the temperature of the outdoor courtyard and making it bearable even in the Arizona sun. With its underfloor air, wire and cable, recycled materials, daylighting initiatives and many more sustainable efforts, the Arabian Public Library is a testament to the world's current commitment to the environment.

TATE AUTHORIZED DEALER

Co-Struct
Tempe, AZ

ARCHITECTURAL FIRM

Richärd+ Bauer
Phoenix, AZ

GENERAL CONTRACTOR

Redden Construction, Inc.
Phoenix, AZ

MECHANICAL ENGINEERING FIRM

Kunka Engineering Inc.
Phoenix, AZ

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