

UNDERFLOOR SERVICE DISTRIBUTION

by Tate Access Floors

Digital Realty Trust
1500 Space Park
Santa Clara, CA

DATA CENTER PROJECT

168,000 gross sq ft
33,000 sq ft access floors

PRODUCTS USED:

ConCore 1250
Underfloor HVAC
Modular Wire & Cable
30" raised floor



Subject

DIGITAL REALTY TRUST - 1500 SPACE PARK

Datacenter operators are feeling the heat to reduce the energy costs and environmental impacts of their facilities. Digital Realty Trust, Inc., a company which is focused on providing Turn-Key Datacenter[®] and Powered Base Building[®] datacenter solutions for domestic and international tenants, inherently shares in that mission. Strategically located on major fiber routes and between two sub-stations of the cost effective power grids of Santa Clara, 1500 Space Park is a purpose-built datacenter and telecommunications facility. This state-of-the-art facility boasts a robust power infrastructure and above-standard seismic design elements. The building possesses many pre-installed features to allow tenants to quickly and economically install their required equipment. As a result, this Digital Realty Trust data center has become the first building in the city of Santa Clara to earn a LEED-gold certification, specifically for Commercial Interiors. LEED for Commercial Interiors is the green benchmark for the tenant improvement market. It is the recognized system for certifying high-performance green interiors that are healthy, productive places to work; are less costly to operate and maintain; and have a reduced environmental footprint.

While all green real estate is good, a green datacenter gets special attention due to its deep impact on energy savings over conventional buildings. Dave Ohara, who writes for Microsoft's TechNet magazine, reports that "datacenters consume nearly forty times more energy than conventional office buildings". The most energy efficient way to cool your data center is to use a raised floor by supplying cool air from the floor and utilizing the natural convective forces of warm exhaust air coupled with the proper integration strategies, creating a high performance data center with maximum investor and tenant value. Coupled with Tate's underfloor wire and cable system, the datacenter at 1500 Space Park will provide all current and future needs for the tenants of this property.



The 30 inch raised floor at 1500 Space Park houses the underfloor HVAC, cables and sprinkler system.

TATE AUTHORIZED DEALER

PSI
Hayward, CA

ARCHITECTURAL FIRM

DGA
San Jose, CA

GENERAL CONTRACTOR

DPR Construction
San Jose, CA

MECHANICAL ENGINEER

Therma Mechanical
San Jose, CA