

Project Portfolio



Tate[®]

Access Floors

Union Pacific Headquarters

Omaha, NE

Union Pacific Corporation is one of America's leading transportation companies. While planning for their new \$260 million corporate headquarters building in Omaha, Nebraska, the focus was on a healthy, comfortable environment for its 4,000+ employees. The end result is a beautiful 20-story, 1.3 million ft², glass exterior structure complete with design innovations that come together to make this happen.



One of these progressive, efficiency-driven design innovations is Tate's access floors with underfloor service distribution. Using an underfloor VAV system for cooling with 'swirl' diffusers, installed every ten feet, employees have the ability to adjust the ventilation manually to meet their individual comfort levels. The underfloor electrical and data systems enable workstations to be easily reconfigured as necessary. Such innovations support Union Pacific's culture of promoting healthy lifestyles for its employees and Tate Access Floors is pleased to have been a part of this prestigious project.

Photographs courtesy of Michele Litvin



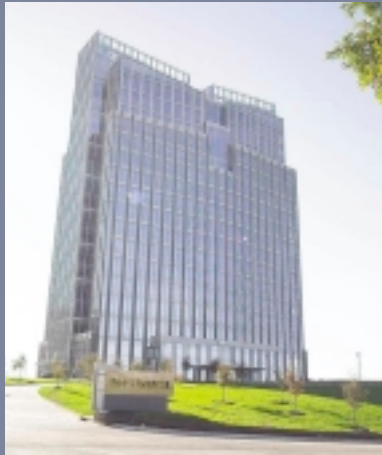
“ Both Hines’ operating experience at similar facilities and other relevant studies have shown that underfloor air systems can lead to increased employee performance and a reduction in absenteeism. When the comfort of the underfloor air is considered along with other building features, we believe the character of Union Pacific’s new workplace to be among the world’s finest and most cost-effective. ”

Bill Hartman, Design Principal, Gensler.

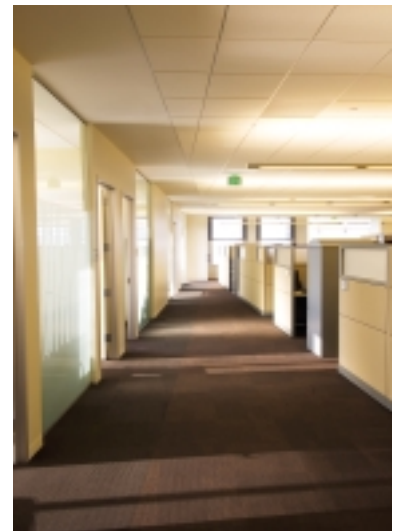
Project	Union Pacific Headquarters
Location	Omaha, NE
Floor Area	1.3 million gross ft ² 880,000 ft ² Access Floor
Product(s)	ConCore® 1000 PVD Modular Wiring and Underfloor Air System HPL and Modular Carpet
Architect	Gensler Dallas, TX
Authorized Dealer	Data Power Technology Corp. Omaha, NE
General Contractor	Holder Construction Atlanta, GA
Engineering Firm	Alvine & Associates Omaha, NE

Pier 1 Imports

Fort Worth, TX



Project	Pier 1 Imports
Location	Fort Worth, TX
Floor Area	460,000 gross ft ² 20 Stories
Product(s)	ConCore® 1000 PVD Modular Wiring and Underfloor Air System HPL and Modular Carpet
Architect	Duda Paine Architects, LLP Durham, NC
Authorized Dealer	Evans Interiors Dallas, TX
General Contractor	Manhattan/Byrne joint venture Dallas, TX
Engineering Firm	James Johnson & Associates Dallas, TX





Photographs courtesy of Pier 1 Imports



When Pier 1, the nation's largest retailer of imported home furnishings, needed a new home of its own, the company thought globally and shopped locally. The result is Fort Worth's first downtown high-rise in nearly a quarter of a century. Because leases on the three locations in Fort Worth that previously housed the company's central office operations were nearing expiration, Pier 1 needed occupancy in a shorter-than-usual timeframe. With a company of this size, flexibility is always an issue. As the headquarters, this facility houses a wide range of offices as well as a large data center requiring flooring strength while allowing changes to happen fast and efficiently.

Tate Access Floors provided raised flooring to meet Pier 1's requirements for speed of change and flexibility. As changes occur in the workplace, electricity and technology outlets can be dropped beneath the floor panels for quick set-up and reconnection. A 7,000 ft² data room providing all computer technology infrastructure of Pier 1 stores worldwide is located on the eighth floor. With Tate's concrete-filled steel panels, moving in equipment weighing several thousand pounds was a fast and efficient operation. Tate's Building Technology Platform[®] provided the speed, flexibility and strength necessary for Pier 1 to become a world-class facility.

Visteon Village

Van Buren Township, MI



Visteon Corporation is a leading full-service supplier that delivers consumer-driven technology solutions to automotive manufacturers worldwide and through multiple channels within the global automotive aftermarket. Its new, 800,000 ft² corporate office and innovation center in Van Buren Township, Michigan consolidates employees from 13 Southeast Michigan facilities. From the beginning, Visteon decided to use the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED™) guidelines for the development of Visteon Village, emphasizing high quality solutions for sustainable site development, energy efficiency, water savings, materials selection and indoor environmental quality.

As a member of the U.S. Green Building Council, Tate Access Floors has long been a proponent of environmentally sound building practices and supported Visteon's vision of creating a healthy environment for their employees. The buildings of Visteon Village feature up to 75% recycled material content by weight. With Tate's raised floor system of recycled content and low emitting materials, as well as the utilization of hydrochlorofluorocarbon (HCFC)-free air handling units, Visteon has an underfloor air distribution system that allows for individual user control of temperature and airflow rate throughout the office space. Tate's commitment to sustainable design was an integral part of 'greening' Visteon Village!



LEED® Certified Project



“ When we set out to design Visteon Village, one of the keys for us was to create a ‘smart’ office site, both in terms of cost efficiency and in the way that we work. ”

Stacy Fox, Visteon Senior Vice President, corporate transactions and legal affairs.

Project	Visteon Village
Location	Van Buren Township, MI
Floor Area	1 million gross ft ²
Product(s)	ConCore® Raised Access Floor PVD Modular Wiring and Underfloor Air System HPL and Modular Carpet
Architect	SmithGroup Detroit, MI
Authorized Dealer	Lakeside Interior Contractors Maumee, OH
General Contractor	Walbridge Aldinger Co. Detroit, MI
Engineering Firm	SmithGroup Detroit, MI

Arundel Mills Corporate Park

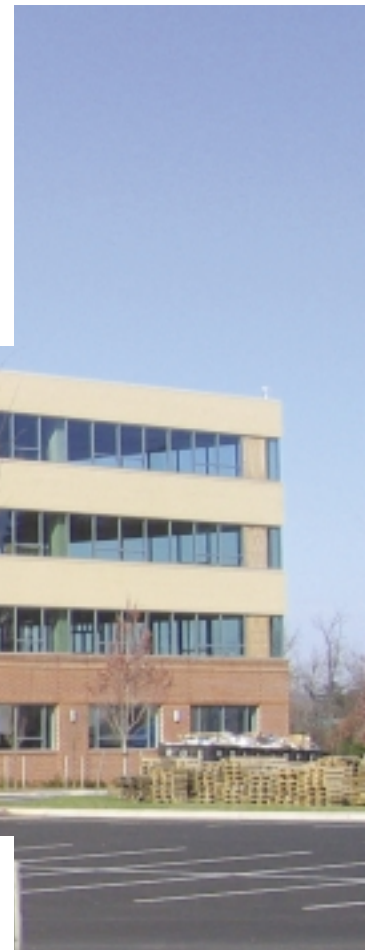
Hanover, MD



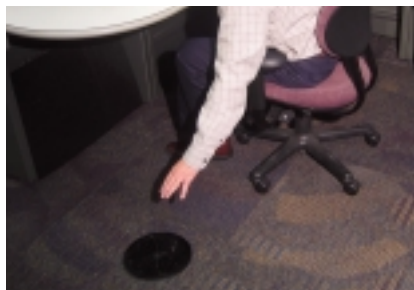
Project	Arundel Mills Corporate Park
Location	Hanover, MD
Floor Area	150,000 gross ft ² 110,000 ft ² Access Floor
Product(s)	ConCore® 1000 Underfloor Air System
Developer	AMCP2 Baltimore, MD
Architect	RTKL Associates Baltimore, MD
Authorized Dealer	Irvine Access Floors, Inc. Laurel, MD
General Contractor	Hostetter Construction Corp. Hanover, PA
Engineering Firm	RTKL Associates Baltimore, MD



Developer Linden Associates, Inc. closed in December 2004 on the sale of 20.2 acres of land directly across from the 1.3 million ft² Arundel Mills in Hanover, Maryland. The site, known as the Arundel Mills Corporate Park, is a 500,000 ft² mixed-use project that will include two five-story office buildings with ground floor retail, as well as a hotel and daycare center. Linden Associates' vision of creating two 150,000 ft² environment-friendly office buildings was based upon green standards developed by the U.S. Green Building Council's Leadership in Energy and Environmental Design Program (LEED™) and included several key goals: efficient use of recycled building materials, increased daylighting, energy efficiency, a healthy environment for employees, and higher productivity.



Tate Access Floors' underfloor service distribution contributes to three of the five LEED™ categories which greatly supports Linden Associates' objective of a green building. By supplying 110,000 ft² of raised flooring with an underfloor air system, Arundel Mills Corporate Park's first building will feature an energy-efficient environment with cleaner air and more natural lighting. In buildings with these advantages, worker productivity has been proven to increase as much as 15%, according to case studies done by the Rocky Mountain Institute and the U.S. Department of Energy. The recycled material used in the production of Tate floor panels only adds to the 'green' effect! By integrating Tate's underfloor service distribution system in their building design, the Arundel Mills Corporate Park is well on its way to becoming a green and sustainable LEED™ certified building!



“ The benefits of a green building are greater than the rent the tenant pays. You're talking about something that has huge economic benefits to the companies that occupy the space. ”

Christopher Kurz, President of Linden Associates.

Chevy Chase Center

Bethesda, MD

When the Chevy Chase Bank decided to build its new headquarters on the last available site at the highest profile intersection of Bethesda, Maryland, they had a specific vision for their new building. One of the major design goals included having a flexible open floor plan. Foreseeing an environment that would need to change as the business changed, an open floor plan with modular offices seemed to be the best design for this project. Sensitive to continuing needs for technological capacity, the new Bank building exceeds today's heating, cooling, and electrical requirements, making it a true high-tech building, poised for future growth.

Tate Access Floors was proud to be able to assist the Chevy Chase Bank in achieving its primary goal of a flexible open floor plan. Because the wires and cabling are laid on the slab beneath an accessible floor instead of in rigid structures such as walls or columns, moving a workstation can happen in a matter of minutes instead of days. Rearrange your furniture and equipment, move your access floor panels with your Power/Voice/Data boxes to their new locations, plug everything in and you're done! This flexibility enabled the Chevy Chase Bank to create an open environment that can be changed as needs arise.





Photographs courtesy of BBG-BBGM Architects



Project	Chevy Chase Center
Location	Bethesda, MD
Floor Area	750,000 gross ft ² 400,000 ft ² Access Floor
Product(s)	ConCore® 1000 PVD Modular Wiring Underfloor Air System
Architect	Brennan Beer Gorman Monk Washington, D.C.
Authorized Dealer	Irvine Access Floors, Inc. Laurel, MD
General Contractor	Clark Construction Bethesda, MD
Engineering Firm	VIKA McLean, VA

Foundry Square

San Francisco, CA



Project	Foundry Square
Location	San Francisco, CA
Floor Area	502,200 gross ft ² 385,000 ft ² access floor
Product(s)	ConCore® 1250 PVD Modular Wiring and Underfloor Air System HPL and Modular Carpet
Developer	Wilson Meany Sullivan/Equity Office
Architect	Studios Architecture San Francisco, CA
Authorized Dealer	Pugliese Interior Systems PSI
General Contractor	Webcor Builders San Mateo, CA
Engineering Firm	Flack & Kurtz San Francisco, CA



Photographs courtesy of Tim Griffith



This multi-block, mid-rise urban complex in downtown San Francisco is a landmark project for sustainable design in commercial office developments. Dominating the busy intersection of 1st and Howard Streets in San Francisco, this 1.5 million ft² complex sets a new standard for state-of-the-art office buildings. Incorporating office, retail, public plazas and underground parking areas in this massive undertaking, the project developer wanted efficient, high-quality, and environmentally-conscious building systems that would help attract and retain a sophisticated and reliable tenant base, as well as steer the project toward LEED™ accreditation. With this in mind, Foundry Square was the perfect project for Tate Access Floors.

“ The full underfloor HVAC system uses fresh filtered air, which is distributed under the office floor. This allows occupants to control the air temperature of their workspace. ”

*Fernando Quintero, Chong Partners Architecture,
Tenant at Foundry Square*

The building features floor-to-floor heights of 10', increased natural lighting and raised floor distribution systems where mechanical, electrical and data delivery systems are efficiently contained in the sub floor areas providing 'plug & play' flexibility and reducing energy as much as 15%. Offering a cost effective way to improve the building's market attractiveness and gain a competitive edge, Tate's underfloor service distribution is not only flexible and adaptable, but also improves indoor environment quality, provides personal comfort control, and reduces tenant initial fit-out and operating costs while at the same time increasing the buildings value.



LEED® Certified Project

Snead Building (Renovation)

Louisville, KY

Qk4, a large local architectural, engineering and construction firm in Louisville, Kentucky, outgrew their headquarters on Main Street in the year 2000. Searching for a new home, Qk4 became aware that the Snead Building, a 1910 reinforced concrete building on the National Historic Register, was being renovated and chose to join the project team in the Phase 1 renovation of the Louisville Glassworks development which anchors the west end of downtown Louisville. A major design consideration for this historic venture was the implementation of a raised floor system. This system would allow the project team to incorporate an underfloor service distribution of air, wire and cable, creating a flexible environment with cleaner indoor air quality.

Allowing minimal disruption of ceiling spaces and providing for future flexibility, Tate's underfloor service distribution system was the perfect fit for this project. Access floor creates a pressurized plenum used to evenly distribute conditioned air through the space providing a higher quality of indoor air. A separate plenum wraps each floor and washes the exterior wall with heated or cooled air as the outside temperature dictates. It also provides runways for all data, electrical and telephone cabling, giving the Snead Building flexibility for future change. By using Tate's underfloor service distribution system, the Snead Building was transformed from an industrial building into a thriving mixed-use facility ready for the future.





Project Snead Building Renovation

Location Louisville, KY

Floor Area 50,000 ft² Access Floor

Product(s) ConCore® 1250
Underfloor Wiring & Cabling
Underfloor Air System

Architect Qk4
Louisville, KY

Authorized Dealer Architectural Specialties
New Albany, IN

Construction Manager Qk4
Louisville, KY

Engineering Firm Qk4
Louisville, KY

Capital Area East End Block 225

Sacramento, CA



Project	Capital Area East End Block 225
Location	Sacramento, CA
Floor Area	280,000 gross ft ² 225,000 ft ² access floor
Product(s)	ConCore® 1000 Underfloor Wiring & Cabling Underfloor air system
Architect	Fentress Bradburn Denver, CO
Authorized Dealer	Partition Specialties West Sacramento, CA
General Contractor	Hensel Phelps San Jose, CA
Engineering Firm	Critchfield Mechanical Menlo Park, CA





Photographs courtesy of Erhard Pfeiffer and 3D/I

Green, Green, Green! The State of California has a new favorite color and Block 225 of the Capitol Area East End complex is a shining example. The Governor's Sustainable Building Task Force, a unique partnership of more than 40 government agencies, helped to design and construct these buildings, which are the 'greenest' ever built by the state. Specific goals of indoor environmental quality, flexibility, use of recycled material and energy reduction set the stage for this project to showcase a variety of sustainable features. Block 225 includes over a quarter of a million square feet of office space with a raised floor, underfloor wiring/cabling and underfloor air distribution (UFAD) system. This is the first state office building to utilize an underfloor air distribution system.

Tate Access Floors was proud to follow the State of California's lead in 'greening' the Capitol Area East End, Block 225 building. The underfloor air distribution system provides enhanced ventilation, supplying conditioned air in the immediate vicinity of the occupants. In this system, the entire subfloor is pressurized, allowing greater individual control of ventilation in the cubicle work environment, reducing future costs related to rerouting ventilation ducting as a result of reconfiguring office space, and energy savings. The wire and cable underfloor service distribution provides for easier access to information system cables and electrical supply, giving the flexibility desired and reducing the cost of making changes to these systems. Tate's use of recycled content in its cement-filled panels completed the package presented to GSA to help 'green' Block 225!



LEED® Certified Project

E. Barrett Prettyman Courthouse

Washington D.C.

In the early 1990's, the Administrative Office of the U.S. Courts determined that the Judiciary's housing was approaching a state of crisis; nearly one in every three courthouses would be out of space within a decade. To meet this critical demand for space, the General Services Administration (GSA) would need to undertake the largest courthouse construction program in more than fifty years. The E. Barrett Prettyman Courthouse, one of the most important trial courts in the nation, was targeted for renovation and expansion. To meet the Courts 30-year needs, the design included 9 new courtrooms and 15 chambersets. Not only was an annex added to the courthouse, but the courthouse itself was renovated to provide more space, updated architecture, and improve the efficiency and flexibility of the workplace. An important issue in the design of the E. Barrett Prettyman Courthouse, and GSA-owned structures in general, has been the utilization of an access floor system for the horizontal distribution of power, data, telecommunication, and other low-voltage system cabling. GSA needed this underfloor service flexibility to create a courthouse that would serve the needs of its occupants for the life of the building.

When the renovation and expansion of the E. Barrett Prettyman Courthouse was announced, Tate Access Floors was chosen to provide the raised flooring and underfloor service distribution system. With GSA's commitment to access flooring in new courthouses, as well as highly recommending access flooring for large modernization projects as noted in their 2003 Facilities Standards, Tate was able to address the needs of this project: maintaining high-quality clean air, improving personal comfort control, attenuating noise, responding to organizational and technology changes quickly and easily, and supporting the overall aesthetic value of the facility - all while being cost-effective during building and operation. Raised flooring and underfloor service distribution by Tate has provided a flexible system that will meet GSA's needs for years to come.



Photograph © Maxwell MacKenzie



Project	E. Barrett Prettyman Courthouse Renovation & Expansion
Location	Washington D.C.
Floor Area	120,000 ft ² Access Floor
Product(s)	ConCore® 1000 Underfloor Wiring & Cabling Modular Carpet
Architect	Michael Graves Associates Princeton, NJ
Authorized Dealer	Irvine Access Floors, Inc. Laurel, MD
General Contractor	Centex Construction Fairfax, VA
Engineering Firm	Jacobs Engineering Group Arlington, VA

U.S. Patent & Trademark Office

Alexandria, VA



Project	U.S. Patent & Trademark Office
Location	Alexandria, VA
Floor Area	174,000 ft ²
Product(s)	ConCore® 1000 - Office ConCore® 1250 - Data Center Underfloor Wiring & Cabling
Architect	Gensler Alexandria, VA
Authorized Dealer	Irvine Access Floors, Inc. Laurel, MD
General Contractor	Turner Construction Alexandria, VA
Engineering Firm	Syska Hennessy Washington, DC





For more than 30 years, the United States Patent & Trademark Office had been issuing patents and trademarks at its facility in Crystal City, Virginia.

As years went by, the USPTO leased extra office space as the need arose, resulting in a sprawling complex of 18 separate buildings. Consequently, the USPTO staff was unable to operate efficiently and the need for consolidation was clear.

This consolidation of all entities has produced a 2.4 million ft² 5-building office complex on 15 acres in Alexandria, Virginia, requiring a well-coordinated effort of a variety of disciplines. However, a state-of-the-art facility necessitated state-of-the-art design that would satisfy future flexibility needs as well as immediate requirements. With this in mind,

GSA saw that adaptation to change and cost savings were integral to the success of the project and adhered to their commitment of using access flooring and underfloor service distribution.

Tate Access Floors knew that an underfloor wire and cable system would give the USPTO building the flexibility it needs to survive future growth, as well as the ability to adapt to new technologies. However, Tate understands that even the most advanced technology needs to offer long-term value if it is to provide a positive return on your investment. That is why Tate Access Flooring for government facilities has been designed to control costs through durability and long-term service, adaptability to future expansion and change, along with easy, low-cost maintenance requirements. Additional cost savings are also realized through easy installation as well as lower operating and system requirement costs for power and communication. Tate is proud to have supplied this flexible and efficient system for the US Patent & Trademark Office headquarters, a building that promises to be a landmark design for government construction projects.

Harvard School of Public Health

Boston, MA

Harvard School of Public Health (HSPH) was founded in 1922 to advance public health through learning, discovery and communication. Through research and training programs, HSPH recognized the need for an environmentally economic and efficient workspace when designing new administrative offices in the historic Landmark Center in downtown Boston; however, they were faced with the challenge of transforming a warehouse into office space. Studies had proven that a 'green' approach results in a more comfortable, healthier and productive workforce while providing a high performance facility able to accommodate future technology. These goals were adopted by the project team and became prime factors in planning the new HSPH facility.

“ We didn't want a Sick Building. We wanted to create an example of a future-proof, sustainable, valuable shared space. ”

John D. Spengler, PhD, Department of Environmental Health, Harvard School of Public Health.

To assist HSPH in meeting their goals, Tate's underfloor service distribution system was selected. Tate's system provides an efficient, effective method to build high-performance, flexible office space by integrating raised floors with modular air distribution and wiring services. The underfloor air distribution system provides a healthy, productive environment proven to increase indoor air quality, create a more comfortable environment through individually-controlled air diffusers, and contribute to increased productivity. The use of modular wiring gives the HSPH the ability to reduce the cost of workspace reconfiguration and maintain a facility that will meet changing requirements. And speaking of cost? It was assumed that the long-term payoffs of the Green Building approach would far outweigh the initial higher costs of implementation; however, as it turned out, total project cost with an underfloor air distribution system was less than conventional overhead systems! Tate is pleased to have been part of this prestigious project and assist HSPH in meeting their laudable goals.





Project	Harvard School of Public Health Renovation
Location	Boston, MA
Floor Area	40,000 ft ²
Product(s)	ConCore® 1250 Underfloor Air System PVD Modular Wiring System
Architect	Janovsky/Hurley Architects, Inc. Lexington, MA
Authorized	Office Environments of New England
Dealer	Boston, MA
General Contractor	Bond Bros., Inc. Everett, MA
Engineering Firm	Shooshanian Engineering, Inc. Boston, MA

FedEx Emerging Technology Complex

Memphis, TN



Project	FedEx Emerging Technology Complex
Location	Memphis, TN
Floor Area	95,000 gross ft ² 60,000 ft ² access flooring
Product(s)	CCN 1250 PVD Modular Wiring and Underfloor Air System
Architect	Hnekak BoBo Group Memphis, TN
Authorized Dealer	Acoustics & Specialties, Inc. Memphis, TN
General Contractor	Holder Construction Memphis, TN
Engineering Firm	Cosentini Associates Memphis, TN





Some are calling it the research epicenter of the Mid-South United States. Already established in the area of technology, the University of Memphis is ready to move to the next level with the FedEx Institute of Technology. A state-of-the-art building design was necessary to house an education endeavor that teaches the newest technologies using the most advanced learning techniques. This building design needed to provide an environment that facilitates the development of products and skills in the information technology area while offering the flexibility to adapt to new technologies and educational needs at Internet speed.

Needing to maintain open access to its infrastructure, architects turned to Tate for an access flooring system ready to meet the most demanding technology changes imaginable. The use of Tate ConCore® 1250 Access Floor Panels, Tate PosiLock® Understructure, and modular wiring and cabling capabilities offer the FedEx Institute of Technology the ability to create phone and email clusters, video conferencing suites, collaboration chambers, as well as internet cafés, instruction spaces and laboratories. With limitless reconfiguration capabilities and open technology architecture, the ever-changing Institute has the flexibility it needs to remain on the emerging edge of business.

Salt Lake City Public Library

Salt Lake City, UT

This is not a typical library. The wedge-shaped, six-level facility is architecturally astounding with its southern glass façade exposing light-filled reading areas to views of the Wasatch Mountains. The new Main Library in Salt Lake City embodies the idea that a library is more than books and computers - it serves as a community meeting place. In the planning stages, architects contemplated using a large amount of glass for the library to create a feeling of continuity. But widespread glass is not especially energy efficient. In addition, the architects' use of skylights, exposed concrete, and steel frames posed a challenge for placement of the heating and cooling distribution system, and for data and power cabling. Not wanting to abandon their dream, the search was on for a system that would accommodate their design.

“ This design is more efficient because it lets air filter up. We don't need to use as much air pressure to push it down to the occupant's level from the ceiling. ”

Jarrod Curtis, Engineering Manager, Utah Controls.

Architect Moshe Safdie suggested an underfloor air distribution system, not only to retain a clean visual appeal but also to solve the energy cost issues. The building team selected products manufactured by Tate Access Floors. Access floor panels, mounted on pedestals that connect to the structural floor, leave space for air handlers and other equipment, delivering air through in-floor diffusers. These systems use air that is closer, in temperature, to air that is conditioned for circulating thus reducing the amount of power used to bring the air to a comfortable indoor temperature. In addition, the design is more efficient since it lets air filter up naturally instead of needing air pressure to push it down from the ceiling as in conventional HVAC systems. Tate's underfloor service distribution not only allowed the design to continue aesthetically but also provided an energy efficient solution. Ultimately, a synthesis between beautiful design and smart mechanics has given Salt Lake City a distinguished library that is celebrated by the public.



Winner of the 2004 Honor Award by the American Institute of Architects (AIA).



Project	Salt Lake City Public Library
Location	Salt Lake City, UT
Floor Area	200,000 gross ft ² 150,000 ft ² access floor
Product(s)	CCN 1250 Underfloor Air System HPL and Modular Carpet
Architect	Moshe Safdie & Associates Somerville, MA
Authorized Dealer	Technical Building Systems Salt Lake City, UT
General Contractor	Big-D Construction Salt Lake City, UT
Engineering Firm	Colvin Engineering Salt Lake City, UT

Tulalip Casino

Marysville, WA



Project	Tulalip Casino
Location	Marysville, WA
Floor Area	227,000 gross ft ² 195,000 ft ² access floor
Product(s)	ConCore® 2000 (Casino) ConCore® 1250 (Office) Underfloor Air System HPL and Modular Carpet
Architect	Ruhl-Parr & Associates Bellevue, WA
Authorized Dealer	ASD Seattle, WA
General Contractor	Mortenson-Gobin Seattle, WA
Engineering Firm	AE Associates Seattle, WA



Casinos are meant to be memorable visual experiences, and the new Tulalip Casino has brought Las Vegas dazzle to Marysville, Washington. But one of its best attractions is something you won't see... smoky air. Many aspects of this casino are unique among building construction projects; however, the goal of a healthy, smoke-free atmosphere was truly ambitious, especially considering the renovation of Tulalip would increase its size four-fold. But the tribal Board was adamant that their new casino would have a smoke-free environment for the casino staff and patrons, creating a healthier atmosphere for all. It was known that underfloor air is used in offices, but the casino market had not truly taken advantage of this technology. The project team decided that it was the answer to a cleaner environment for their casino.



Tate was pleased to be a part of this exciting project by providing raised flooring throughout the casino, dining and retail facilities to house the massive amount of electrical wiring and cabling as well as deliver a unique underfloor air system designed to improve the air quality for both smokers and non-smokers. The majority of the gaming floor is built over a 2ft raised floor plenum. This accommodates a unique ventilation system designed to reduce the effects of cigarette smoke in the facility by forcing air up through the floor, up through the occupied casino, then out of the building, carrying the smoke with it. By choosing Tate Access Floors and underfloor service distribution, the Tulalip's will have a casino that delivers to its patrons and staff a healthier environment and an infrastructure system that provides the ultimate in flexibility allowing equipment layout and technology changes quickly, easily and cost-effectively.

“ Nonsmokers sitting next to a smoker in the casino won't even notice the smoke. The secret to the system is something else the public won't see. The casino, restaurants and most other areas of the building have been built on raised floors, allowing space underneath not only for massive clusters of electrical wiring and electronics cabling but also for fresh-air vents. ”

Brad Weaver, A.E. Associate.

Turning Stone Casino

Verona, NY

The Turning Stone Casino Resort in Verona, NY, operated by the Oneida Indian Nation, had a problem with environmental tobacco smoke (ETS). During peak hours, a blue haze would cover occupants of the gaming floor, and the existing ventilation system didn't do enough to clear the air. Interestingly enough, smoking is prohibited in public buildings throughout New York, but visitors to the casino are permitted to smoke, because the facility is located on sovereign land. The Oneida Indian Nation, while wanting to permit smoking, felt strongly about eliminating as much ETS as possible. Drastic measures were needed to solve this problem; possibly even tearing out all the existing mechanical system in order to improve the air quality within the casino.

And that's just about what happened. When it was determined that Tate's underfloor air distribution system would solve the ETS problem, a two-phase construction project commenced. The first phase of the construction consisted of an 80,000 ft² expansion of the gaming room and the second phase involved a complete renovation of the existing 70,000 ft² gaming floor including demolition of the existing mechanical system. Eighteen months later, a new underfloor air system has helped eliminate the ETS problem, and patrons (and owners) can breathe easy. Plus there was a bonus: Although the primary purpose of the underfloor plenum was for air distribution, once the space was created, everyone wanted to take advantage of it. As a result, the plenum has been utilized for power, data, and control wiring giving the casino a flexibility it never had before. Underfloor service distribution by Tate Access Floors helped to create a healthy, adaptable casino environment.

“ I don't know how long the underfloor system has been available, but it's something that's really helped us out considerably. ”

*Bill Hollenbeck, senior facilities supervisor,
Turning Stone Casino.*





Project	Turning Stone Casino
Location	Verona, NY
Floor Area	30,000 ft ²
Product(s)	CCN 1500 Underfloor Wiring & Cabling Underfloor Air System
Architect	Douglas J Cardinal Ontario, Canada
Authorized Dealer	Henderson-Johnson Co. Syracuse, NY
General Contractor	Murnane Building Contractors Syracuse, NY
Engineering Firm	Sacks & Associates Seattle, WA

Tate®



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kingspan.com



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of the



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