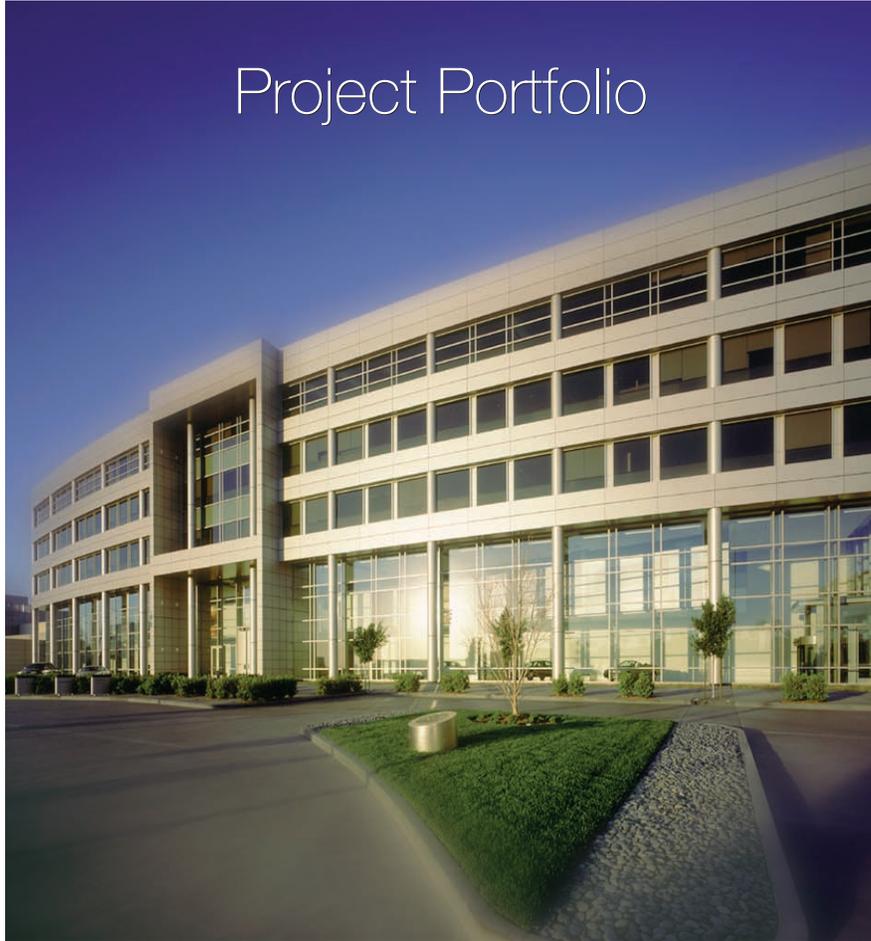


Project Portfolio



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 Distribution 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

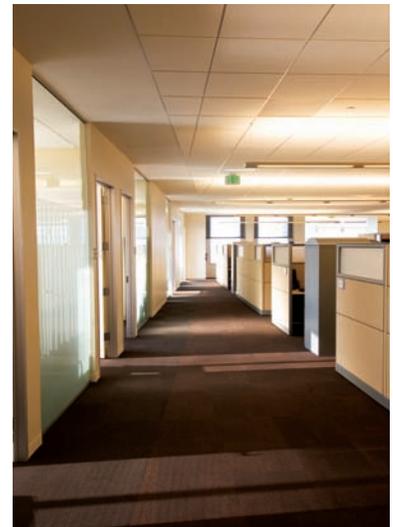
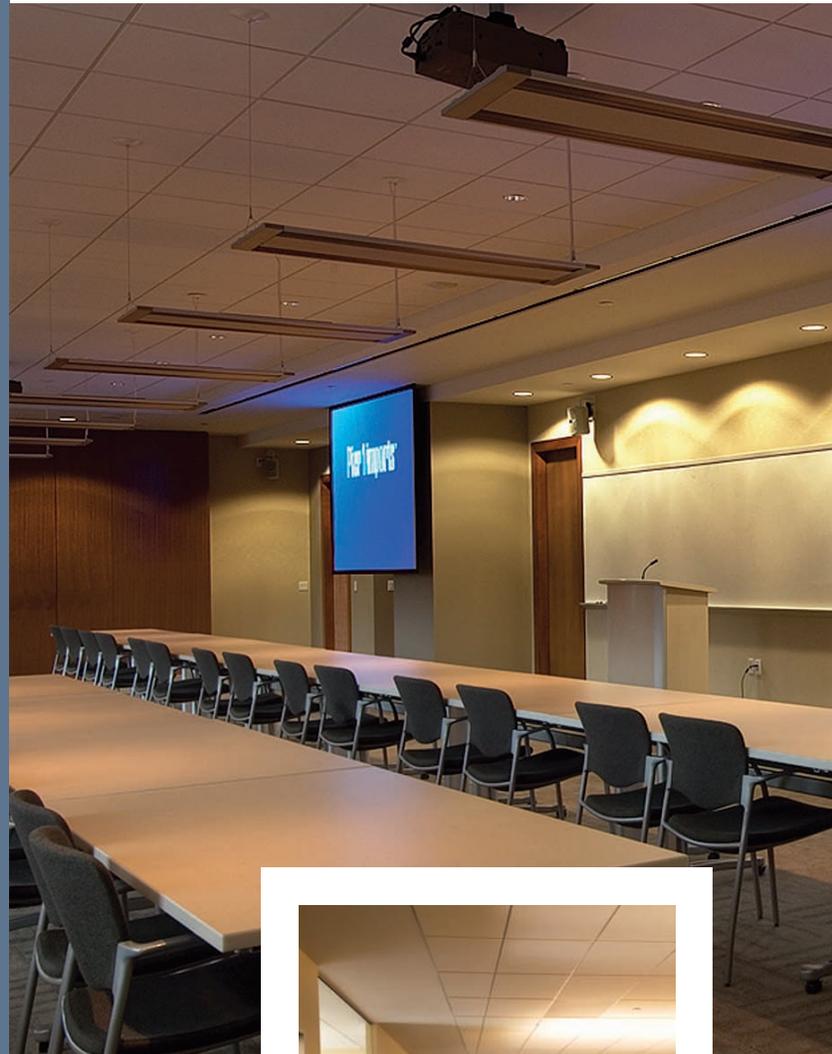
Owner Occupied Office

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 Distribution 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!



“ 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 Distribution 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

Bowie Corporate Center

Bowie, MD



Project	Bowie Corporate Center
Location	Bowie, MD
Floor Area	132,000 gross ft ² 125,000 ft ² Access Floor
Product(s)	ConCore® 1000 PVD Modular Wiring and Underfloor Air Distribution
Developer	Buchanan Partners Gaithersburg, MD
Architect	Barry Dunn & Associates Alexandria, VA
Authorized Dealer	Irvine Access Floors, Inc. Laurel, MD
General Contractor	Hubert Construction Gaithersburg, MD
Engineering Firm	EPIC Consultants Fairfax, VA



LEED® Silver Project



The greening of the D.C. area's real estate will take a step forward with the completion of the Bowie Corporate Center, a five-story, 132,000 square foot office building. It is designed to meet the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) Silver certification. The project goals include: USGBC LEED core & shell, improved indoor air quality, underfloor power/communication system, improved daylighting, 50% increase in energy efficiency, 75% construction waste management, and 50% recycled content.

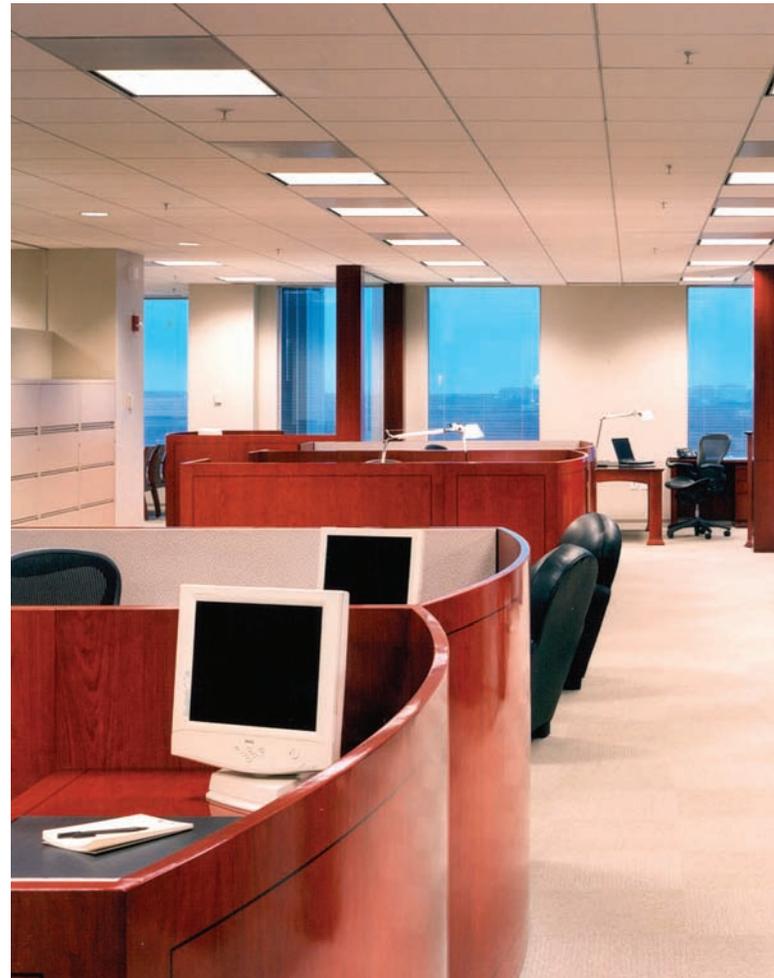
Tate Access Floors is committed to the mission of sustainable building and contributes greatly to the goals of this project. An underfloor air system provides a cleaner environment for the Bowie Corporate Center, while the underfloor wire and cable gives the flexibility for future changes. Access floors with underfloor service distribution has proven to reduce energy consumption costs, improve indoor air quality, provide individual occupant comfort, adapt easily to business needs, and contribute to LEED points in three of the five credit categories. Tate's "green" work ethic is reflected in its use of recycled content in its floor panels. Green building is the wave of the future and Tate will be there to support and protect our environment.

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 Distribution
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 Distribution 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 ft ² Access Floor
Product(s)	ConCore® 1250 Underfloor Wiring & Cabling Underfloor Air Distribution
Architect	Qk4 Louisville, KY
Authorized Dealer	Architectural Specialties New Albany, IN
Construction Manager	Qk4 Louisville, KY
Engineering Firm	Qk4 Louisville, KY

SSA Teleservices Center (Renovation)

Auburn, WA



Project	Social Security Administration Teleservices Center
Location	Auburn, WA
Floor Area	110,000 gross ft ² 110,000 ft ² access floor
Product(s)	ConCore® 1000 Underfloor Air Distribution
Architect	TVA Architects, Inc. Portland, OR
Authorized Dealer	Audio Acoustics, Inc. Lynnwood, WA
General Contractor	Absher Construction Company Puyallup, WA
Engineering Firm	GLUMAC International Seattle, WA



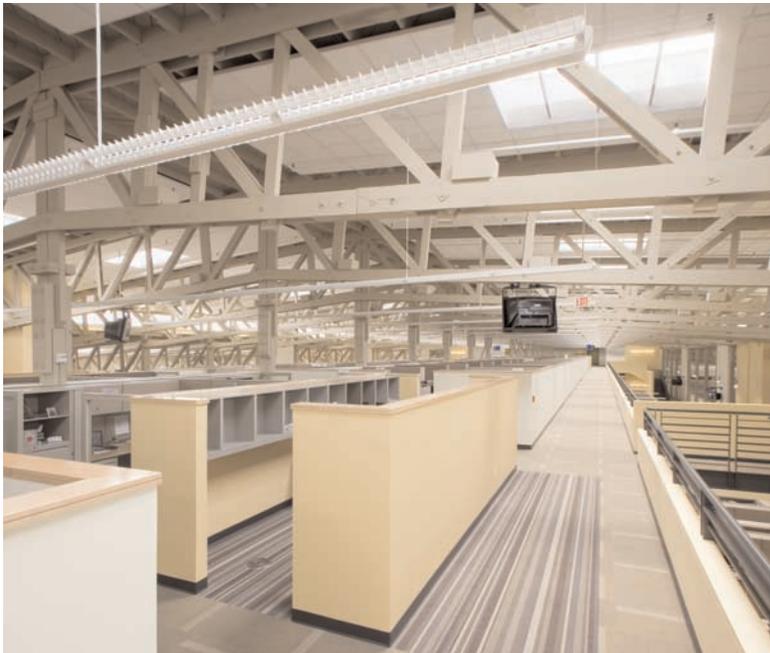
Photographs courtesy of TVA Architects Inc.



Originally constructed in 1943 as a military warehouse supporting the war effort, the SSA Teleservice Center building was essentially unchanged until 1989 when a portion was developed into office space to support the then new SSA Auburn TeleService Center. Changes in both technology and the methods in which SSA services interact with American citizens brought about a need for newly designed and expanded space. Teleservice Centers such as this are not the typical office space found in many of federal buildings. A large number of people working side-by-side, each engaged in serving their particular customers demand, this is a special atmosphere. Call centers are a critical link between an agency and its customers, as such special care must be taken to ensure that employees are able to effectively communicate with their customer. As a result, in 2005 GSA began a renovation that would give SSA employees the environment they deserve, with goals of LEED certification and a comfortable work environment.

Tate Access Floors supplied the raised flooring and underfloor air distribution system for the SSA Teleservice Center. Tate's approach to "green" construction addresses several areas within the USGBC's LEED® rating system including: Energy and Atmosphere, Indoor Environmental Quality, and Innovation in

Design. Through underfloor air distribution, Tate Access Floors deliver improved personal comfort control, enhanced ventilation effectiveness, and improved indoor air quality while saving energy. Through constant research Tate recently increased the recycled content of its products to over 30% for nearly all flooring systems. As a United States manufacturer Tate is proud to be a part of the environmentally conscious building community and we have set the bar high with this particular workspace, creating a very enjoyable place to serve the American public.



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. Census Bureau Headquarters

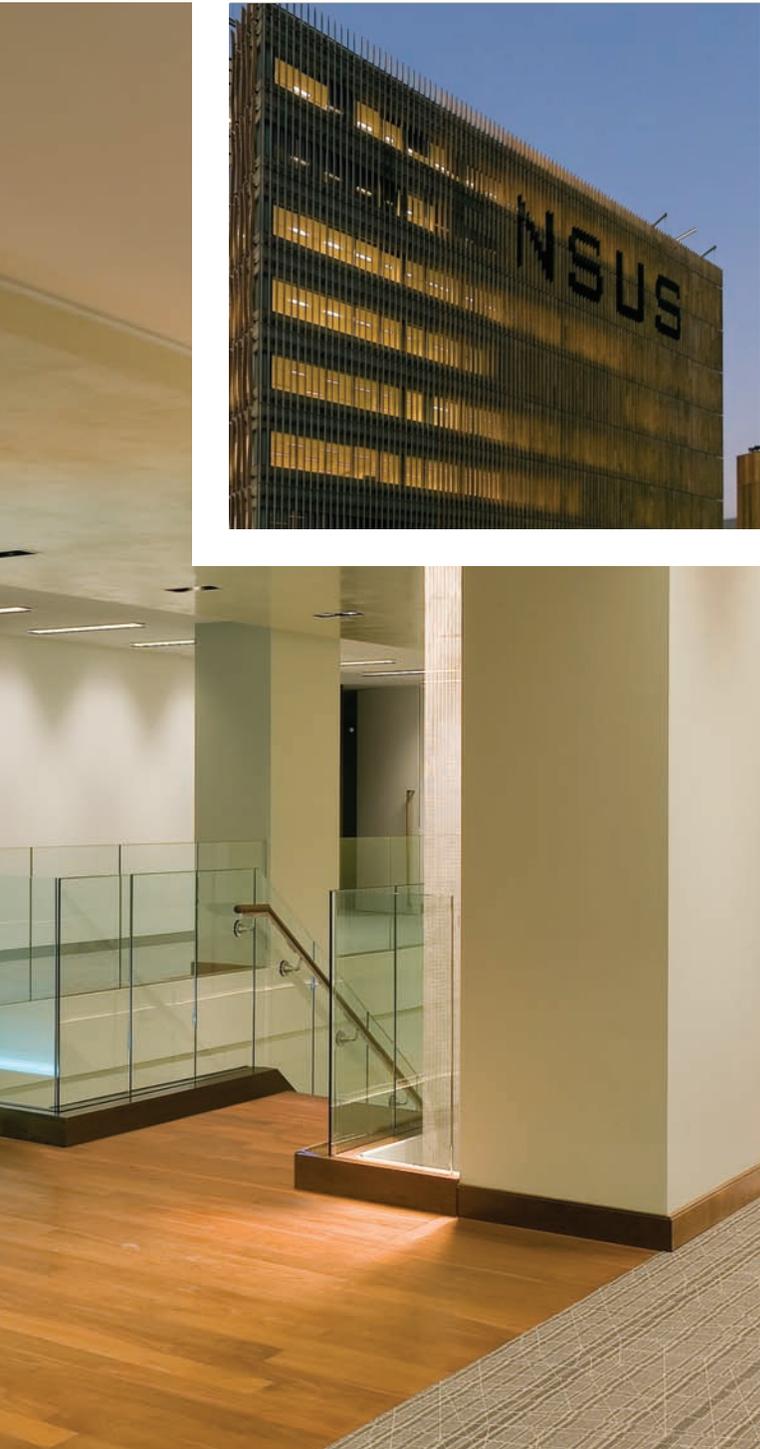
Suitland, MD



Project	Census Bureau Headquarters
Location	Suitland, MD
Floor Area	1.5 million gross ft ² 1.2 million ft ² access flooring
Product(s)	ConCore® 1250 Underfloor Air Distribution Underfloor Wiring & Cabling
Architect	Sidmore, Owings & Merrill Washington, DC
Architect	HKS Washington, DC
Authorized Dealer	Irvine Access Floors, Inc. Laurel, MD
General Contractor	Skanska USA, Inc. Parsippany, NJ
Engineering Firm	Southland Industries, Inc. Fairfax, VA



Photographs by Blake Marvin, HKS, Inc.



Since 1790, it has been the job of the U.S. Census Bureau to do the nation's headcount and to act as the leading source of quality data about the country's population and its surroundings. After recently turning its analysis inward, the bureau decided that it was time to provide a better environment for its own staff with a state-of-the-art building that was capable of meeting several key challenges including the need for a fully modular work space.

The bureau's suburban Washington, DC headquarters is home to 6,000 employees. A workforce of that size brings with it the typical concerns about office reconfiguration and churn rates, but the Census Bureau is even more unique in this regard. Every ten years as it gears up for its decennial survey the number of workers triples. GSA called for a facility design that would not only absorb these periodic swells in the staff, it also had to be on track to earn a LEED Silver rating.

From the visually striking presence of its *brise soleil* facade to the many onsite amenities, the new \$331 million structure succeeds as an aesthetic "magnet" for attracting the best and the brightest. However, it was the use of raised access floors with underfloor air distribution which delivered on the promise of flexibility that was so critical to the project.

"We frequently use, and I mean almost always use raised access floors in buildings where there's a lot of churn or where there is significant electronic equipment involved,"

William Holley, Chief Engineer in the Office of the Chief Architect at GSA.

A design utilizing Tate Access Floors makes it possible to easily reconfigure office space for either routine office shuffling or when there is a huge influx of staff gearing up for the next survey. With wire and cable placed on the sub-floor platform beneath raised access panels, distributing power and data to any number of locations throughout the room is simple and convenient. The addition of an underfloor air distribution system was also key, in that it allows for the placement of individual air diffusers anywhere a new workstation might be installed.

The use of Tate Access Floors not only answered the call for a modular office design, it likewise contributed to the LEED points earned. Using raised access floors accomplished this by facilitating increased day lighting, improved indoor air quality, personal comfort control, and the recycled content in its panels.

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 Distribution PVD Modular Wiring System
Architect	Janovsky/Hurley Architects, Inc. Lexington, MA
Authorized Dealer	Office Environments of New England Boston, MA
General Contractor	Bond Bros., Inc. Everett, MA
Engineering Firm	Shooshanian Engineering, Inc. Boston, MA



LEED® Certified Project

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 Distribution
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.

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 Distribution 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

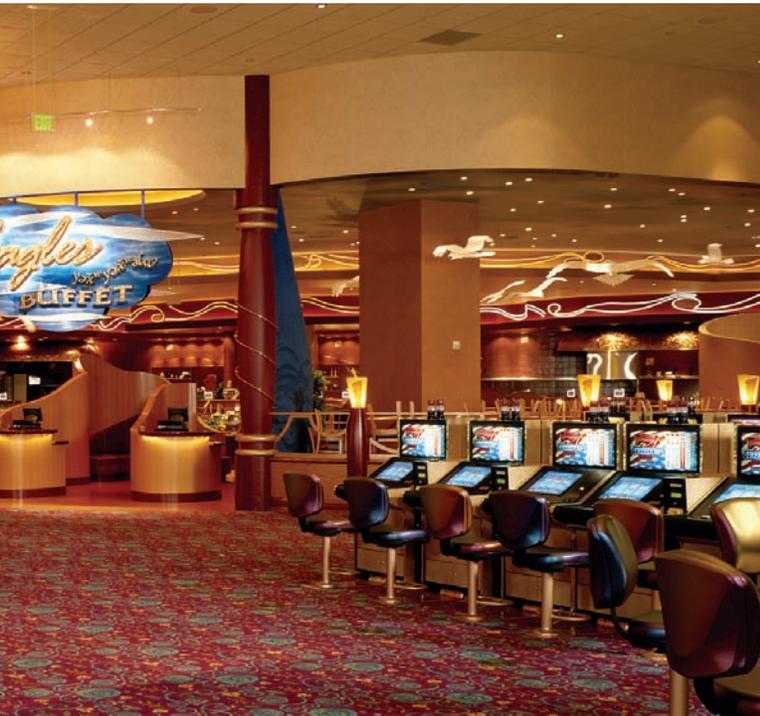
Marysville, WA



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 Distribution 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 Greeley, CO



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 Distribution
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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