SUSTAINABLE DESIGN
INCLUDING LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED)

Corporate Office Properties Trust – National Business Park, Buildings 410, 420, and 430, Annapolis Junction, MD

This is a group of Class A, mid-rise office buildings that offer a total of over 380,000 square feet of speculation office space featuring secure communication lines, conveniently located near Fort Meade and NSA Headquarters. SRBR provided complete MEP design that included HVAC systems consisting of packaged rooftop VAV units with energy recovery to meet high efficiency requirements. Special services included the completion of all MEP documentation for LEED Certification. All three buildings are anticipated to achieve Gold Certification. Buildings 410 and 430 completed construction in 2011 and building 420 is projected for completion in 2013.

Corporate Office Properties Trust – Riverwood Office Building, Columbia, MD

New Class A, three-story, 90,000 square foot office building strategically situated between Baltimore, MD and Washington, DC in Columbia, MD. This structure was designed and will be built for secure operations and will meet DOD Anti-Terrorism Standards for blast resistance. SRBR provided complete MEP design which included LEED documentation and Commissioning services. This project is anticipated to achieve LEED Gold Certification upon the completion of construction in early 2012.

3700 Fleet Street Medical Office Building, Baltimore, MD

Two levels of medical office space comprising 60,000 square feet sit over two levels of parking garage in this Baltimore City building. The Baltimore Medical Systems, Inc.(BMSI) occupies the top floor while the first level is available and was designed as shell space for future medical tenants. SRBR provided compete Mechanical, Electrical and Plumbing design services for the BMSI tenant and assisted with LEED Certification for Building Shell Design, and achieved Gold Certification for Core and Shell and Platinum Certification for Commercial Interiors. The building was completed in 2008.

SUSTAINABLE DESIGN
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Healthcare for the Homeless, Baltimore, MD

The scope of this project was the programming, budgeting, design and construction of a new 3 story, 51,000 square foot medical office building and medical clinic for the Health Care for the Homeless, a 501(c)3 organization in Baltimore. This organization provides no cost medical care and services to the homeless of Baltimore City and many other areas throughout Maryland. The building incorporated many sustainable design features, including a green roof, water-source heat pump heating/air-conditioning equipment, high efficiency lighting and controls, refrigerant management for cooling, low-flow plumbing fixtures, increased building ventilation, and bacteria control using ultraviolet lamps in the ductwork. Construction was completed in 2009. This project is USGBC LEED Certified Gold.

The Basic School at Quantico USMC Base, Quantico, Virginia

The scope of this specific project is the design/build of a 70,000gsf instructional building. The building includes four large lecture halls, classrooms, sand table room, offices and support spaces. The building incorporated many sustainable design features, including geothermal heat pumps, solar domestic hot water, 31% energy savings below ASHRAE 90.1, high efficiency lighting and controls, refrigerant management for cooling, low-flow plumbing fixtures and increased building ventilation. This project also includes energy enhancements that include ground source heat pumps, photovoltaic array, LED lighting and will be LEED Gold Certified.

Palisades at Towson, Towson, Maryland

SRBR was the prime LEED consultant on this 18 story, 450,000 square foot high rise apartment building. SRBR's leadership in the LEED process for the owner established the LEED credits, organized the other consultants on the project and resulted in a LEED Silver rating for the building. SRBR managed and supervised the LEED process, which reduced the owner's energy cost by 32 percent and significantly reduced the building's carbon footprint and its impact on the environment.

Ft. Detrick - Armed Forces Reserve Center

SRBR provided sustainable design and LEED consulting services for the Federal Government on this combined Army and Marine Corps reserve center. SRBR provided the LEED energy calculations and worked with the other consultants, owner, and contactor on the design aspects of the three buildings on the site to comply with the US Green Building Council energy and environmental improvements to the project. Once the improvements, identified by SRBR, were accepted, SRBR designed the improvements for construction by the various contactor trades. SRBR's involvement resulted in 34 percent reduction in energy consumption for the buildings.

SUSTAINABLE DESIGN
INCLUDING LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED)

936 Ridgebrook Road, Sparks, MD

The scope of this project was the design and construction of a new, 5 story, 120,000 square foot office building. The original building was designed as a spec office building. The use of sustainable features was integrated into the basic building design without significant modification of the original building envelope or proposed HVAC and electrical systems. The original rooftop VAV system was modified to use high-efficiency units with integral heat recovery. Daylighting controls are used throughout the building and provided a significant reduction in energy use. The building envelope and window insulation values also contributed to the energy savings. Use of low-flow plumbing fixtures and sustainable interior elements contributed to additional LEED credits. This project was completed in 2009.

Ingleside at King Farm, Montgomery County, Maryland

This $98 million mid-rise Continuing Care Retirement Building is a seven story health care and independent living building and terrace built over an underground parking garage. SRBR designed the mechanical, plumbing, and electrical systems for the landmark project. The central water source heat pump system captures the best of life cycle costs for the project and gives the building occupants and staff a pleasant system to experience and maintain. All other MEP systems typical of CCRC's, including central hot water heating, telecommunications systems, emergency call, security, fire alarm, and power distribution were designed under SRBR's scope of work.

Central Sanitation Facility Administrative Building, Anne Arundel County, Maryland

SRBR was the primary LEED consultant for the owner on the project, which included a two-story, 24,000 square foot administration building for Anne Arundel County. SRBR's involvement in the process guided all of the trades through the LEED design and construction process and resulted in 28 percent energy cost reductions for the owner and significant environmental improvements.

Suffield Meadows, Warrenton, Virginia

SRBR was the prime LEED consultant on the project, which included a two-story, 60,000 square foot assisted living facility. SRBR met with the owner, established the LEED credits, worked with the other consultants on the project and submitted the LEED templates to the US Green Building Council to obtain a LEED Silver rating for the facility. SRBR's efforts to manage and supervise the LEED process immeasurably improved the environment and reduced the owner's energy cost to operate the facility.