

## FANNING HOWEY

**FIRM NAME** Fannig Howey

**ROLE:** Lead Designer

For more than 50 years, Fanning Howey has focused on the design of K-12 schools, working in rural communities, growing suburban areas and major cities. From flexible elementary schools to high-tech high schools, our designs help teachers instill a lifelong love of learning and give students the skills they need to become responsible and productive citizens.

### K-12 EDUCATION

In 2016, Fanning Howey was named to Building Design+Construction's list of the Top 10 K-12 school design firms in the country. The firm is the only architecture practice on that list with a total focus on the planning and design of learning environments. Fanning Howey's total focus on educational design provides clients like Falls Church City Public Schools with a deep understanding of how facilities are able to life teachers and students to new heights, serve as beacons of community pride, reduce operating costs and improve the bottom line.

Notable innovative high school design accolades include:

- 639 high school design projects
- Innovative suburban and urban high schools in 15 states
- 21 Impact on Learning Awards – more than any other firm
- 4 Crow Island School Citations – more than any other firm

Fanning Howey's collaboration with Architecture, Incorporated and Turner Construction Company on the \$135 million modernization of the District of Columbia's Coolidge high school has established a new threshold for creative school design and on-budget project delivery in the Mid-Atlantic region. Additionally:

- Collaboration with Turner Construction Company on \$1.2 billion in K-12 school work
- \$1.1 billion of Design-Build work for public school districts

According to Building Design+Construction, Fanning Howey is among the **Top 10 K-12 Design Firms** in the United States.



*Princeton Middle/High School in Cincinnati, Ohio, valued at \$110 million, with Turner*



*Takoma Education Campus in Washington, DC, with Turner*

Fanning Howey has collaborated with Turner Construction on **\$1.2 billion in K-12 school work.**



**FIRM NAME** Rinker Design Associates, P.C., (RDA)

**ROLE:** Civil Engineer

RDA has been providing professional services throughout the Commonwealth of Virginia for over 35 years. **RDA is a Virginia-Certified Small Business** (DSBSD Certification #652784), and a leading provider of professional civil engineering, transportation engineering, traffic engineering, utility design/relocation/coordination, stormwater management design, environmental, surveying, Right-of-Way/easement acquisition and appraisal, land planning, litigation support, and permitting services to both the public and private sector. As stewards of the land, the professionals at RDA have a mission to ensure that our clients' ideas, concepts and plans can be realized in harmony with federal, state and local regulations, while meeting the long-range planning and environmental goals of the communities in which we work.

Founded in 1982, RDA has provided planning and design services for a countless number of projects throughout Virginia. Today, RDA's staff consists of highly-experienced engineers, surveyors, planners, environmental scientists and support technicians.

#### **K-12 EDUCATION**

Over the past 30+ years, RDA has worked closely with local architects and various County and City Public School Agencies in providing planning, civil engineering, environmental and surveying services for school improvement projects. RDA is well aware of the unique engineering and landscaping features which are characteristic of school design, including "kiss and rides"; bus loops/drop-offs; safe vehicular and pedestrian circulation to, from, and within school properties; parking lot design (including segregation of visitor parking areas versus staff parking areas); recreational facilities; and screening requirements. RDA is very familiar with the Virginia CHPS Criteria and began using this system for all school projects in the summer of 2011. In 2011, Virginia-CHPS (VA-CHPS) was released and members of RDA attended an introductory seminar administered by the National CHPS Board.

RDA brings experience with Lead Designer Architecture, Incorporated on seven K-12 facilities and they include: Annandale Terrace Elementary, Belle View Elementary, W. T. Woodson High, West Springfield High, Graham Road Elementary at Devonshire, Terraset Elementary, and Freedom High.

**RDA has provided civil engineering services on nearly 30 schools for the City of Fairfax, Fairfax County, Loudoun County, and Manassas City. Seven of these school projects are with Architecture, Incorporated.**



*Pictured above is Roosevelt Boulevard in Falls Church near Oakwood Cemetery, representative of the type of work that RDA performs (i.e. sidewalk improvements) for the City of Falls Church as part of their Civil On-Call Contract.*

**RDA is currently providing civil engineering services to the City of Falls Church, on an On-Call basis bringing expertise with the City.**



**FIRM NAME:** CMTA Consulting Engineers  
**ROLE:** MEP Engineer

CMTA ranks in the top 40 MEP firms by Consulting-Specifying Engineer magazine. In 2017, CMTA was named to the Zweig Group’s Hot Firms List debuting as the 2nd fastest growing firm in North America.

The firm was founded in 1968 and now has 250 employees in its Kentucky, southern Indiana, Ohio, Texas, DC, Virginia and West Virginia offices. This includes 79 licensed professional engineers (PEs) and 23 FEs, 70 LEED Accredited Professionals, 20 Certified Commissioning Agents (CxA), seven licensed technology designers (RCDDs), seven Certified GeoExchange Designers, ten Certified Energy Managers and three licensed Fire Protection Engineers. CMTA is known nationwide for its expertise in sustainable, high performance design. CMTA President Ken Seibert and other firm principals speak nationally on the subject of high performance buildings.

**K-12 EXPERIENCE**

In the past 10 years, CMTA has engineered over 250 new Pre-Kindergarten through Grade 12 schools and renovations. These include some of the most energy efficient schools in the country: six operational Net Zero Energy Schools, over 50 Zero Energy Capable Schools (EUI of 35 or less) and 151 ENERGY STAR certified schools with 35 percent of those having and ENERGY STAR score of 95 and above.

**SUSTAINABLE DESIGN EXPERIENCE**

CMTA has engineered 57 LEED Projects: 6 Platinum, 20 Gold, 14 Silver, 6 Certified and 11 Registered projects including both the firm’s corporate headquarters (LEED Gold), Lexington (Kentucky) office (LEED Platinum) and Washington, DC office (LEED Certified).

**PROVEN ZERO ENERGY LEADER**

For the past 10 years, CMTA has led the national trend of Zero Energy Schools by accomplishing the 1st Zero Energy School in the US and then designing 1.6 million square feet of additional Zero Energy Projects.

**GEOTHERMAL**

CMTA has been using geothermal HVAC systems in schools for over 15 years. Their 15-year benchmarking provides accurate modeling data to “right size” well fields. Further, they use a distributed pumping system which is more energy efficient.

For the past 10 years, CMTA has led the national trend of Zero Energy Schools by accomplishing the **1st Zero Energy School in the US** and then designing **1.6 million SF of additional Zero Energy Projects.**



CMTA was the MEP Engineer on the Turkey Foot Middle School, one of the first Net Zero Energy schools, which was delivered with Turner Construction.



**FIRM NAME:** Cushman & Wakefield

**ROLE:** Commercial Consultant

Cushman & Wakefield is among the largest commercial real estate services firms with revenue of \$6 billion across core services of agency leasing, asset services, capital markets, facility services, global occupier services, investment & asset management, project and development services, tenant representation, and valuation and advisory. 2017 marked the 100-year anniversary of the Cushman & Wakefield brand. Their 45,000 employees in more than 70 countries help occupiers and investors optimize the value of their real estate an impressive platform of real estate solutions.

#### **LOCAL EXPERTISE**

Established in downtown Washington, D.C. in 1979, Cushman & Wakefield now has more than 700 employees regionally, across offices in Washington, D.C.; Baltimore, and Bethesda, Maryland; and Tysons, Virginia.

Over our 35+ year history in the area, our firm has handled many of the most prestigious projects in the region, providing services to both large and small organizations, private and public entities, and nonprofit organizations and associations. Cushman & Wakefield offers a complete range of services to our occupier and investor clients for all property types, including leasing, sales and acquisitions, equity, debt and structured finance, corporate finance, appraisal, consulting, corporate services, and property, facilities, project and risk management.

Our Washington, DC Project and Development Services team has 40 project managers with an average of 20 years' experience. Our most notable projects in the region are

- Capital One's Headquarters Campus in Tysons, VA; program management of Fannie Mae's national portfolio, which includes a new Downtown DC HQ location and a ground-up Operational Hub in Northern VA;
- Development Advisory for the University of Maryland Foundation;
- Managing the design, permitting and construction of 6 locations for the British Schools nationally and in DC.

Headquartered in Washington, DC, Cushman & Wakefield's Development Management Practice Group, led by Gary Helminski, provides expertise in ground up development, re-development and advisory development services. With strategic advisory services, we provide consultative development (pre-construction/development) services. This could include feasibility, best and highest-use analysis, due diligence, development strategies, team/developer selection, incentives and land entitlement services. Our practice also drives significant additional Company revenue such as financing fees, Landlord agency brokerage and tenant improvement PM fees.

**Cushman & Wakefield's Development Management Group is currently managing 20 major projects across the US totaling 20 million SF and overseeing \$8 billion in project budgets. Their project managers consistently deliver **10 to 15 percent construction cost savings** to our clients.**

Project types include office buildings, commercial spaces, retail spaces, education campuses, industrial and distribution centers, telecommunication centers, mission critical data centers, and build-to-suits.