

Bulletin

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The Official Publication of the Washington Building Congress | **September 2010**

USGBC and LEED Transform the Built Environment p. 10



Washington Nationals Stadium, LEED for New Construction Silver certified. Photo courtesy of HOK Sports

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Please join us as we celebrate the culmination of another outstanding year for the Washington Building Congress and our leadership team. The 73rd annual celebration is being held in conjunction with the always popular Bull & Oyster event held the last six years. The menu will once again include a variety of freshly shucked oysters, peeled shrimp, crab cakes, steamship round of beef and a full hosted bar.



Bulletin

September 2010

Washington Building Congress is a nonprofit association made up of professionals from a variety of disciplines, all with an active interest or involvement in the Washington Metropolitan Area's real estate, design, and construction community. The organization was established in 1937 to represent the collective interests of its members by providing education and networking opportunities and by promoting the advancement of the building industry. For additional information about membership, joining a committee or the WBC Bulletin, call (202) 293-5922 or visit us on the web at www.wbcnet.org.

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Chairman's Letter

Dear Members and Colleagues:



The Washington Building Congress leadership and committee chairs began the year last October to ensure that the association was effectively addressing member needs and expectations in what has been a challenging environment for our industry. I am pleased to report that thanks to a well orchestrated team effort, the association is more vibrant and active than when we started. I am confident that incoming Chairman of the Board Chuck Asmar and the new Board of Directors will keep the upbeat momentum going. My term as Chairman ends September 30, and Chuck will take office on October 1.

The WBC is finishing a very successful year highlighted by a series of excellent programs and activities. The 53rd Craftsmanship Awards program enjoyed an all time record 314 entries and recognized 78 winning projects. An impressive 1,200 people attended the March Craftsmanship Awards banquet to recognize over 350 individual craftsmen. This year we also inducted the third class of craftsmen into the Craftsman Hall of Fame. We had record attendance at each of our popular networking and Hammerheads events, 550 revelers enjoyed the Holiday Party and 306 players came out for the 72nd annual golf outing. WBC also held an outstanding series of programs and seminars this year and will continue to focus on bringing the industry together for networking opportunities and professional development on a regular basis next year.

The August Summer Networking Party was once again hosted by the Hammerheads Committee for the full WBC membership. The event was held on the fantastic glass enclosed rooftop at Tabaq Bistro, a local club located on U Street near Adams Morgan. Thank you to the Hammerheads Committee members and Acting Chairman Mike Baruccheri (Tishman Construction Corporation) for putting together another outstanding series of events over the past year for the next generation of industry leaders. I would also like to wish former committee chair Lisa Walker all the best with her recent relocation to Denver, Colorado.

If you have not already done so, please be sure to renew your membership within the next few weeks. You recently received your 2010-11 dues invoice, *Industry Index* member listing correction form, Index advertisement form, and annual sponsorship information. The WBC membership year runs from October 1 to September 30 each year and annual renewal payments are due September 30. If you have any questions regarding your membership or the WBC, please feel free to contact Rita Reis or Steve Kenton at (202) 292-5922.

I would like to take this opportunity to extend a special thanks to all of the dedicated committee members, and particularly our committee chairs and vice-chairs. Each individual's commitment of time and hard work helped make this year a resounding success. Without each member's ideas and input, we could not have achieved so much. The WBC leadership and staff will continue to address the needs of our valued members through the committee process next year. I would also like to encourage new members and those of you who have not been active recently to volunteer a little time to our outstanding association and the industry. Please see the committee volunteer sign-up form online or contact the WBC office for further information.

My year as WBC Chairman has been both personally and professionally rewarding. I would like to take this opportunity to extend a very special thanks to our loyal staff members, Steve Kenton and Rita Reis, for their continued professionalism and dedication to the organization.

It has been my honor to serve as WBC Chairman of the Board over the past year. We look forward to your continued support of our outstanding association.

Thanks again and let's keep our association going strong next year!

Best regards,

Jonathan Kurtis
WBC Chairman of the Board

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Industry Report

AECOM Acquires Tishman Construction Corp.

AECOM Technology Corporation (NYSE: ACM), a leading provider of professional technical and management support services for government and commercial clients around the world, announced today that it has acquired WBC member Tishman Construction Corp., a leading provider of construction management services in the United States and the United Arab Emirates, in a US\$245-million transaction.

This transaction allows AECOM to expand its mix of higher-margin construction management/ program management business—a market estimated to be in excess of US\$100 billion globally by Engineering New-Record—without materially increasing its overall risk profile.

Tishman specializes in providing construction management services, but also provides program management and other construction-related services. It serves public—and private—sector clients in a variety of markets, including arts and culture, commercial, education, gaming, health care, hospitality, residential, retail, technology and transportation. This strategic addition to the AECOM enterprise results in an increased global presence and bolstered resources for integrated delivery of mega-projects. Tishman has 900 employees across the U.S. and in the U.A.E. and generated revenues of nearly US\$1 billion in 2009.

Tishman Chairman and Chief Executive Officer, Dan Tishman will continue to head Tishman's operations and joins AECOM's leadership team as a vice chairman and a member of its board of directors. Tishman is currently engaged in a number of noteworthy projects, including 1 World Trade Center, which, at 1,776 feet will be New York City's tallest building; World Trade Center Tower 4 and the PATH Terminal Hub at the World Trade Center; the Food and Drug Administration's 5.5-million-square-foot headquarters project in Washington, D.C.; and the Angsana Resort and Spa in Abu Dhabi. Tishman, in a joint venture



Centennial's Terry Dubbs (left) received the Diversity Solutions Award from Pless Jones, Sr., President of P&J Contracting and President of the MMCA.

with AECOM, is currently serving as construction manager for phase 1 of the Department of Homeland Security's new headquarters on the St. Elizabeths campus in Washington, D.C.

The transaction will be paid in cash and AECOM common stock. AECOM will finance the cash portion of the transaction with cash from its balance sheet which includes proceeds from its recently announced US\$250-million debt issuance. The transaction closed on July 14, 2010.

Centennial Honored by Maryland Minority Contractors Association

Terry Dubbs, regional operations manager, accepted the 2010 Diversity Solutions Award from Maryland Minority Contractors Association (MMCA) on WBC member Centennial Contractors Enterprises' behalf.

According to the MMCA, the Diversity Solutions Award is given to the organization that historically provides exceptional outreach to the minority contracting community;

exhibits consistent inclusion of minority subcontractors that far exceeds goals set by the City of Baltimore and the State of Maryland; empowers minority contractors by supplying strong contacts within the Baltimore business community; helps minority contractors build a stable reputation by providing access to a wider variety of construction projects; provides mentoring and training to assist minority subcontractors in their professional growth; helps minority contractors untangle the often convoluted web of regulations involved when dealing with City and State licensing governments; and bridges the gap between minority contractors and governmental institutions in order to better coordinate projects that directly benefit the Baltimore City community.

Centennial received the award, along with letters of recognition/ commendation from both Maryland Senators Benjamin Cardin and Barbara Mikulski at MMCA's 2010 Awards Banquet and Summer Soiree at Valley Mansion in Cockeysville, MD July 16th. Centennial was honored with several others, including

Governor Martin O'Malley, Congressman Elijah Cummings, Senator Joan Carter Conway and Gilbane.

Centennial has worked on Job Order Contracts in Baltimore and throughout the state of Maryland for over 15 years.

Centennial Named as Finalist In Washington Business Journal's Green Business Awards

For the past few months, soldiers at the U.S. Army transportation school at Ft. Eustis have learned to operate locomotives on a railway that contains the world's first train bridges made from recycled structural composite (RSC). Now, the prime contractor on the project, Centennial Contractors has been named a finalist in the *Washington Business Journal's* Green Business Awards—Green Invention category.

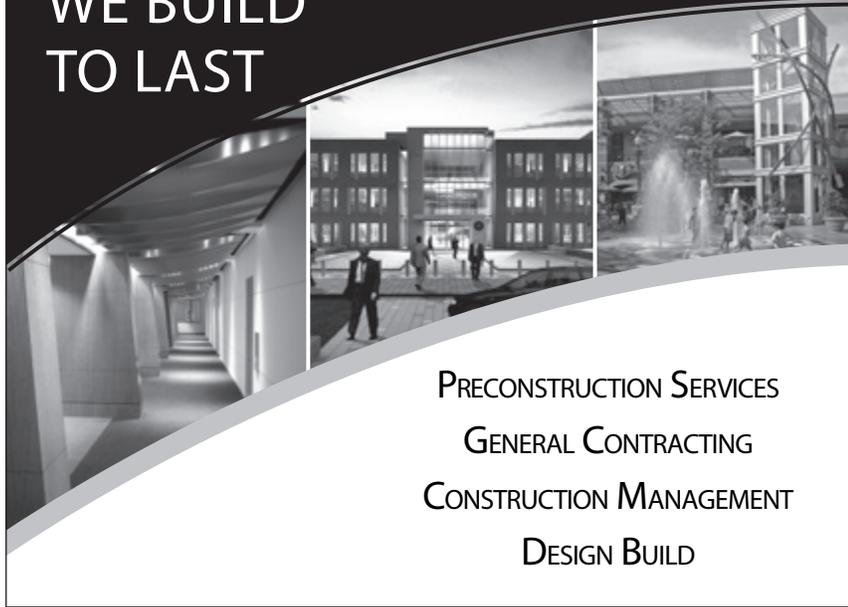
The Job Order Contractor worked with RSC manufacturer, Axion International as well as Parsons Brinckerhoff, Innovative Green Solutions and English Construction Company to complete the project. RSC, which is comprised entirely of post-consumer recycled plastic such as milk jugs, detergent bottles, disposable coffee cups and industrial plastics (car bumpers and computer casings) was invented by scientists at Rutgers University in New Jersey who melted the different types of plastic in a precise formula creating a material stronger and more durable than any recycled plastic.

The completed bridges are approximately 40 feet and 80 feet long. They now support a 130-ton locomotive and are made to E60 weight and speed limit standards, far surpassing the old bridges' E19 and E25 standards. The bridges do not require any substantial maintenance over the long term and have the same life expectancy as conventional materials.

The material proved to be very similar to working with conventional materials such as wood or steel. It does not leach any toxins into the environment which will also protect the local wildlife and people who come in contact with the bridges. Using RSC on these two bridges kept 334,000 pounds of material out of landfills and saved more

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Industry Report

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The *Washington Business Journal* will announce the category winners at a breakfast honoring the finalists on September 24th.

Local Electrical Apprenticeship Program Now One of Fifteen ISPQ Accredited Training Programs in North America

The Interstate Renewable Energy Council (IREC) has awarded the Joint Apprenticeship Training Program (JATC) ISPQ Accredited Training Program™ status. The JATC is jointly sponsored by the National Electrical Contractors Association (NECA) and International Brotherhood of Electrical Workers (IBEW) Local 26 who together make up the WBC member, Electrical Alliance.

After a long application and audit process, the JATC was awarded the ISPQ Accredited status for the photo-voltaic portion of its five-year Inside Journeyman Wireman apprenticeship program. This highly sought after credential is granted by the globally recognized authority in the area of renewable energy training, the Institute for Sustainable Power, Inc.™ (ISP).

ISP is an international non-profit organization, incorporated in 1996 to coordinate, develop, and maintain international standards for the evaluation and qualification of renewable energy (RE), energy efficiency (EE) and distributed generation (DG) training providers. Organizations accredited by ISP attest that they have the skills and the resources to deliver high quality training covering the skills and competency requirements of the specific RE/EE/DG trades.

The status of ISPQ Accredited Training Program™ is recognition for an organization that provides a course(s) covering all the points of an ISPQ-approved Task Analysis. Specifically, this accreditation references the "Solar Photo-Voltaic Systems Installer" task analysis which was developed by the North American Board of Certified Energy Practitioners (NABCEP).

The JATC earned this accreditation for the photo-voltaic portion of its curriculum which, in conjunction with other portions of the curriculum including DC and AC Theory, OSHA 30, and the National Electrical Code, fully satisfies the requirements of the approved Task Analysis.

The JATC is one of only fifteen such accredited programs in all of North America, and the first NECA-IBEW training facility to achieve the status.

For complete information describing the electrical apprenticeship curriculum, pay and benefits, and application instructions, visit www.getchargedup.org.

Potomac Valley Brick Launches Second Annual BrickStainable Design Competition

Teams of architects, engineers, material scientists, landscape architects, ecologists, students and others have another opportunity to design a sustainable building using clay brick as the primary material for BrickStainable Design Competition. Thanks to the success of the inaugural BrickStainable 2009 competition, WBC member Potomac Valley Brick will hold the competition once again this year.

BrickStainable competition is held in pursuit of design solutions that exploit the unique properties of brick masonry construction as well as seek new ideas in the development of this age old building material. Once again, this year's competition has two categories.

- **Integrated Building Design Competition:** The assignment's building will be set in an urban location. Like last year, the competition seeks integrative design solutions that exploit the thermal qualities of brick masonry construction to create a passively heated and cooled building. The target: Net Zero.
- **Technical Design Competition:** Design a single element of a building that provides a sustainable solution to real-world environmental challenges.

Jurors will look for evidence of the project's performance and encour-

age the use of BIM, energy, solar and day light modeling software.

Potomac Valley Brick will award a \$10,000 grand prize and \$7,500 grand prize in the Building Design and Technical Design categories, respectively. Up to three honorable mention winners in each category will be awarded \$2,000 per team. All winners will be flown to Washington, DC for the awards celebration on March 31, 2011 at the National Building Museum.

In the first competition, BrickStainable received 90 registrations from 17 countries and awarded six prizes to the top entries.

Registration is open July 15th through November 15th and competition entries are due December 15th. Competition requirements, past award winners and award ceremony photos are available at www.BrickStainable.com.

Greg Gouldin Joins Foulger-Pratt Contracting



Greg Gouldin

Greg Gouldin has joined WBC member Foulger-Pratt Contracting as director—Business Development where he will be responsible for client development and strategic planning in the

greater Washington/Mid-Atlantic area.

Gouldin is formerly a Principal with the SmithGroup in Washington, DC and brings over 20 years of business development and management experience with various clients within the research, healthcare, academic medical centers, higher education and federal government markets. Over the last several years, he has focused on premiere research and healthcare clients including National Institutes of Health, National Cancer Institute, Johns Hopkins Medicine, University of Virginia, and University of Maryland.

Gouldin's educational background includes an MBA from Old Dominion University and a Bachelor of Science in Mechanical Engineering

from Virginia Polytechnic Institute & State University. Additionally, he is a member of the Beta Gamma Sigma Honor Society; and has been involved in numerous industry associations including WBC, ABC, NAIOP, HCNCA, VHHA, SCUP, ASHE, ASME, SAME and ISPE.

Terry Coakley to be Honored by Catholic Business Network

Terrance C. (Terry) Coakley is the winner of the 2010 Catholic Business Person of the Year Award, annual recognition given leading Catholic business people each year by the Catholic Business Network, Montgomery County.”

Coakley is a recognized leader in the construction industry throughout the Washington, DC, metropolitan area. He is the co-owner and Chief Executive Officer of WBC member Coakley & Williams Construction, Inc. He joined the firm in 1974 and since then his company has been involved in construction and renovation of thousands of government, commercial, institutional and interior projects throughout the region as well as 17 different states. His firm’s projects have been recognized with awards from the Design-Build Institute of America, USGBC, American Institute of Architects, National Association of Industrial Office Parks, Building Congress & Exchange, Associated Builders and Contractors and the Masonry Institute. Several of his articles and projects undertaken by his firm have been featured in prominent industry periodicals.

A champion and generous supporter of education, Coakley serves on the Board of Directors of Archbishop Carroll High School, and is a member of the Executive Committee of the Collins Foundation as well as Past President. He served as a Past Member of the Board of Trustees for the Academy of the Holy Cross. Coakley also serves on the Board of Advisors and Executive Committee of the East Carolina University Construction Management Program. He has served as a Past

Member for the School-Wide Advisory Board for the School of Industry and Technology at East Carolina University.

He actively supports Clemson University, his alma mater, serving on the Board of Advisors for the Construction Science and Management Program and the Clemson University Alumni Association Regional Board of Directors. Coakley currently serves on the Board of Advisors for Evergreen Capital. His co-owner and President, Pat Caulfield, shares Coakley’s passion and support through his involvement with a number of other non-profit organizations.

Previously, Coakley was involved in the Catholic Youth Organization (CYO), coaching football and/or basketball continuously from 1975 to 1999 at the following schools: St. Bernadette’s, Silver Spring; Georgetown Prep, Rockville; St. Peter’s, Olney; St. Jude’s, Rockville, and St. Elizabeth, Rockville. Coakley attended Mater Dei School, Archbishop Carroll High School and Clemson

University. He and his wife of 37 years, Julie, reside in Bethesda, MD.

This is the 11th anniversary of the award, initiated in 2000 by then President Paul G. Zurkowski, founder of the CBN movement in the United States.

GeoConcepts Welcomes Linda Erbs

WBC member GeoConcepts Engineering is pleased to announce that **Linda Erbs** has joined the firm as principal. She brings 23 years of experience working on public and private sector land development projects. Erbs worked for Loudoun County for 15 years, where she was responsible for the engineering and environmental plan review and associated programs. Since leaving the County government, she has worked in the private sector as a developer and consultant, gaining land development experience throughout the Washington Metropolitan area. Erbs remains active in Loudoun County through her Board of Supervi-

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sors appointed roles on the Economic Development Commission, the Water Resource Technical Advisory Committee and the Facilities Standards Manual Public Review Committee. She also serves in an advisory role in the Route 28, Chesapeake Bay, and County-wide Transportation Plan stakeholder groups. As a member of NAIOP, she is active on the Government Affairs Committee and co-chairs the Loudoun Subcommittee for the Northern Virginia chapter. Her expertise in navigating the complex development process from concept to site plan approval will of great value to her clients. Erbs will be responsible for providing Land Development/Entitlement consulting services to GeoConcepts' clients and will serve as GeoConcepts director of Business Development.

Suffolk Construction Company Adds Three



Tony Giachinta

Tony Giachinta brings over 23 years of construction experience to WBC member, Suffolk. In his new role, as vice president, commercial, Giachinta will be responsible for both business

development and execution of work in the commercial sector on a regional basis.

Over the course of his career, Giachinta has worked his way up through the construction industry working in the field as a project superintendent, and later as a project manager, director of operations and regional vice president for one of the largest general contractors in the country. His experience covers projects ranging in size from 2,000 to 700,000 square feet. Most notable projects include: Raytheon Headquarters, CGI Bridgewater Corporate Center, AOL Childcare Center, Fannie Mae, Embassy of Pakistan, Winston & Strawn, MCI/Worldcom and Northrop Grumman. Giachinta holds a Bachelor of Science in Business Administration from

Marist College and a Diploma in Construction Management from New York University. His professional affiliations include The Washington Building Congress, DC Building Industry Association and NAIOP. He has been an executive committee member with the Leukemia & Lymphoma Society for over ten years and has co-chaired the annual black-tie gala for two years. Giachinta serves on the board for the Philips School and has supported The Annapolis Boys and Girls Club.



Aimee Alix

Aimee Alix joins Suffolk as business development manager for its Mid-Atlantic region. Focused primarily on healthcare and life science opportunities, Alix is

responsible for developing client relationships, seeking new project opportunities, and building consultant/teaming strategies for Suffolk's healthcare and institutional sectors on a regional basis. In her new role, Alix will draw on her impressive career of business development, estimating and project management experience. This unique combination will allow her to cultivate new clients and assist them in making informed decisions with regard to cost and schedule impact.

Alix holds a Bachelor of Science in Building Construction from Virginia Polytechnic Institute and State University. She is a LEED Accredited Professional and a founding member of the Lean Construction Institute's National Capital Region. She also serves as an advisory board member and alumni chair of the Virginia Tech Myers-Lawson School of Construction, and was awarded the "2008 Outstanding Young Alumnus" award from the University. Alix currently serves as a board member of the City of Alexandria Public-Private Partnership, and is the outgoing President of the Society of American Military Engineers (SAME) Northern Virginia Post. Alix earned the Northern Virginia Post's "Young Member of the

Year" award and was the "National Young Member" medal recipient.



Megan Murphy

Megan Murphy

joins Suffolk as business development manager for its Mid-Atlantic commercial division. In her new role, Murphy will be responsible for cultivating relationships with developers, architects and owners in the commercial sector and seeking new project pursuits. Prior to joining Suffolk, Murphy was marketing and business development manager at The Dietze Construction Group where she also served two years as an assistant project manager on projects such as the Dulles 28 Centre, Lake Manassas Professional Center, and the International Country Club. Her project management knowledge, coupled with her business development background, will allow her to effectively communicate with project teams and develop relationships surrounding commercial pursuits. Murphy holds a Bachelor of Fine Arts from Marymount University. She is an executive committee member for the Leukemia and Lymphoma Society's annual Leukemia Ball. She is also an active member of several business and philanthropic efforts including Catholic Charities, Arlington Free Clinic, Chikumbuso Women and Orphans Project in Zambia, Sunrise Assisted Living, and the Alternative House.

Year" award and was the "National Young Member" medal recipient.

PSI Appoints Eddy Principal Consultant, Promotes Finnen

WBC member PSI has appointed **Dana Eddy**, PE a Principal Consultant for their Geotechnical Engineering service line. Eddy is a graduate of The Citadel with a Bachelor of Science in Civil Engineering. He also earned an MBA from Rensselaer Polytechnic Institute and a Master of Science in Civil Engineering from the Georgia Institute of Technology. Eddy has been with PSI since 2009 and serves a dual role as a senior vice president based in its Fairfax, VA operations office.

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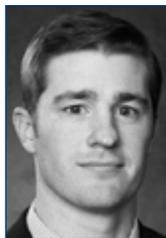
Industry Report

In addition, Richard Finnen, PE has been promoted to vice president overseeing PSI's Washington DC Metro and Virginia area operations. He has also been appointed a principal consultant for PSI's Geotechnical Engineering service line. He will be the primary principal consultant for its Fairfax office where he is based. Finnen is a graduate of North Carolina State University with a Bachelor of Science in Civil Engineering.

DPR Receive USGBC National Capital Region Chapter Award

This July, WBC member DPR became the first construction firm to receive the U.S. Green Building Council National Capital Region Chapter Award for Member Firm of the Year. In the past these awards have been given to architects or owners, but the 2010 award went to DPR for its strong presence in the green building community, involvement in USGBC, stellar record of constructing green buildings, and diligent tracking of our carbon footprint. A huge congratulations to the Mid-Atlantic region!

Daniel L. Weaver, CPA Named Partner of Councilor, Buchanan & Mitchell, P.C., CPAs



Daniel Weaver

Daniel L. Weaver, CPA has been named a partner of WBC member Councilor, Buchanan & Mitchell, P.C., CPAs, effective August 1, 2010.

Weaver is well-versed in the requirements of OMB Circular A-133 and the Department of Labor's requirements for employee benefit plan audits, and manages many of CBM's larger for-profit corporations' audits and tax work. For the past two years Weaver has been the Chairman of the CBM Not-for-Profit Committee, leading roundtables and seminars on Accounting for

Special Events, Implementing the Right Governance Policies, Impact of Auditing Standards on Clients: Audit Communications, and other timely topics.

Weaver graduated from Bucknell University with a Bachelor of Science in Business Management. He holds a current CPA license from the State of New Jersey and is a member of the American Institute of Certified Public Accountants, Greater Washington Society of CPAs, New Jersey Society of CPAs, Maryland Association of Nonprofit Organizations, ASAE and the Center for Association Leadership, and the Finance and Administration Roundtable. Weaver is also a stalwart member of the firm's softball and basketball teams, as much a performer on the playing fields as he is in his professional life, helping CBM's basketball team to a championship this past year.

Goodman & Company, LLP Names Principal; Announces Promotions in Tysons Office

WBC member Goodman & Company has announced the promotion of Jo Ann Swift, CPA, to Principal in the firm's Tysons Corner office. Swift earned her Bachelor of Science in Accounting from Northeastern Illinois University and has been with Goodman & Company since July 2001. She manages the audit and review engagements of multiple government contractors and not-for-profit entities and provides training to auditors and all levels. Prior to joining the firm, she worked for a big four accounting firm where she specialized in audits and consulting engagements for major government contractors and federal government agencies, and served as an auditor for the Defense Contract Audit Agency (DCAA). Swift is a member of the American Institute of Certified Public Accountants, the Association of Government Accountants and the Virginia State Society of CPAs.

Goodman & Company has appointed Sarah C. Graham as business development manager for the firm's

Government Contracting group based in Tysons Corner. Graham, a graduate of the University of Pittsburgh with a Bachelor of Arts in Economics and Accounting, has more than eight years of accounting experience including internal audit, international not-for-profit and federal funding regulations. She has traveled throughout Africa establishing new offices to implement international development projects and has also managed her own bookkeeping and consulting practice for small businesses, not-for-profits and high net worth individuals. She is a member of the American Institute of Professional Bookkeepers and the QuickBooks Pro Advisor Program.

Additionally, Goodman & Company has announced the following promotions in its Tysons Corner office:

Luke Martonik, CPA, was promoted to senior manager. A member of the government contracting and employee benefits industry groups within Goodman, he recently completed the "Contracting with the Federal Government," certificate series at George Mason University. His expertise is in assurance services for government contractors, not-for-profit trade associations, and corporate and individual taxes. Martonik has been with the firm since 2001.

Michael Skretta, CPA was promoted to senior manager. With nine years of experience in the accounting field, including seven with Goodman & Company, his specialties include business tax and audit work, individual tax and tax planning for S corporations, C corporations, multi-state businesses, partnerships and individuals.

Laura Ballagh, CPA was promoted to manager. She has been in the firm's Tysons Corner office for more than three years having first interned in Goodman & Company's Richmond office. Her expertise is in corporate tax and audit of Government Contractors and not-for-profit trade associations.

Patricia Friend was promoted to supervisor. A graduate of Cornell University with an MBA in Taxation from San Jose State University, she specializes in small business and individual

tax and has been with the firm since 2004. Friend is also a member of the McLean Orchestra Board of Trustees.

Philip Dougherty was promoted to senior associate. A graduate of Waynesburg University with a Bachelor's in Forensic Accounting, he is a member of the firm's Government Contracting Consulting group and has been with Goodman since 2008.

Brandon Wilkerson was promoted to senior associate. He graduated from Old Dominion University with a Bachelor's in Accounting. Prior to joining Goodman & Company in 2009, Wilkerson served as a staff accountant for a firm in Danville, VA. He is an active member of the American Institute of Certified Public Accountants and the Virginia Society of Certified Public Accountants.

Jean Lee was promoted to senior associate. A graduate of James Madison University with a Bachelor's in Accounting, she served as an intern in the Tysons Corner office before joining the firm in 2009.

Ian Brim was promoted to senior associate. A graduate of Averett University with a Bachelor's in Accounting, he began working in the firm's Danville office in 2008 before being transferred to Tysons Corner.

Evan Balaban was promoted to senior associate. A graduate of the University of Alabama with a Bachelor of Science in Accounting, he also holds a Masters of Accountancy. He joined Goodman & Company's Norfolk office in 2008 and has since relocated to the Tysons Corner location.

Goodman & Company Names Manager, Announces Promotions in Rockville Office

In its Rockville office, Goodman & Company, has named Jon C. Holmes, CPA, as a manager. Holmes earned both a Bachelor of Science and Master of Science in Accounting at Virginia Tech and has served as a Federal Tax Manager for KPMG in Washington, DC, since 2004. He specializes in corporate tax planning and prepara-

tion for the defense, manufacturing and power industries. Holmes is a member of the American Institute of Certified Public Accountants.

Kam Chun Lo, CPA, was promoted to manager. A graduate of the University of Maryland with a Bachelor of Science in Information Technology, she has worked with the firm for more than six years specializing in audit, review and compilation for construction contractors and mortgage companies.

Payton Baran was promoted to senior associate. He earned his Bachelor of Science in Finance from Virginia Tech and has worked for the firm since 2007 as both an intern and an associate.

Nikolina Boyadzhieva was promoted to senior associate. She earned a Master's in Sociology and Political Sciences from the University of Plovdiv, Bulgaria, and also received her accounting certificate from Montgomery College in 2007. Boyadzhieva specializes in individual tax and corporate and partnership tax for law, medical and veterinary practices.

Timothy Hare was promoted to senior associate. A graduate of the University of Maryland, Hare holds a Bachelor's in Accounting and has more than five years of experience in public accounting, specializing in the areas of tax, accounting and audit engagements for the professional services, real estate, restaurant, banking and alternative energy industries.

Goodman & Company Associates Earn CPA Licenses

Goodman & Company is pleased to announce that Casey T. Bennington and Suzanne Stickel, associates in the firm's Tysons Corner office, have successfully passed the CPA exam.

A graduate of Virginia Tech, Bennington holds both a Bachelor of Science in Accounting and Information Systems and a Master of Science in Accounting Information Systems with a concentration in audit. He joined Goodman & Company in the fall of 2009.

A graduate of the University of Virginia's College at Wise, Stickel earned

a Bachelor of Science in Accounting and was named the college's first Goodman Fellow (the Goodman Fellowship Program was instituted in 2008 as part of the firm's scholarship commitment to the region's colleges and universities). She served as an intern with Goodman & Company prior to her employment with the firm.

Monarc Reorganizes Executive Staffing

In order to handle its increased work load, Monarc Construction, a WBC member in Falls Church, VA, has moved Vice President William H. Stepanick (formerly Preconstruction & Estimating) to Operations to oversee Monarc projects, along-side Vice President Byron Kassing. Randy Mullen, Monarc's Chief Estimator from 1989-1997, has rejoined Monarc after 15 years, as Vice President of Preconstruction & Estimating. Monarc has seen a sizable increase in new projects in the last three months, especially in its niche market of Embassy Projects.

Maurice Electrical Supply and Electrical Wholesalers Merge

Effective August 2, 2010 Maurice and Electrical Wholesalers (EW) have merged into one company carrying the name Maurice Electrical Supply across all eight locations; Annapolis, Beltsville, Gaithersburg, Fairfax, Capitol Heights, Rockville, Warrenton and Washington, DC. The company will continue to be headquartered on Penn Street in Washington, DC. The same sales associates will be in place and eager to supply customer needs at each location at the same telephone number they have been used to calling. Invoicing will be done under the name Maurice Electrical Supply even if the order was placed with Electrical Wholesalers. Accounts payable departments should be notified that, in the Washington, DC area, EW = Maurice and Maurice = EW. Maurice will continue to provide honest and dependable service as our common objective is to ensure complete customer satisfaction. **B**

Feature Article

Increased Impact through a Decreased Footprint

USGBC and LEED Transform the Built Environment

by Meaghan Bixby

Recent history has shown that building industry professionals and consumers alike are eager to implement environmentally-friendly tactics in the ways they build, work and live. The U.S. Green Building Council (USGBC), founded in 1993, is the nation's leading nonprofit organization devoted to the market transformation of the way buildings and communities are designed, built and operated; enabling a socially and environmentally responsible, healthy and prosperous environment that improves the quality of life for all.

A hallmark of USGBC is its commitment to realizing a prosperous and sustainable future for our nation through cost-effective and energy-saving green buildings.

To ensure that goal is fulfilled, USGBC and its members have developed the LEED® green building certification program. LEED provides building owners and operators a concise framework for identifying and implementing practical and measurable green building design, construction, operations and maintenance solutions. Rating systems have been developed for numerous building types—New Construction, Core and Shell, Homes, Existing Buildings, Commercial Interiors, Schools and launching fall 2010 and spring 2011 respectively, LEED for Retail and LEED for Healthcare further expand LEED's reach into new sectors. With the recently-launched LEED for Neighborhood Development rating system, LEED is increasing its impact from singular buildings to entire communities.

It has been the foresight and leadership from corporations, small businesses, nonprofits, local officials and state leaders that has transformed the marketplace from building to minimal standards to embracing the idea that using less costs less. The suite of LEED rating systems is designed to be flexible and inclusive. Every day, projects transcend misconceptions about cost and scale, proving that no matter what size or budget, environmental stewardship is indeed, worthwhile and beneficial.

Delivering Results

Buildings in the U.S. are responsible for 39% of U.S. primary energy use and 72% of U.S. electricity consumption. They use 15 trillion gallons of water per year and consume 40% (3 billion tons) of the world's raw materials.

But by adopting and incorporating LEED and green building practices into buildings, whether they are new construction, existing buildings or homes, much of the harm building and construction has on the environment can be alleviated immediately and success can be measured by increased health, productivity and deep financial returns. On average green buildings consume 30% less water, 26% less energy and a corresponding reduction in CO2 emissions than conventional buildings.

In this tough economic climate, green buildings have shown to help save money. Studies have shown that an upfront investment of two-percent in green design, on average, results in life cycle savings of 20% of the total construction costs—and the investment is typically recouped within the first two years the building is operational based on energy savings alone. Additionally, water conservation, reductions in construction waste, and effective storm water management generate significant operational savings for the building owner, while also reducing the demand on municipal water supply.

Green building also stimulates the economy by creating a demand for green jobs and workers that can contribute directly to creating a sustainable future. A study by the Political Economy Research Institute and Center for American Policy found the U.S. economy could generate 2 million green jobs in as short as two years stemming from the American Recovery and Reinvestment Act of 2009. Another study by USGBC and Booz Allen Hamilton found that constructing new green buildings or retrofitting existing structures with energy efficient heating and air conditioning, solar panels and the like will support 7.9 million U.S. jobs and pump \$554 billion into the American economy over the next four years.

Building occupants benefit from green buildings as well. One study from the University of San Diego and CB Richard Ellis shows that inhabitants of green buildings have fewer sick days, experience more productivity, and are generally more comfortable which is credited to having access to fresh air, natural light and less dependence on harsh, overhead lighting. The study also found that green buildings have lower vacancy rates and higher rents than compared to non-green counterparts.

Measuring Success

Transforming the built environment does not stop once a building has achieved LEED certification. LEED buildings perform best when coupled with continued evaluation, education and commitment from builders and behavioral changes in building occupants.

Last summer, USGBC launched its Building Performance Partnership (BPP), a program that engages owners and managers of commercial and residential LEED-certified green buildings, to evaluate the performance of buildings through data collection, analysis and action. Earlier this year, USGBC opened the program to all current whole-building LEED-certified commercial and residential projects. BPP will further the efforts to understand how buildings perform beyond a building's initial certification.

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This partnership among USGBC and the thousands of LEED project owners will result in the population of a comprehensive green building performance database and enable standardization of reporting metrics and analytics to establish new building performance benchmarks.

As the developers of LEED, USGBC offers the highest quality education for those seeking to learn more about green building practices and how to implement LEED into their building plans. Courses are available through in-person, LEED Faculty led workshops or online for those who prefer to learn at their own pace. Many USGBC developed courses qualify for continuing education credits that count toward earning and maintaining LEED professional credentials. The information and prestige gained through USGBC education and LEED professional credentials can be leveraged on the jobsite and beyond.

Connect to the Community

The Greenbuild International Conference and Expo is the place to be to learn about the LEED green building certification program and all other USGBC initiatives. Held

in Chicago, Nov. 17–19, 2010, Greenbuild convenes the largest gathering of green building professionals for three days of educational and networking opportunities, as well as a vast exhibit hall filled with champions of and innovators in the green building industry. Tours of LEED-certified buildings are available, offering attendees the chance to see firsthand how LEED is transforming buildings.

To learn more about USGBC and its initiatives, visit www.usgbc.org. **B**



Meaghan Bixby is a communications associate at the U.S. Green Building Council. She holds a Bachelor of Science degree in communications from Appalachian State University in Boone, N.C. Prior to joining USGBC, Meaghan worked in the communications department for a residential building association in Raleigh, N.C.



1. Greenbuild International Conference and Expo. Photo courtesy of USGBC.
2. Boston Children's Museum, LEED for New Construction Gold certified. Photo courtesy of Karin Hansen.
3. Chartwell School, LEED for New Construction Platinum certified. Photo courtesy of Michael David Rose.

Guest Article

Army Uses Job Order Contracting to Develop State-of-the-Art Sustainable Solution

by Mike Halvorson

When the U.S. Army Transportation School at Fort Eustis, Virginia decided it needed to replace two of the wooden bridges on its vast railroad training network, it didn't know it would be making history as well. However, that is exactly what happened when Centennial Contractors Enterprises built the world's first recycled structural composite (RSC) railroad bridges to replace the aging bridges, originally constructed in 1952.

Centennial has worked at Fort Eustis for over ten years under a Job Order Contract (JOC). JOC is particularly well suited for sustainable building because it allows cost effective green solutions and the use of experienced green subcontractors to be implemented in an ongoing construction program. Often these green solutions can be quickly proposed as add alternate solutions to an owner's conventional designs and requirements, allowing the owner to select what makes sense for their needs.

When implementing green renovation strategies at any publicly-funded facility, it's critical to use the right material as well as green knowledgeable and experienced subcontractors. A JOC contractor builds a custom database of materials, subcontractors and solutions for owners that incrementally greens their campuses in the course of renovations.

In this case, Centennial partnered with Axion International and Innovative Green Solutions to utilize new construction materials that met Fort Eustis's need for sustainable solutions. After researching prices of green materials and conventional materials, the green materials became even more attractive thanks to the comparable pricing.

Centennial chose to use design-build to implement the bridge construction quickly and efficiently. Like JOC,

A Job Order Contracting Program Allows for:

- Green sustainable efforts on renovation & repair work
- Cooperative, collaborative development of solutions
- Fast response using best practices in sustainability
- Control on budgets and outcomes of green projects
- Jointly developed detailed green project scopes
- Ability to work with green experienced subcontractors
- Ability to use green building materials
- Green thinking on small, medium and large projects



The new bridges will not require any substantial maintenance over the long term.

this process allowed Centennial and its team of experts to work very closely throughout the entire eight-month construction process. This was especially important as this was the first time anyone had attempted building bridges out of RSC creating a larger than normal learning curve.

RSC is comprised entirely of post-consumer recycled plastic such as milk jugs, detergent bottles, disposable coffee cups and industrial plastics (car bumpers and computer casings). Scientists at Rutgers University in New Jersey invented RSC, melting the different types of plastic in a precise formula that creates a material stronger and more durable than any recycled plastic.

The material proved to be very similar to working with conventional materials such as wood or steel. Crews did not need special tools to work with RSC. In fact, the material proved to be more durable and easier to handle, and didn't require as large of equipment to move it into place.

The completed bridges are approximately 40 feet and 80 feet long. They now support a 130-ton locomotive and are made to E60 weight and speed limit standards, far surpassing the old bridges' E19 and E25 standards. The bridges do not require any substantial maintenance over the long term and have the same life expectancy as those constructed of conventional materials.

The RSC does not leach any toxins into the environment, which will also protect the local wildlife and

people who come in contact with the bridges. Using RSC on these two bridges kept 334,000 pounds of material out of landfills and saved more than 50,000 gallons of gasoline and 496 metric tons of greenhouse gases.

The Army is considering using the material more widely at other locations around the country. Centennial is currently building a pedestrian bridge at Fort Lee using RSC.

This project is a perfect example of how universities, industry partners and federal organizations can come together to create something new and unique. Through the collaborative nature of JOC, a group of creative people have moved new green thinking from concept to reality on time, on budget. **B**



Mike Halvorson is regional operations manager at Reston-based Centennial Contractors Enterprises. More information about the bridges can be found on Centennial's blog, <http://centennialnow.blogspot.com>.



Using RSC on these two bridges kept 334,000 pounds of material out of landfills and saved more than 50,000 gallons of gasoline and 496 metric tons of greenhouse gases.

“Controlling” Energy Consumption

by **Patrick Kunze, PE, LEED® AP**

Even before the introduction of LEED®, engineers and architects working with tenants, developers and building owners worked to reduce the energy consumed by new and renovated commercial office buildings. This has been accomplished through increasingly efficient HVAC systems and lighting designs that have reduced watts per square foot to levels unheard of less than a decade ago.

With some of these honed design strategies beginning to reach the level of diminishing returns, there are new options on the horizon. One of the first projects to openly pursue these new options, the USGBC Headquarters, provides insight into new technology advances in systems controls that are opening a whole new world of possibility for significant energy savings.

While controls are nothing new, two very key elements are beginning to change. First is the mindset about what they can allow designers to do. Second is the technology integrated into them which is opening doors to make nearly anything possible. Concepts that may have been too expensive or complicated to implement just a few years ago can now be accomplished with relative ease.

The largest impact that can be made by a smart controls system relates directly to reducing power consumption by simply only using power when it is needed to make people comfortable. Using controls that communicate with occupancy and lighting sensors in a space receiving sufficient daylight can reduce the lighting power through automatic dimming, and when unoccupied, lights can automatically turn off, the non-critical plug loads can be shut off and HVAC temperature set point ranges can be widened. When the space is occupied, lighting levels and temperature set points can be based on that person's preferences so that energy is not wasted keeping lights brighter than necessary and temperatures warmer/colder than required.

Advances in controls have also made it possible for engineers to confidently design and recommend HVAC systems that are not based around forced air. Water and refrigerant based systems are possible because controls can regulate and monitor conditions to keep temperatures above dew points, eliminating the threat of condensation around the pipes used to deliver air conditioning to the space. Not only does this allow for a more energy efficient conditioning delivery method it also requires much less space inside the walls and ceilings. There is also significant reduction in raw materials used to deliver the same results as forced air systems.

Additional energy savings can be achieved by using an HVAC system with a variable frequency drive (VFD). Essentially this allows the mechanical system to run constantly at whatever level is needed to maintain the desired temperature in the space, scaling up or down based on environ-

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mental factors. Systems that do not have a VFD typically have two speeds: on and off, which often means lots of stopping and starting during periods of extreme weather.

If you are planning to pursue a project that is considering the use of controls to help reduce energy consumption, you should strongly consider adding sub-metering. This typically does not add a significant cost premium and in addition to providing great detail about the impact of the energy efficient measures designed into the project, it also makes it easy to see where energy is going to more efficiently operate and manage the space for potentially even more savings.

Smart design has always been able to reduce a project's energy consumption. New advances in technology and the added emphasis gained from LEED have given project designers more freedom to pursue energy savings. Rising energy costs have also added incentives for owners and developers to give more consideration to a building's projected energy use at the earli-

est project stages. If the project team makes it a priority, today's equipment, design techniques and construction techniques make it possible to construct the most efficient buildings ever. **B**



Patrick Kunze leads the Mechanical Section of GHT's Interior Studio. A LEED® Accredited Professional, Patrick has been involved in the design of over a dozen LEED® CI projects including the U.S. Green Building Council headquarters in Washington, DC, which earned platinum certification. Patrick earned his B.S. in Mechanical Engineering from Bucknell University and his M.B.A. from

George Mason University. He is a licensed professional engineer in Maryland, Virginia and the District of Columbia.

Looking Back Can Help Sustainability Move Forward

Using Brick to Improve Building Performance

by *Alan Richardson and Peter Doo*

Many of us have spent time exploring different building environments as children and adults. Playing in a barn in the summer, exploring a vacant building, or visiting a church recalls not only visual memories, but sensory ones as well. Recall for a moment, the cool relief of a church interior on a hot day, or the warmth and humidity of the greenhouse on a crisp fall afternoon.

The construction materials that these buildings are made of contribute to their behavior in different climates and add to one's sense of comfort, whether thermal, acoustic or aesthetic. Buildings that provide the most stable thermal environment are typically masonry buildings.

Humans have a 3,000 year history with brick. It has been in regular use since the ancient empires of Mesopotamia, Rome and China to today's global societies. There is a reason for this. Many of the ancient structures still visited and studied worldwide today have one thing in common—construction mass. Whether the product used was stone, concrete or brick, the design and construction of the structure had substantial mass to withstand the erosion of time and remain habitable for centuries.

In addition to surviving the ages, ancient structures and pre-mechanical temperature control buildings used masonry construction as “thermal mass” to control interior living temperatures. Even today, most residential and smaller commercial buildings in Italy, for example, do not have air conditioning. Instead, they combine the use of brick and other masonry products, with shading, orientation of windows and shutters to keep their structures temperate.

As architects and contractors now look for ways to reduce energy consumption and construct long-lasting, low maintenance structures, brick should be considered an essential building material. Thanks to features such as thermal mass, durability and flexibility, brick can play a major role in achieving society's current sustainability goals.

Passive Solar Energy Systems and Thermal Mass

Passive solar energy systems do not require mechanical equipment to create temperate interior living conditions. Instead, the systems use the exterior surface of a building façade to regulate the temperature indoors.

Masonry buildings absorb the heat of the sun into the mass of its walls during the day. This helps to stabilize the interior temperature whether it is hot or cold outside. At night, the stored heat radiates to the interior and exterior of the building, once again helping to maintain a stable thermal environment within. While clay brick is a feasible option in many locations, hot and humid environments are more complex requiring greater consideration of all design strategies.

This reduction in the reliance on mechanical heating and cooling systems saves energy throughout the life of the building. Tests conducted by the Oak Ridge National Laboratories of this benefit have shown energy savings as high as 13%.

Guest Article

Durability

Clay brick can last hundreds or even thousands of years. Other than stone there is no other construction product that lasts as long as brick. This construction durability adds value to any property when considering life cycle costs. Masonry durability reduces both the monetary and environmental costs of maintenance as fewer new resources are needed to repair the structure over long periods of time. In addition, the durability of homes and buildings built with brick add a generational sense of community to towns, cities, village and neighborhoods all over the world.

Flexibility and Ease of Use

Brick can be used to achieve sustainability goals in every type of building from single family homes, hi-rise condominiums and office buildings to public institutions. Within a location, it can be used as an interior wall, floor, ceiling, fireplace profile and as a passive solar energy collector. Additionally, bricks are used across the world in every economic region. The abundance of clay, the natural, predominant material in brick, contributes to its universal manufacturing and application.

Humans have always used—and still use—clay brick's thermal mass capabilities as an asset to construct long-lasting livable, attractive structures and can be used to effectively achieve today's sustainability goals, creating a stronger environment for tomorrow. **B**



Alan Richardson



Peter Doo

Alan Richardson is president of Potomac Valley Brick and **Peter Doo**, AIA, LEED AP is president of Doo Consulting. Together, they operate the BrickStainable Design Competition. Email Alan at alan@pvbrick.com and Peter at peter@dooconsulting.net.

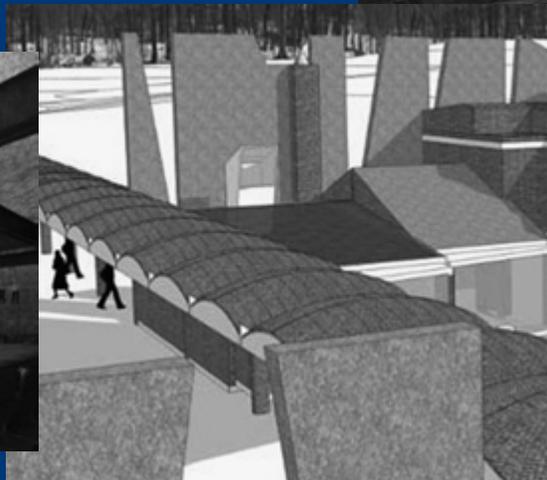
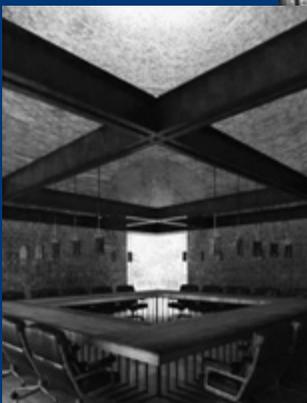
The Net Zero Challenge

The BrickStainable Design Competition raises the bar for integrative design in all areas of the built environment while promoting standards and practices that encourage the use of clay brick as a sustainable material.

Architects, designers, contractors, engineers, material scientists, educators, students and environmentalists are encouraged to submit designs using clay brick as the primary building material for a hypothetical net-zero energy corporate headquarters office in Baltimore, MD.

Registration Deadline: November 15, 2010

Entry Deadline: December 15, 2010. For additional information and to submit an entry, visit www.BrickStainable.com.



Guest Article



Patient Protection and Affordable Care Act

by G. Christopher White, CEBS

After an epic legislative battle, President Barack Obama emerged victorious with the enactment of the most significant piece of social reform in more than 40 years. Because many who could be affected by the new health care overhaul may not fully understand it, a timeline for the legislation may be helpful.

2010

- Starting six months after enactment, the Patient Protection and Affordable Care Act requires all health insurance plans to maintain dependent coverage for children until they turn 26 years old and prohibits insurers from denying coverage to children because of a preexisting condition.
- Insurance companies can no longer put a lifetime dollar limit on coverage and can't cancel a policy except in cases of fraud.

- The act sets up a high-risk health insurance pool to provide affordable coverage for uninsured people with medical problems.
- The new law reduces projected Medicare payments to hospitals and certain other medical providers.
- The act imposes 10 percent sales tax on tanning salons.
- The act begins narrowing the Medicare prescription coverage gap (sometimes called "the doughnut hole") by providing a \$250 rebate that starts this year for insured individuals once they have spent \$2,830. The "hole" would be fully closed by 2020.
- It provides tax credits to help small businesses with up to 25 employees get and keep coverage for their employees.

2011

- The health care act requires employers to report the value of health care benefits on employees' W-2 statements.
- It imposes a \$2.3 billion annual fee on drug makers, a fee that will increase over time.
- The new law freezes payments to Medicare Advantage plans, the first step in reducing payments to the private insurers who serve about one-fourth of seniors. The reductions will be phased in over three to seven years.
- The act creates a voluntary long-term care insurance program to provide a modest cash benefit helping disabled people stay in their homes or cover nursing home costs.

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- It provides a 10 percent Medicare bonus to primary care doctors and general surgeons practicing in underserved areas such as inner cities and rural communities.

2012

- The act sets up programs to create nonprofit insurance co-ops.
- It initiates Medicare payment reforms by encouraging hospitals and doctors to band together in quality-driven “accountable care organizations” along the lines of the Mayo Clinic.
- The new law penalizes hospitals with high rates of preventable readmissions by reducing Medicare payments.

2013

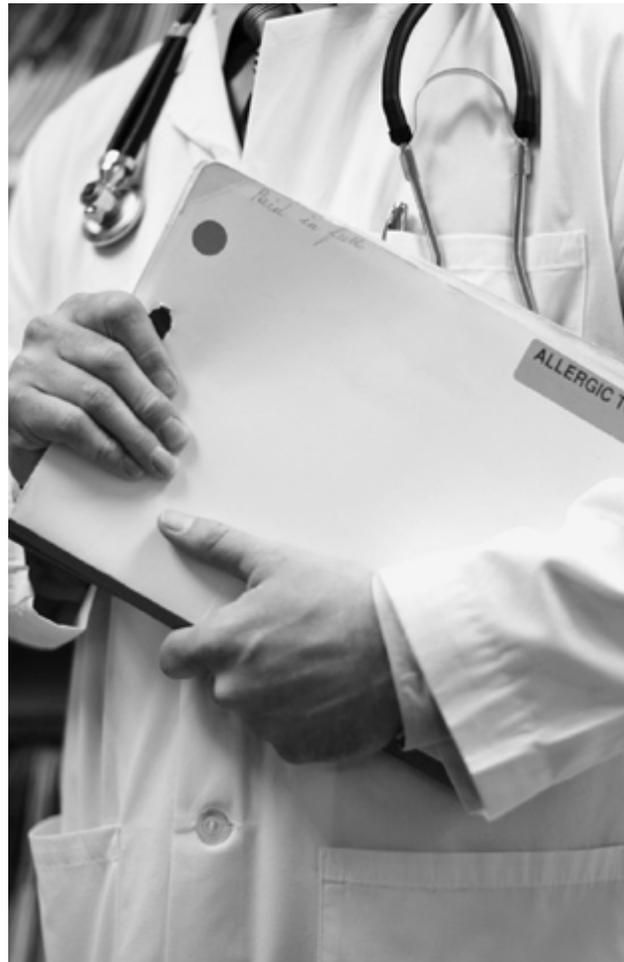
- The act standardizes insurance company paperwork, the first of a series of steps to reduce administrative costs.
- It will limit medical expense contributions to tax-sheltered flexible spending accounts (FSAs) to \$2,500 a year, indexed for inflation. Also, the act will raise the threshold for claiming itemized tax deduction for medical expenses from 7.5 percent of income to 10 percent.
- The act will increase Medicare payroll tax on couples making more than \$250,000 and individuals making more than \$200,000. The tax rate on wages above those thresholds would rise to 2.35 percent from the current 1.4 percent. Also adds a new tax of 3.8 percent on income from investments.
- It will impose a 2.3 percent sales tax on medical devices. Eyeglasses, contact lenses and hearing aids are exempt.

2014

- The Patient Protection and Affordable Care Act will prohibit insurers from denying coverage to people with medical problems or refusing to renew their policy. Health plans cannot limit coverage based on preexisting conditions or charge higher rates to those in poor health. Premiums can only vary by age (no more than 3 to 1), place of residence, family size and tobacco use.
- It penalizes employers with more than 50 employees who do not offer group health coverage. The penalty is \$2,000 times the total number of workers employed at the company with the first 30 employees not counted.
- Most Americans would be required to buy health care insurance or face penalties. Penalties will start at \$95 per person in 2014 and rises to \$695 per person in 2016. States will be required to create health insurance exchanges or supermarkets where individuals and small businesses may buy coverage.
- The act will provide medical subsidy payments for consumers earning up to 400 percent of the poverty level, which is currently about \$88,000 per year for a family of four.

2018

- The new law will impose a tax on employer-sponsored health insurance that is worth more than \$10,200 for individual coverage or \$27,500 for a family plan. The tax will be 40 percent of the value of the plan above the thresholds, indexed for inflation.



2020

- The doughnut-hole coverage gap in Medicare prescription benefit will be phased out. Seniors will continue to pay the standard 25 percent of their drug costs until they reach the threshold for Medicare catastrophic coverage, when their copayments drop to 5 percent. **B**

Christopher White is Vice President of Group Benefits at Atlantic Risk Management, Columbia, Md. He has over 17 years of experience in the Employee Benefits arena. In 2008 he served as President of the Baltimore Chapter of the International Society of Certified Employee Benefit Specialists, and currently sits on its Board of Directors. He also holds a Series 7 general securities license and is a Registered Representative. His email address is cwhite@atlanticrisk.com.

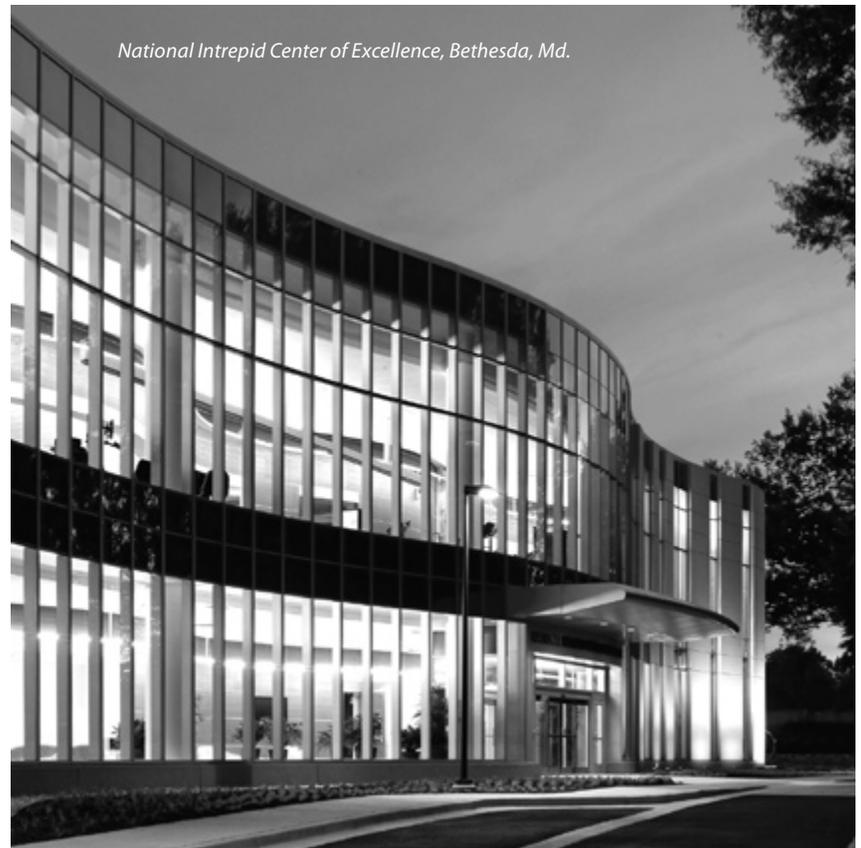
Member Projects



Groundbreaking for South Patient Tower at Inova Fairfax Hospital Campus, Fairfax, Va.

Turner Construction Company, the nation's leading healthcare builder, has been awarded a contract by **Inova Health System** to provide general contracting services for the construction of the South Patient Tower located in Falls Church, VA on the Inova Fairfax Hospital Campus. The Inova Health System is expanding the Fairfax Campus with the 2015 Capital Improvement Program. This program consists of three main projects, the first being the South Patient Tower. This project is composed of a 236,000 square-foot, 11-story addition to the existing Tower Building, and will provide 174 medical-surgical, ICU and specialty beds in single patient rooms. In addition, shell space on the lower levels will accommodate future support services. The South Patient Tower project will pursue LEED® Silver Certification. Turner began construction in Summer 2010.

Additionally, **Turner** has successfully completed the **National Intrepid Center of Excellence (NICoE)** located on the National Naval Medical Center campus in Bethesda, Md. The NICoE is a research, diagnosis and treatment center for service members with diagnosed traumatic brain injury (TBI) and psycho-



Member Projects



Joseph-Beth Booksellers, Fredericksburg, Va.

logical health conditions. The Intrepid Fallen Heroes Fund, the National Naval Medical Center and 5,000 wounded warriors and their families recently helped to dedicate the facility in a ceremony that included a ribbon-cutting and military flyover. Turner managed construction of the 72,000 square-foot NICoE, which will provide advanced medical care and services for wounded warriors with TBI and psychological health conditions. In addition, the center will conduct research, test new protocols and provide comprehensive training and education to patients, providers and families while maintaining ongoing telehealth follow-up care. Turner met the aggressive, 15-month construction schedule that was coordinated with ongoing redevelopment of the National Naval Medical Center Campus. In conjunction with this project, Turner brought utilities from across the campus to the new NICoE building. Design development was a collaborative process, which resulted in a \$65 million Guaranteed Maximum Price that maximized the owner's budget.

Finally, **Turner Interiors** is pleased to announce the completion of a **Joseph-Beth Booksellers** store project located in

Fredericksburg, VA. The project consisted of a 26,000 square-foot interior fitout for a bookstore. Fitout includes new high end finishes for millwork, flooring and accent ceilings. The project also includes a new cafe, refrigeration units to provide a full range of food services, an event center, marketing offices and lounge.

September 2012 might seem like a ways off to most people, but for **Frost Miller Group (FMG)** and the organizers of **MINExpo INTERNATIONAL® 2012** at National Mining Association (NMA), there's no time to waste for show promotion. FMG launched a two-year marketing campaign for the quadrennial trade show to be held in Las Vegas, September 24–26, 2012. It showcases the latest equipment and technology and offers education on safety, efficiency, and other mining industry topics. More than 30,000 people from more than 100 countries will visit the 500,000-square-foot of exhibit space at MINExpo. MINExpo is a huge show where many of the exhibitors unveil new products and services so the lead time is very important for planning purposes. In addition, the exhibitors bring the very large equipment and the

logistics associated with the set-up takes a lot of time. FMG launched the exhibitor marketing campaign in June and started design on the 2012 website. It will begin to promote the show to attendees in 2011. This is the third MINExpo for which FMG is handling promotions. The last expo, in 2008, saw nearly 40% increases in attendance and exhibit space. FMG will rethink a lot of the 2008 strategy, adding more video, web and other digital marketing techniques into the mix.

The **Whiting-Turner Contracting Company**, and **WDG Architecture** have been selected as the design-build team for the West Grace Street Student Housing and Laurel Parking Deck projects at Virginia Commonwealth University (VCU). The Whiting-Turner/nbj/WDG project team has embraced the university's goal of creating contextually responsive architecture in its design concept with the careful insertion of the West Grace Street Student Housing and Laurel Parking Deck into the urban fabric. A primary element of the project is providing a living/learning environment. A study center is provided at the ground level and each floor has communal and study spaces. The building's entrance is noted with a sculptural steel and glass trellis, adding a classic academic "front porch" to the university's urban pedestrian environment. A dynamic entrance sequence focuses on the building's two private courtyard gardens. The ground-level plan orients residents and visitors toward the courtyards, thus creating a strong indoor/outdoor relationship between the ground-level commons areas and the landscaped courtyards. The primary façade on West Grace Street is "bookended" by towers and a pavilion expression at the corner. To establish an appropriate human scale, the massing strategy not only breaks down the overall mass of the building horizontally, but a tripartite elevation expression breaks down the vertical scale of the building as well. The building's ground level features large retail storefronts. The West Grace Student Housing community will have 122 dwelling units with 459 beds, totaling 162,000 square feet. The Laurel Parking Deck will have 212 spaces with 6,360 square feet of retail for a total of 98,675 square feet. The student housing will be designed to meet

Member Projects



Reed School/Westover Library, Arlington, Va.

LEED-NC Silver certification. Additional team members include SK&A Structural Engineers and ECS Mid-Atlantic for geotechnical engineering.

Grunley Construction Company is pleased to announce that its work as general contractor on the **Reed School/Westover Library** project has earned a LEED® NC 2.0 Gold certification from the U.S. Green Building Council. Grunley renovated the existing Reed School in the Westover neighborhood of Arlington to become a community library, and public gathering space. The project was constructed under joint ownership of Arlington Public Schools and Arlington County. The facility was completed and dedicated in October 2009. Of the 39 points required by US-GBC to achieve LEED Gold, the Reed Westover facility received 40 points, using the following strategies, an energy efficient design with natural lighting to reduce energy costs and impact on the environment, conveniently located bike racks, facility located within 1/4 mile of four public bus lines and approximately a mile from the Falls Church Metro station, materials, paints and

finishes that emit lower volatile organic compounds (VOC), recycling 90% of construction waste, parking spaces reserved for hybrid cars, and showers for bicycle commuters in the school and library. It's been called the new centerpiece of the city of Alexandria, Va. It is the new multi-story **Department of Defense (DoD) administrative complex**. The facility is the tallest structure in the region and tallest project ever erected by the U.S. Army Corps of Engineers. What isn't as obvious is something that may be more impressive. This is the Army Corps' first project of this size working for LEED Gold Building certification and the only one in the region that will save 30 percent of the energy of a traditional complex and save taxpayers millions.

In March 2009, the Army Corps' New York District began constructing the design-build complex located at the Mark Center in Alexandria, in partnership with Clark Construction. The complex will be home to multiple DoD agencies and will also include the Washington Headquarters Services. The project implements the 2005 Base

Closure and Realignment Commission Recommendation #133 and when completed in September 2011 will become a part of Fort Belvoir. The new 1.7 million square foot facility, designed by **HKS Architects**, sits on a 16-acre campus and when construction is completed will be comprised of two multi-story towers—15 stories and 17 stories, two parking garages, a visitor center, remote inspection facility and a public transportation center that will service the Mark Center and surrounding community. The City of Alexandria and other team members stressed the importance of making this complex certified LEED Gold and the Army Corps made this their mission. The following features are estimated to save 30 percent energy.

Indoor Lighting—The team is taking measures that will ensure all of the DoD personnel will have adequate lighting that also saves energy. The entire complex will have Light-Emitting Diode (LED) and fluorescent lighting that will cost a bit more to purchase upfront, but will reap savings down the road because this type of lighting requires less electricity to run and LED and fluorescent light bulbs last more years than typical bulbs. The use of these lights will be conserved with the use of room occupancy sensors that will automatically turn lights on and off depending on if a room is occupied. Natural lighting is also going to be utilized to the fullest. The complex is being constructed with large shatter-proof windows that will allow a lot of outside light into the building. To help distribute this light, work stations inside the complex will be built with low cubicle partitions to make sure there is adequate light sharing throughout the building.

Indoor Air Quality—Low cubicle partitions will also help to facilitate air circulation and improve air quality, which is also a goal of the team. The complex will have an energy efficient central air system that will keep the indoor air comfortable year-round for the personnel. To promote conservation, the complex's large windows will be highly insulated to prevent air from leaking outside the building. Fresh outside air is also necessary to have healthy indoor air quality. A system will

Member Projects

be put in place that will enable personnel to allow fresh outdoor air into the building, without wasting energy. The team is also constructing green roofs on top of the complex's Visitor's Center and Remote Inspection Facility. Green roofs—rooftops with vegetation—hold in warm indoor air during the winter and keep building interiors cool during the warmer months. Another way the team is keeping indoor air comfortable is by installing special roof tops on some of the structures that will reflect the sunlight away from the buildings, keeping indoor air cool during the warmer months. Indoor air toxins are also a threat to air quality and the team is taking measures to minimize this issue. One of the ways they are doing this is by using paints, carpets, and wooden furniture that emit lower levels of toxic fumes. After the structures are painted, carpeted and have their furniture, the team will air out the structures before the DoD personnel occupy the space. In addition, the DoD will use low-toxic cleaning products inside the building after they move in.

Water Efficiency—The complex will use almost 50 percent less water than a traditional building of the same size—a savings of 4.5 million gallons of drinking water annually. To accomplish this, low flow faucets, urinals and shower heads will be used inside the complex. Outside the complex they will be no landscape irrigation. Only drought tolerant native plants will be planted. The team is also constructing a bioswale outside most of the main structures. Bioswales are basically ditches that catch rain water and slow the water runoff from the site and capture sediment and contaminants before they go into the storm drains.

Recycling—When the project is completed in September 2011, it is estimated that six million pounds or 75 percent of construction waste will be recycled and not placed in disposal sites. The team is also recycling some of the trees they had to remove in order to construct the complex. They are taking the wood from these trees to create wall paneling for some of the complex's interior. Recycling will continue once residents are in the building. Residents

will be provided with a 500 square-foot recycling area in their loading dock.

Transportation—The DoD agencies occupying the complex will encourage employees to take alternate ways to commute to work that will save energy and reduce pollution. They will provide special parking for van pools, carpools and fuel efficient hybrid vehicles in the complex's two parking garages and providing 300 bicycle racks and showers for bicyclists. The complex will also have its own mass transit center with access to the Metro Bus, Dash Bus and DoD Shuttle services.

Monarc Construction of Falls Church, VA has been awarded the renovation and construction of a multi-purpose addition to the **Polish Ambassador's Residence** on Whitehaven Street, NW. The project is scheduled to be completed in time for Poland to assume the Presidency of the European Union in July 2011.

Additionally, Monarc has just completed the historic renovation of the **Embassy of Argentina**. Monarc has been awarded the next phase of the Argentina Ambassador's Residence. **B**

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- 5 The Metropolitan at Pentagon Row, Arlington, VA
- 6 Holy Cross Hospital Additions and Renovations, Silver Spring, MD

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New Members

Companies

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Representative: **Anthony Barton**

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and **Karli Simmons**

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Representatives: **Kevin Edwards**
and **Gregory Seldon**

Company Profiles

Black & Veatch

Black & Veatch is a leading global engineering, consulting and construction company specializing in infrastructure development in energy, water, telecommunications, management consulting, federal and environmental markets. Founded in 1915, Black & Veatch develops tailored infrastructure solutions that meet clients' needs and provide sustainable benefits. Solutions are provided from the broad line of service expertise available within Black & Veatch, including conceptual and preliminary engineering services, engineering design, procurement, construction, financial management, asset management, program management, construction management, management consulting and infrastructure planning. With \$3.2 billion in revenue, the employee-owned company has more than 100 offices worldwide and has completed projects in more than 100 countries on six continents. The company's web site address is www.bv.com.

Gilbane Building Company

Gilbane Inc., based in Providence, RI, is one of the largest privately held family-owned companies in the construction and real estate industry. Proudly family-owned and operated since 1873, our rich history combines with our extensive knowledge of today's ever-changing demands allowing us to deliver the best facility solutions for our clients. We are steadfast advocates for our clients, our employees and the communities in which we work. Through community involvement, sustainable business practices, and unwavering integrity, we are always striving to be better and do better. We're honored to report that FORTUNE ranked Gilbane Inc. as one of the "100 Best Companies to Work For" list for the 2010—the second year in a row! Gilbane Inc. comprises two operating companies: Gilbane Building Company and Gilbane Development. These two often work jointly as one company to provide integrated expertise in finance, development, planning and construction.

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Since 1976, Potomac Valley Brick (PVB) has been the leading masonry supplier in DC, Maryland and Northern Virginia. PVB will continually strive for excellence by providing unparalleled customer satisfaction, the convenience of multiple locations, a comprehensive range of competitive options, as well as an experienced team. Our unrelenting commitment to success makes Potomac

Valley Brick the foremost distributor in the industry, leading the markets we serve and contributing to the betterment of the community.

Rosendin Electric

Rosendin Electric Inc., headquartered in San Jose, CA is a 100% employee-owned electrical engineering, power and communications provider and is the largest privately held electrical contractor in the United States. With branch offices in San Francisco, CA; Los Angeles, CA; Sacramento, CA; Tempe, AZ; Hillsboro, OR; Las Vegas, NV; and Arlington, VA, 2,000 employees have built upon a 90-year reputation for quality installations nationally. To achieve their growth strategy of further geographic expansion, Rosendin Electric recently completed the acquisition of Texas-based, KST Electric. For additional information, visit www.rosendin.com.

Specialized Engineering

Established in 1992, Specialized Engineering provides consulting engineering services in the areas of Construction Materials Testing & Inspections, Geotechnical & Forensic Engineering, and Environmental Consulting. Now in our 18th year of service, we offer our clients the stability and integrity necessary to successfully complete the most complex to simplistic of projects in DC, DE, PA, VA and WV by providing the engineering and management expertise to perform quality services within specifications, time-frames and budgetary constraints. Specialized Engineering consists of over 90 professional engineers, geologists and construction inspection and laboratory technicians with an average length of industry service of 14 years, multiple USACE validated/AASHTO accredited full-service laboratories and satellite locations in the Mid-Atlantic region, along with a web-based, real time reporting system that is utilized on every project. Specialized Engineering is continuing to expand and develop operations to achieve the needs of our dynamic industry. Our employee-owned (ESOP) firm has an impressive record of achievement and average of 20% annual growth since its inception. Our ownership culture enhances company responsibility and accountability resulting in benefits for the employee, company, and most importantly, the client. For more information about Specialized Engineering, visit www.specializedengineering.com.

WBC Community Services Committee
2010 Community Volunteer Opportunities

FOOD & FRIENDS



219 Riggs Road, NE
Washington, DC
www.foodandfriends.org



3rd Saturday Monthly - 10:00 a.m. to 12:00 p.m.

Help prepare and package, meals for and delivers meals and groceries to more than 1,400 people living with HIV/AIDS, cancer and other life-challenging illnesses throughout the Washington area.

Please see the website for directions and important information.

The mission of Food & Friends is to foster a community caring for men, women, and children living with HIV/AIDS, cancer, and other life-challenging illnesses by preparing and delivering specialized meals and groceries in conjunction with nutrition counseling. Food & Friends' services are made possible with the help of more than 11,000 volunteers annually who have fun while giving just a few hours on a weekly, bi-weekly, or monthly basis. Individuals, schools, social groups and corporate and faith-based teams contribute in many ways. They could not exist without their incredible volunteers.

The WBC Community Services Committee has scheduled a 2-hour shift to help package meals, and do other kitchen tasks. Can you lend a hand? We have space for 10 volunteers on the 3rd Saturday of each month from 10:00 a.m. to 12:00 p.m. *Kitchen volunteers must be at least 14 years old.*

Volunteer Sign-Up Form

Name _____ Date(s) _____ Name _____ Date(s) _____

Name _____ Date(s) _____ Name _____ Date(s) _____

Company: _____ 3rd Saturdays: ~~7/17, 8/21~~, 9/18,
10/16, 11/20, and 12/18

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____ Email: _____

Please Reply By Fax To 202.429.1922

Cancellation: Please call the WBC office no later than one week prior to the day you volunteer if you or someone else from your firm is not able to participate. This will assist greatly with planning for the day's activities. Thank you.



Washington Building Congress
1620 I Street, N.W., Suite 810
Washington, D.C. 20006
202.293.5922 Fax: 202.429.1922
www.wbcnet.org



WBC Calendar & Advertising Information

Events Calendar

September

- **September 15**, 4:00 – 8:00 p.m.
Board of Directors Meeting & Dinner,
Capital Grille, Washington, D.C.
- **September 18**, 10:00 a.m. – 12:00 p.m.
Community Services — Food & Friends
- **September 24**, 7:30 – 9:10 a.m.
Board of Governors Meeting,
Columbia Country Club, Chevy Chase, Md.
- **September 30**, 5:30 – 8:00 p.m.
Fall Kickoff and Installation,
Columbia Country Club, Chevy Chase, Md.

October / November

- **October 16**, 10:00 a.m. – 12:00 p.m.
Community Services — Food & Friends
- **November 20**, 10:00 a.m. – 12:00 p.m.
Community Services — Food & Friends

December

- **December 14** 6:00 – 8:30 p.m.
Holiday Party, Congressional Country Club,
Bethesda, Md.
- **December 18**, 10:00 a.m. – 12:00 p.m.
Community Services — Food & Friends

2010 Editorial Calendar

The **Bulletin** covers issues of importance to the building industry, news about WBC members and information about upcoming events. The topics listed below will be covered as feature articles in upcoming issues of the **Bulletin**. Persons interested in contributing information or advertising should contact WBC before the third week of the month preceding the issue. To place an ad, submit material or for more information call **(202) 293-5922**.

January

Member Charitable Giving

February

Effective Urban Planning

March

Green Building

April

54th Annual Craftsmanship
Awards

May/June

Industry Legal Issues

July/August

Rebuilding Together

September

U.S. Green Building Council

October

Economic Update
and Outlook

November

TBD

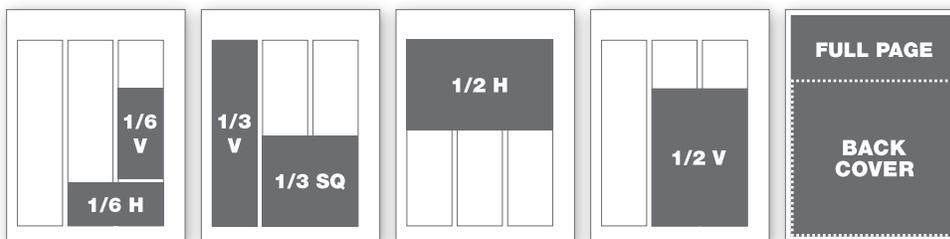
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Inside Front Cover	\$730	\$590	\$480
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Back Cover	\$830	\$670	\$540

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Non-member Rates:			
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Full-page	\$851	\$689	\$554
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1/3 vertical	2.1" w x 8.6" h
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1/2 vertical	4.43" w x 6.38" h
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