

The Official Publication of the Washington Building Congress | June/July 2013

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## 2013 Rebuilding Together p.8

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# Bulletin

#### June/July 2013

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:**



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In this issue of the *Bulletin* we are featuring the 2013 WBC Rebuilding Together Workday and proudly recognizing the many dedicated individuals and firms who helped make this worthy initiative successful. I would like to extend special recognition to the Community Services Committee, Chair Sarah Farrar (Mark G. Anderson Consultants), House Captain and Vice-Chair Jane Cherney (McCoy Associates), and Safety Coordinator Cheryl Moy (Perkins+Will).

On April 27, the Community Services Committee hosted this year's very gratifying Rebuilding Together project. The committee successfully coordinated the efforts of over 50 volunteers represented by 20 firms

contributing over 400 volunteer hours. We also received over \$40,000 of in-kind contributions from Boston Properties, Dynalectric Company, GPR, Inc., HITT Contracting Inc., Lehman Smith McLeish, Maurice Electric Supply, McCoy Associates, rand\* Construction Corporation, Ruppert Landscape, Inc., Sherwin-Williams, W.E. Bowers, Inc., and Ken Ellis (Gordon). With the help of all involved, two very worthy homeowners are now enjoying a considerably improved quality of life. This year, in addition to the assigned Rebuilding Together house, we were honored to also help a disable Vietnam veteran living in the same neighborhood. Congratulations to everyone involved with these special community service projects and thanks again to House Captain Jane Cherney for her outstanding leadership and dedication!

Please also take a moment to review the 76<sup>th</sup> annual WBC Golf Outing profile recognizing our outstanding sponsors and tournament winners. Over 400 industry supporters came out for a somewhat challenging day of golf followed by a tremendous awards reception at The Golf Club at Lansdowne. Thank you to the Golf Outing Committee, Co-Chairs Steve Skinner (Suffolk Construction) and Mike Sloan (BE&K Building Group), and Board Liaison Mike Baruccheri (Tishman Construction Corporation), for a job well done once again.

The WBC Spring Networking and Architects Showcase were held on June 20 at Spider Kelly's in Arlington with over 200 in attendance. Many thanks to our showcase participants Bowman Consulting Group, Clark Nexsen, Cooper Carry, Gordon Landscape Architecture, Hofmann Associates and United Design Build. This well received event was brought to you by the Program and Education Committee, Chair Charles Huntley, Jr. (Bowman Consulting) and Vice-Chair Dan Alexander (Grunley Construction). Please be sure to join us for the popular Summer Networking at Cactus Cantina on August 15.

The 75<sup>th</sup> Anniversary Celebration and Fall Kickoff Installation will be held on September 26 at Columbia Country Club. The Nominating Committee is seeking recommendations for FY'14 Board members who will take office on October 1. Nominations are due no later than Friday, August 16. An official notice will be distributed at the end of August announcing the slate of candidates. The election of the new Board of Directors will take place during annual membership meeting at the Fall Kickoff in September. This year's Nominating Committee will be chaired by Past Chairman of the Board Paul Mella. Please mark your calendars now for the 75<sup>th</sup> Anniversary Celebration and Fall Kickoff on September 26.

I look forward to seeing you at Cactus Cantina on August 15 or another upcoming event. Thank you for your active participation and ongoing support of the WBC!

Best regards, -a.Kl.

/ Jim Klein WBC Chairman of the Board



#### Donohoe Companies promotes Barry to Corporate Vice President of Operations



The Donohoe Companies, Inc. is pleased to announce that David E. "Butch" Barry Jr. has been promoted to corporate vice president of operations. In this position, Barry will

David E. Barry Jr.

be responsible for operations of two divisions of The Donohoe Companies; Construction, and Facilities Management through Complete Building Services.

Barry joined The Donohoe Companies in 1986 and has worked in various capacities throughout the years. Most recently, Barry served as president of Complete Building Services where he oversaw building operations and maintenance services. Barry's expertise has been integral in obtaining major facilities management contracts with the federal government and premier commercial clients.

## Eight Ober|Kaler Lawyers Named D.C. "Super Lawyers"

Eight **Ober|Kaler** attorneys have been selected for the 2013 edition of D.C. Super Lawyers. Super Lawyers is a ranking of outstanding lawyers from over seventy practice areas who have attained a high degree of peer recognition and professional achievement. The selection process is multi-phased and includes independent research, peer nominations, and peer evaluations.

The following lawyers were recognized: Harold G. Belkowitz, Business Litigation; William E. Berlin, Antitrust Litigation; John J. Miles, Antitrust Litigation; Patrick K. O'Hare, Health Care; Stephen D. Palley, Construction Litigation; Gina L. Simms, Criminal Defense: White Collar; Steven R. Smith, Health Care and Barbara G. Werther, Government Contracts.

#### PSI Announces New Hires and Promotions

**PSI** is pleased to announce new hires.

Benjamin Cross has joined PSI's Herndon operations office as a project engineer. Cross earned his Bachelor's and Master's in Civil Engineering from the University of Delaware and his Doctorate in Civil Engineering from Virginia Tech.

Aaron Wells, EI, has joined the US Route 460 Special Project as staff engineer and is based in the Chesapeake operations office. Wells has a Bachelor's in Civil Engineering from North Carolina State University-Raleigh.

Nand Kaushik, PE, PMP, has joined the Fairfax operations office as the environmental services department manager. Kaushik earned his Bachelor's in Chemical Engineering from the Indian Institute of Technology and his Master's in Environmental Engineering from the University of Maryland.

PSI is pleased to announce that Alex "Tucker" Hunter has been promoted to Staff Engineer with the US Route 460 Special Project. Hunter is a graduate of Old Dominion University with a Bachelor's in Civil and Environmental Engineering. Hunter has been with PSI since March 2013 and is based in PSI's Chesapeake operations office.

#### Krooth Promoted to President at Dominion Electric Supply Company

#### **Dominion Electric Supply Company,**

**Inc.** is pleased to announce the promotion of Stephen Krooth to president. Krooth received his Bachelor's at the University of Wisconsin and his law degree from George Washington University School of Law. In addition to practicing law, Krooth previously spent over ten years working on Wall Street as a managing director in the field of commercial real estate finance. Krooth will continue to ensure that the company remains privately owned and independent.

#### Kovars, Wolf and Werther of Ober|Kaler named in 2013 International Who's Who of Construction Lawyers

The law firm **Ober|Kaler** is pleased to announce that Joseph C. Kovars, John Anthony Wolf, and Barbara Werther of the firm's Construction Group have been selected for inclusion in the 2013 edition of The International Who's Who of Construction Lawyers. The reference guide, published by Law Business Research Ltd., identifies foremost practitioners of construction law, basing inclusion on comprehensive research.

Kovars is a co-chair of the Construction Group in the firm's Baltimore office. An experienced civil litigator, he concentrates his practice in construction and public contracts law. He represents contractors, subcontractors, sureties, and owners in contract formation and construction disputes involving many types of construction projects, including hospitals, schools, telecom, process plants, power plants, multifamily housing projects, commercial buildings, highway and bridge construction, and site development.

Wolf is chair of Ober|Kaler and a principal in the Construction Group in the Baltimore office. He has nearly four decades of experience in construction law and represents clients in domestic and international power, industrial, economic development, public works, and commercial projects.

Werther is a principal in the Construction Group in the Washington, D.C. office and has more than 30 years of experience in construction and government contracts law. She is co-founder of the Women in Construction Conference, a program held annually in Washington D.C. since 2006, and featuring the most wellrespected women in construction as panelists. She is one of only 15 women named in the The International Who's Who of Construction Lawyers.

## Cantrill Promoted to President of Welch and Rushe, Inc.

Welch and Rushe, Inc. is pleased to announce that James Cantrill has been promoted to president as of Thursday, April 25, 2013. The award winning contracting company out of Upper Marlboro, Md. has been providing outstanding services to their customers since 1966. Since its beginning, the company has undergone many improvements to keep pace with the ever changing industry.

Cantrill has been in the mechanical contracting trade for nearly 40 years. He started his long career at the UA Mechanical Trades School in Dayton, Oh., graduating in 1976 at the top of his class. During his time in the industry he received both Plumbing and HVAC Masters licenses. He has also been an active participant in associations providing education and growth in the industry. He will continue his active involvement in local and national chapters of the AGC, MCAA, WBC, and ASA.

Cantrill joined the Welch and Rushe team in 2002 as a project manager. His strong leadership skills and consistent dedication to the needs of the company and employees made him well suited for the role of vice president of project management, which he earned in 2008. As he continued to demonstrate his exceptional abilities, Cantrill was promoted to senior vice president in 2011. Now as president, he will continue to maintain a very handson level of management of the large construction and service divisions, in addition to the oversight of the company.

#### SIGAL Construction Corporation Brightens Lives at Group Home

**SIGAL Construction Corporation** and GCS, Inc. with a generous donation from Merrifield Garden Center, tackled a group home in Arlington, Va. for a Spring landscaping project.

The landscaping and improvements at the Arlington Group Home included the cutting back of overgrown vines and weeds, planting of trees and flowers, and creating a small vegetable garden with mulching throughout.



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#### GPI celebrates "Bring Your Child to Work Day"

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Rockville, Md. office had the pleasure of working with 14 children who accompanied their parents, aunts, uncles, and grandparents to work for their "Bring Your Child to Work Day." GPI staff planned a fun-filled schedule packed with engineering activities for the day. The children conducted a site survey/scavenger hunt, assisted with a lighting take off, and toured the pump room and cooling tower area with the building engineer. They also created their own "ductwork robots" out of cardboard boxes, flex ductwork, and duct tape and used them to display the basics of an air distribution system. Mechanical staff members used a space heater to show the kids how to control air temperature before moving it through ducts. The children also built their own bridges and houses out of pretzel sticks and giant marshmallows using a Revit model as a guide. GPI staff was thrilled to spend the day with a great group of kids.

#### New Hires and Promotions at Insurance Associates

**Insurance Associates** is pleased to announce the hiring of Kristy Kuykendall as personal lines account executive. Kuykendall started her career as an Insurance agent for USAA and moved into the Independent Insurance market. She has extensive knowledge of the Insurance marketplace and has been working with high net worth personal lines clients for several years. Kuykendall's strength is in understanding the unique needs of her clients and ensuring that they are able to maintain the highest quality coverage. She does this by delivering exceptional products and services to business owners and individuals around the world. She has earned the designation Certified Insurance Counselor (CIC) and Certified Insurance Service Representative (CISR). Kuykendall will represent the personal lines department at IA which is based in the Fairfax Office.

Katie Baker has been promoted to assistant client service advisor. Baker joined Insurance Associates in December of 2006 as the office support specialist of the Virginia office. Her role encompassed answering phones and other clerical duties. Through the years, Katie has provided exceptional support to both the P&C; and benefits department all while taking on more responsibilities. She will be part of the benefits team in the role of assistant client service advisor.

Katie Ball has been promoted to select accounts manager in addition to being a client service advisor. Ball joined the benefits department with Insurance Associates in October 2007. She has served as client service advisor supporting benefits consultants and working closely with clients, carriers, and third party administrators on new business acquisitions, renewals, marketing, claims, and customer service issues. Ball has recently been promoted to select accounts manager and will focus on benefits sales and retention in a select, niche market in addition to continuing to fill the role of client service advisor.

Christine Westcott has been promoted to senior client service advisor. She joined the benefits department as a client service advisor with Insurance Associates in May of 2007. Due to six years of exemplary work for IA and their clients, she was recently promoted to senior client

service Advisor. She works directly with benefits consultants to design quality cost-effective employee benefits programs. As a senior client service advisor, she will be taking on a new leadership role in the training and development of new department staff. She holds the distinguished CEBS designation with three distinct areas of specialization: group benefits (GBA), retirement plans (RPA), and compensation management (CMS).

#### Murray promoted at Skanska USA



Skanska USA

announced the promotion of Jessica Murray to head of communications and marketing for Skanska Infrastructure Development North America. In her new

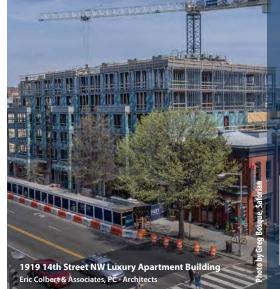
Jessica Murray

position, Murray will lead all communications activities for Skanska Infrastructure Development North America, supporting the company's growing PPP portfolio as it continues to offer innovative solutions designed to improve, create, and deliver complex, resilient infrastructure nationwide. Murray will coordinate and lead all public affairs, media relations, branding, marketing, and advertising efforts to ensure Infrastructure Development North America is well-positioned to both build upon and preserve its strong stakeholder, community, and client relationships.

Previously, Murray led communications for the Southeast Region in addition to spearheading key employee engagement, branding, and safety initiatives for Skanska USA as well as major launches such as Skanska's Commercial Development business in the U.S. and the industry-leading, safety website Injury-Free Environment<sup>®</sup>.com.

Murray will report directly to Karl Reichelt, executive vice president for Skanska Infrastructure Development North America, while continuing to serve as a member of Skanska's national human resources and communications teams, as well as its global infrastructure development communications team.

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#### Grunley Construction Launches Co-op Education Partnership

On June 11, 2013, Grunley Construction Company, Inc., a large Washington metropolitan area general contractor, signed a new cooperative education agreement with the Universities at Shady Grove (USG) that will provide students in the University of Maryland Eastern Shore's (UMES) Construction Management Technology program hands-on training with the construction firm. Leaders from Grunley, the UMES School of Business and Technology, and USG signed a memorandum of understanding to formalize a partnership aimed at providing "meaningful, co-curricular learning opportunities for students, while growing a diverse talent pool of candidates for Grunley's employment pipeline." USG is a regional campus of the University System of Maryland, which offers academic programs in collaboration with nine state universities, including UMES in Princess Anne. Grunley's headquarters is in Rockville, less than a mile from the USG campus in Montgomery County.

Among the stated objectives in the newly forged pact between UMES, USG and Grunley are the following:

- Support and promote student recruitment, internships, career development and employment in the field of Construction Management.
- Develop educational and engagement activities beneficial to UMES, USG, and Grunley.
- Prepare and empower students to achieve their professional and career related goals through collaborative and innovative experiential learning programs.
- Prepare students to become future professionals, while also meeting the evolving workforce needs of Maryland, Montgomery County, and the surrounding region.
- Identify and develop a highly qualified talent pool for sustainable employment with Grunley.

In order to apply for the co-op program—in which eligible students will be able to earn both an hourly wage from Grunley and academic credit from UMES, students must be currently enrolled in the UMES Construction Management program at USG, as a junior or senior, with an appropriate grade point average. Participating students must also go through an established pre-screening process conducted by USG's Career and Internship Services Center. Upon successful completion of required work, UMES will award participating students with two credits for every 240 hours worked. The students may receive up to four credits maximum through this coop program. Other opportunities for participating students will include the chance to earn a book scholarship from Grunley upon placement in the program; a monetary bonus for successful completion of each of four departmental rotations within the company; certification opportunities; and professional development, including an assigned mentor from the Grunley team.



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#### 161 Graduate from JATC's Apprenticeship Program

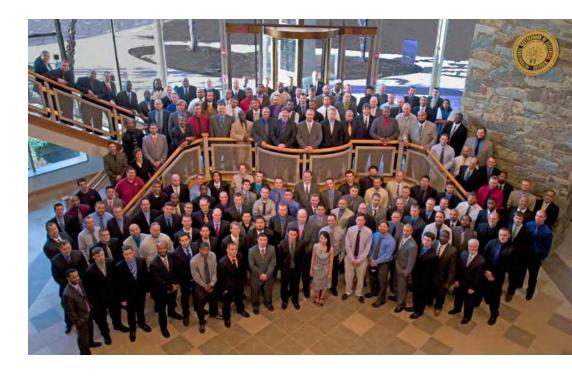
The **Joint Apprenticeship Training Committee (JATC)** in Lanham, Md. recently celebrated the graduation of 161 students. These men and women, 16 of whom are military veterans, completed the electrical apprenticeship program and became Journeyman Electricians.

The 67<sup>th</sup> Annual Graduation Ceremony, that took place at Martin's Crosswinds in Greenbelt, Md., recognized 156 students who graduated from the JATC's five-year Inside Wireman program. Graduates from this program completed over 800 hours of classroom instruction and 8,000 hours of supervised on-thejob training over five years. Five students graduated from the three-year Telecommunications program and an additional ten Residential Wireman were upgraded to Inside Journeyman.

The apprenticeship is a challenging program that combines classroom learning with on-the-job experience—all while being paid. JATC Director, David McCord the value of the program including recognition by President Obama who visited the JATC facility in 2010.

Valedictorian Jason Wright praised the skills and values gained through the program. Wright graduated with an average of 97.17 percent on his tests and only missed one day in five years. Unlike many of their contemporaries, Wright and his fellow graduates will earn \$84,800 a year plus benefits with no student loans to pay off as Journeyman Electricians.

The JATC is sponsored by the Electrical Alliance, a cooperative effort between the Washington, D.C. Chapter of National Electrical Contractors Association (NECA) and the International Brotherhood of Electrical Workers (IBEW), Local 26.



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## Feature Article



## **2013 Rebuilding Together Project** WBC Community Service Workday

Ashington Building Congress members and colleagues proudly participated in the 25<sup>th</sup> annual Rebuilding Together National Workday on Saturday, April 27. The WBC projects were headed up by House Captain Jane Cherney (McCoy Associates), with assistance from the Community Services Committee and Chair Sarah Farrar (Mark G. Anderson Consultants). Thank you to all of the outstanding volunteers and supporters of this annual WBC community service project. The group once again went well above the typical scope of work to accomplish this rewarding mission. This year we also voluntarily adopted a second home in the neighborhood in order to assist a terminally ill Vietnam veteran.

We would like to provide special recognition of two outstanding WBC member firms. HITT Contracting Inc. provided the labor and materials to build an accessible ramp at the assigned Rebuilding Together house. rand\* Construction Corporation also provided labor and materials to extensively remodel the only bathroom for the disabled veteran and his family.

Rebuilding Together, a non-profit organization devoted to rebuilding communities and preserving affordable housing, is the nation's leading nonprofit group working to preserve affordable homeownership and revitalize communities across the country. The organization has over 200 affiliates with thousands of volunteers who every year rehabilitate and improve the homes of low-income people at no cost. Recipients of Rebuilding Together services include the elderly, disabled, military veterans and families in need. Community Services Committee Vice-Chair Jane Cherney was nominated to serve as House Captain and organized a remarkable team of over 50 volunteers for the workday. Due to the amount of work involved with the two projects, many tasks were started prior to and finished following the project workday. Work on the houses included accessibility modifications, electrical upgrades, HVAC work, skilled carpentry, yard cleanup, landscaping, door replacement, handrails, window/ screen repair, insulation, painting, gutter repair and more!

Rebuilding Together is the leading national volunteer organization working in partnership with communities to rehabilitate owner-occupied low-income housing. Nationally, Rebuilding Together programs have rehabilitated over 115,000 homes and non-profit facilities by utilizing over 2.7 million volunteers. Rebuilding Together provides home repairs free of charge and gives priority to those low-income households with older adults, persons with disabilities or families with children.

With the efforts of more than 60,000 community volunteers, Rebuilding Together Arlington/Fairfax/Falls Church has repaired over 2,800 homes and non-profit facilities since becoming involved with the national program in 1988. This neighbor-helping-neighbor approach unites more than 2,000 skilled and unskilled volunteers from diverse backgrounds with low-income homeowners and non-profit organizations each year. Volunteers are able to make both major and minor repairs and renovations that result in life changing improvements for the homeowners and organizations served.

For more information on the Rebuilding Together program, please go to www.wbcnet.org or www.rebuildingtogether.org.

## Rebuilding Together

#### Thanks Again to Our 2013 Rebuilding Together Volunteers and Donating Companies!

#### Volunteers

**Elizabeth Benshoff** Zachary Brandau Jane Cherney **Emily Cicero** Susan Craig Jeff Davidson Ed DelVecchio Morgana DelVecchio **Mike Dower** Michael Duke Ken Ellis Sarah Farrar Kent Fee Shannon Flippo David Gosney Eva Gosney **Eric Grenier** Jackson Hawse Michael Jackowski Taunya Jones Steve Kenton Jim Klein Jon Kurtis **Rob Lowry** Jasmine Lynch **Eurydice Mack** Maggie Maturo Taylor Maturo John McKenna

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#### **Donating Companies**

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GPR, Inc. window & door repair

HITT Contracting Inc. accessible ramp & carpentry

Lehman Smith McLeish design services

Maurice Electric Supply electrical supplies McCoy Associates supplies & materials

rand\* Construction Corporation bathroom remodeling

Ruppert Landscaping, Inc. stump grinding

**Sherwin-Williams** paint & paint supplies

W.E. Bowers, Inc. mechanical services

Ken Ellis supplies & materials



## **Guest** Article

## Integrated Project Delivery: House of the Temple, Washington D.C.

By Chris Dierks, DPR Construction

n February 5, 2013, eight companies entered into an Integrated Project Delivery agreement for the conservation and modernization of the House of the Temple building, which is the national headquarters for the Scottish Rite of Freemasonry, Southern Jurisdiction. This beautiful building has several functions and includes administration space, ceremonial rooms, a library and some archive spaces. The House of the Temple was designed by renowned architect John Russell Pope, who was responsible for many iconic buildings in Washington D.C.; the House of the Temple is considered one of his most acclaimed works of art.

The team agreed upon the Hanson Bridgett, LLP "Master Integrated Project Delivery Agreement" as the basis for their contract, which laid the groundwork for successful collaboration and coordination. The agreement binds the signatories together legally and financially by putting 100% of their profit at risk, which helps encourage individual firms to act as one company, and keep the overall success of the project as their goal. The profits from each company are pooled together in the "Incentive Compensation Layer" (ICL), which is then paid out over the course of the project as certain milestones are successfully achieved.

The team chose to call itself "Rebuilding the Temple," in an effort to define the team as one entity, with one goal. The eight IPD firms include: The Scottish Rite Temple (The Supreme Council), DPR Construction, DesignTech, E.C. Ernst, Grunley Construction Company, Hartman-Cox Architects, KCE Structural Engineers, and Shapiro & Duncan. The team is extremely excited because this IPD project is a first of its kind, being that it is a conservation and modernization IPD project.

Since executing the agreement, design has been in full swing as the first submission deadline is in early June. To help facilitate the design process, including the pricing effort, the team has implemented Target Value Design (TVD). First, they established cross-functional teams (TVD clusters) of design professionals and builders, organized by major disciplines and scopes of work. The chart on the next page outlines the project-specific clusters, including individuals who are part of each one.

The cluster teams are responsible for helping design to cost targets established by the entire team, which aligns with the owner's budget and the overall target cost of the project. The clusters will remain intact throughout the design process and likely into construction to deal with design questions and changes.



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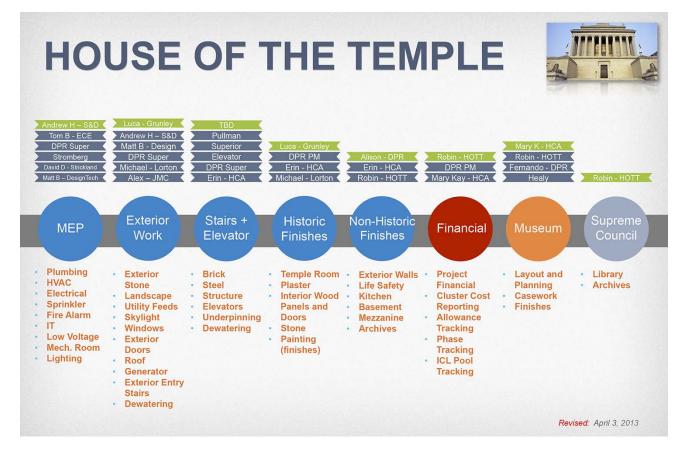
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## **Guest** Article



The team is also implementing Pull Planning as another Lean Construction process to assist integration, and clusters are starting to include Pull Planning sessions into their meetings. So far, the team has found that mapping work processes backwards from cluster milestones is the only real way to produce what is needed; nothing more, and nothing less. During these sessions they try to focus on three competencies:

- 1. Understand what is really needed in order to plan and deliver only what is required
- 2. Make work ready by identifying and removing obstacles to completing planned work
- 3. Track and keep commitments in ourPlan™

To facilitate this collaborative process, the team uses paper sticky notes to visually represent deliverables and commitments made by each team member, working backwards from a specific milestone. The team has already seen that the interaction and personal commitments between individuals during Pull Planning sessions is extremely valuable.

To track commitments, the team uses a web-based software platform called ourPlan<sup>™</sup>, which captures the Pull Plan electronically so it can be shared instantly with anyone on the project. ourPlan<sup>™</sup> also keeps track of changes to the plan so the team can measure the quality of their planning effort (it automatically computes Percent Planned Complete, or PPC). The program can also generate a report that outlines the reasons for failure for each activity, which enables a very robust discussion amongst team members on how the team can improve. Continuous improvement is an essential step in how this integrated team will pave the way to the most important lean principle: "strive for perfection."

This integrated approach is new to most of the team members, so being open to learning on the fly and trying new techniques has been critical. The team has approached the project with a "go slow to go fast" mentality, which has allowed them to focus on a few essential processes rather than tackling everything at once. Team "Rebuilding the Temple" is thrilled to be taking IPD to the next level, right here in the nation's capital.



#### About the author

**Chris Dierks** is the East Coast Leader of Lean Construction for DPR Construction. Chris earned a Bachelor of Science degree in Construction Science and Management from Kansas State University. Chris' primary role is working with project teams on implementation of Lean Construction processes and innovative tools, along with developing integrated teams. Chris is also currently the Project Executive on the

House of the Temple project, located in Washington D.C., which is implementing an Integrated Project Delivery approach.

## **Guest** Article

## What is Lean Construction?

#### By Dan C. Heinemeier, CAE

he Lean Construction Institute (LCI) is a membership-based organization dedicated to transforming design and construction through the use of lean tools and techniques. Lean concepts originated decades ago in manufacturing, and with revolutionary results. LCI is extending these principles to design and construction, changing the way project work is done with the objectives of maximizing value and minimizing waste. Lean differs from traditional project management in significant ways:

- Lean design and delivery processes better reveal and support owner purposes and "conditions of satisfaction" over the life of the project. The owner is no longer expected to completely define requirements at the outset for delivery at the end, regardless of changing market conditions and business practices.
- Lean work is structured throughout the process to maximize value and reduce waste.
- "Control" is redefined from "monitoring results" to "making things happen."
- Coordinating is done through pulling and continuous flow as opposed to schedule-driven push, with its over-reliance on centralized authority and project schedules.
- Decentralized decision making: Project participants are given current information on the state of the project and are empowered to take action.

How does this work in practice? On-site implementation of lean includes "pull plan" process mapping, typically accomplished in a large meeting area with sizable wall space in which the whole team responsible for doing the work (engineers, architects, owners, and designers for a "design phase"; designers, specialty contractors, and the GC for a "construction phase") is able to meet. Team members start at the conclusion of a phase and work backwards, at each step identifying the requirements to declare a chunk of work complete and their needs to start that chunk. Many times it is performed by pasting descriptions of the chunks of work on a wall, establishing durations and an efficient work flow pattern, and then capturing the final solution in project management software.

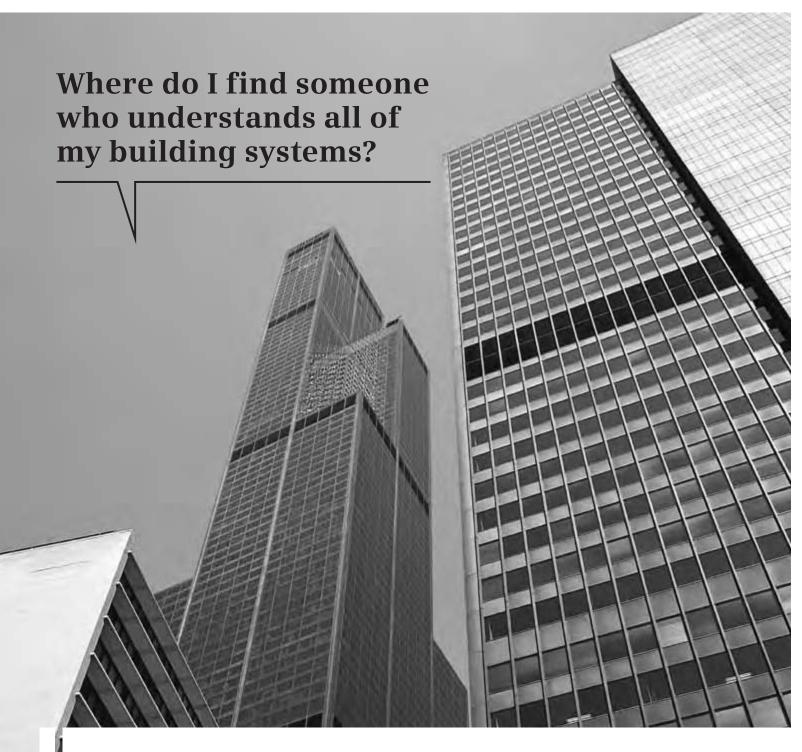
Once the pull plan is completed for a phase of work (say, three months), a short interval plan called the Look Ahead Plan identifies all the activities to be performed in the next three to six weeks. A glance at any time at this rolling, multiweek look-ahead reveals both the project's status and the upcoming work processes to be undertaken. Work proceeds on schedule in the most logical and waste-avoiding way possible. Conflicting performance schedules, unavoidable delays that must be accommodated, or other changes that can impact cost or schedule are worked out and performance schedules changed as needed in regular meetings on the Look Ahead Plan. By making changes in the context of a broader look at project status, the most efficient reallocation of work assignments and process outcomes may be made to address emerging constraints to project success.

When asked about the benefits of these processes, an on-site contractor may affirm that lean planning is not only making for smoother, safer and more successful project performance, but also more amicable working relationships among those performing on the project. Work is more enjoyable and fulfilling for all. Brief look-ahead meetings may take place the first thing each morning, with nearterm tasks recorded and reviewed on a large white board. Every contractor working on site that day sends a manager or other representative to these meetings. Tasks, schedules, even numbers of workers on hand at any given time may be reviewed, and each person has the ability to voice concerns about the work scheduling and its impact on his own processes and workflow. Plans can be adjusted flexibly to de-conflict activities that might create wasted effort and drive cost as the project moves forward. Everyone is making reliable promises on his own performance, and engaging in the collaboration that is the hallmark of lean practices.

The Lean Construction Institute (LCI) is making a difference in the way projects are managed, challenging the belief that there are always trade-offs between time, cost and quality. Our members have the best opportunity to learn about these new concepts and techniques and to participate in their development and implementation. Competitive advantage in a safer, more efficient industry is the end result, and the primary benefit. If you have yet to explore the benefits and opportunities of lean project delivery and would like more information, please contact LCI at 703-837-5421, or visit us at www.leanconstruction.org.

#### About the author

**Dan C. Heinemeier, CAE**, joined LCI as Executive Director in January 2013. Dan is a 30-year veteran of trade association management with extensive expertise in strategic planning, program development / implementation, and initiatives driving positive change, growth and ROI in associations. Dan previously served in senior management roles such as President and COO in associations representing the high-tech and government contracting industries, and he helped lead two major association mergers in 2008–09. He holds the Certified Association Executive (CAE) credential from the American Society of Association Executives. He is based at LCI headquarters in Arlington, VA.



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Answers for infrastructure.





## Washington Building Congress 2013 Golf Outing Winners

#### **BELMONT COURSE**

**1<sup>st</sup> Place:** J.E. Richards, Inc – Team 1

**2<sup>nd</sup> Place:** Dynalectric Company – Team 4

**Closest to Pin Contest:** Matt Edwards

Longest Drive Contest: L. Malanchuk

**Putting Green Contest:** Frank Roberts

#### **RTJ II (Jones) COURSE**

1<sup>st</sup> Place: Suffolk Construction Company

**2<sup>nd</sup> Place:** Foulger-Pratt Contracting – Team 2

**Closest to Pin Contest:** Mike Baruccheri

**Longest Drive Contest:** Zach Spees

Putting Green Contest: Gerry Jepson and Elizabeth Benshoff

#### NORMAN COURSE

**1**<sup>st</sup> **Place:** Lee Technologies

**2<sup>nd</sup> Place:** Tower-Davis Electric

**Closes to Pin Contest:** Oscar Merida

**Longest Drive Contest:** Blane Smith and Julie Tice

Putting Green Contest: Morgan Stevens

50/50 Raffle: Jim Hobart

## A Special Thanks to our 2013 Sponsors

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#### **Course Sponsor**

**Belmont** Costello Construction of Maryland

*Jones* Ruff Roofers

#### Golfer Gift Sponsors Clark Construction Group DAVIS Construction SIGAL Construction Corporation

**Reception Food/Bars Sponsor** Southland Industries

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Capital Tristate Electrical Dynalectric Company Foulger-Pratt Contracting Tower-Davis Electric

Hole-in-One Sponsor Graybar Electric

#### Lunch Food Station Sponsors Balfour Beatty Construction HITT Contracting Inc. PEPCO

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#### Longest Drive Sponsors

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Boatman and Magnani Brayman Construction Corp. **Coakley & Williams Construction** ECS Mid-Atlantic Exponent Freestate Electrical Company Grunley Construction Co. (3 holes) Harvey-Cleary Builders J.E. Richards, Inc. John Moriarty & Associates KCCT Architects Lend Lease Construction (3 holes) Manhattan Construction Co. Marriott Wardman Park Hotel McManus Darden & Felsen PerLectric, Inc. Precision Doors & Hardware Scaffold Resource Specified Electrical Systems Suffolk Construction Company Tishman Construction Corp. Watkins Meegan

#### **Golfer Gift Bag Giveaways**

Dynalectric Company Pierce Associates Specified Electrical Systems Wells Fargo Advisors

#### **Many Thanks to the Volunteers**

Rebecca Ballard Janelle Becker Corinn Bovi Brendan Cole Anne Finerfrock Julie Forsht Carrie Lieberman Jeff Rees Megan Vallach Robert Weaver Anne Wilks

## FY'2014 WBC Board of Directors Nominations

#### **TO:** Washington Building Congress Members

#### FROM: Paul Mella, Nominating Committee Chairman

The WBC Nominating Committee is seeking the recommendation of qualified members who would like to make a contribution to the overall goals and objectives of our association. The committee has developed the following brief nomination form to encourage membership participation in the process.

Please submit your nominations on this form by Friday, August 16, 2013. The election of FY'2014 WBC officers and directors will take place on Thursday, September 26, at the WBC Annual Meeting and Fall Kickoff at Columbia Country Club. The new Board of Directors term commences on October 1, 2013.

<b>OFFICER &amp; DIRECTOR POSITIONS</b>	AVAILABLE
CHAIRMAN-ELECT(1 year term)	<b>One</b> Position
VICE-CHAIRMAN(1 year term)	Three Positions
TREASURER(1 year term)	One Position
SECRETARY(1 year term)	<b>One Position</b>
DIRECTOR 2013-2016(3 year term)	Three Positions

#### **WBC OFFICER & DIRECTOR NOMINATION FORM**

	of nominations a WBC member can sultions are permitted. Please submit nomi	<b>A</b>
Name of Nominee (please print	t):	
Nominated Position:		
Company:		
	Zip:	
Fax:	Email:	
~~~~~	curumencurumencurumencurum	- ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Nominated By (please print):		
		_Date:
Phone:	Email:	
	Aline or mail to: WBC Nominating Con Washington, DC 20006. Nominations ca DC 20006. Nominations ca <i>Washington</i> <i>Building</i> Relationships Since 1937	nmittee, Washington Building Congress, an also be faxed to (202) 429-1922.

## **Member** Projects

WBC member SIGAL Construction Corporation was chosen to provide interior and exterior renovations at The Sedgewick and The Shelburne apartments at 19th Street, NW and S Street, NW for The Georgetown Company. The design consists of lighting upgrades, concrete repairs, awnings, and signage and security improvements to the exterior of each building. Entrance and lobby improvements include new entry doors, new interior finishes, new mailboxes, and a new entry access system. General improvements will include new public area finishes and lighting, new bike racks, and vacant apartment renovations. The occupied and phased renovations are already underway with final delivery set for July 2013.

In addition, SIGAL Construction Corporation's recently completed buildout for the new AIA District Architecture Center (DAC) has achieved LEED<sup>®</sup> CI v3.0 Gold certification.

The 13,000 square-foot build-out comprises a two-floor facility with a "raw look" featuring exposed beams, concrete, steel, and glass. The expandable two-level glass enclosed conference room is the centerpiece of the design allowing for easy adaptation to different conference/ classroom sizes. Architectural details include a recessed wood floor, glass walkway, new elevator, new staircase, millwork slat panels, and the two-level glass-enclosed conference/classroom.

The DAC, located at 421 7th Street, NW, Washington, D.C. is a place for both the public and the professional to celebrate architecture. A collaboration of the Washington Architectural Foundation (WAF) and its partner the Washington Chapter of the American Institute of Architects (AIA|DC), the center fosters a greater participation in city life for architects and the public.

WBC member **Turner Construction Company** has completed the expansion and construction of the **BakerHostetler Washington, D.C. office**, located in Farragut Square. Celebrating their 97<sup>th</sup> anniversary, BakerHostetler's clients include a variety of businesses achieving success globally, nationally, regionally, and locally. The D.C. office houses significant corporate, intellectual property,



Turner Construction Company completes expansion and construction of the BakerHostetler Washington, D.C. office.

litigation, legislative, employment and labor, and tax practices that serve a variety of businesses, including many of the Fortune 25 companies.

The project consisted of the expansion and build out of just over 20,000 square feet within the 1050 Connecticut Avenue, N.W. building, where Baker-Hostetler has occupied space for 29 years.

WBC member **Manganaro Midatlantic** believes that the U.S. Coast Guard's administrative employees, both military and civilian, should enjoy that same assurance that they have with their fleet of ships, as when it comes to their working spaces. During the construction of the new **Coast Guard Headquarters** on the historic St. Elizabeth Hospital site in Washington D.C., the company worked painstakingly to ensure that the vapor barrier and masonry it installed would form a tight, attractive, waterproof shell for the building.

The Coast Guard Headquarters includes an 11-story, 1.2 million square-foot building, an adjacent parking structure, and a central utility processing building. Its construction is the first phase of a multi-year plan that will consolidate most of the operations of the U.S. Department of Homeland Security onto one campus.

Manganaro Midatlantic performed all of the masonry work on the Coast Guard building, installing 85,000 square feet of brick, concrete masonry units (CMU), interior block work partitions, and garages. It was also responsible for the application of the air and vapor barrier. Before the company could apply the spray-on air and vapor barrier to these walls, it had to carefully prepare the base using blue skin membranes that seal the building in transition areas such as windows, corners, and places where the underlying material changed from concrete to gypsum or from concrete to CMU. For the transitions between the window system and the skin, Manganaro Midatlantic coordinated materials with the window contractor to make sure that the products selected by the architect would hold up over time.

Manganaro Midatlantic has spent two years on the project and will substantially complete its work within the next few weeks. The construction of the entire Coast Guard Headquarters should finish in the first quarter 2013, with employees moving into the watertight and shipshape—building this summer.

The Society of Federal Health Professionals, has selected WBC member **Frost Miller Group (FMG)** to produce a comprehensive strategic marketing campaign for their **118**<sup>th</sup> **Annual Continuing Education Meeting**. The plan will include promotion for

attendees, exhibitors, and sponsors. FMG has already created a

marketing strategy based on its in-depth

## **Member** Projects

analysis of past AMSUS shows. The Bethesda, Md-based integrated marketing communication firm has jumped into creative design for projects including a new website, emails, and direct mail pieces for the AMSUS meeting, which is being held in Seattle November 3-8, 2013.

As part of its extensive experience in association and exhibition marketing, FMG has promoted public sector and medical meetings for clients such as APCO International and Digestive Disease Week. FMG has also helped grow international shows like National Mining Association, into record-setting events.

FMG assists associations and association-related organizations in areas such as overall branding, membership marketing, web development, social media, public relations, and advocacy. FMG believes that strategy, message, and design should reach across all marketing platforms.

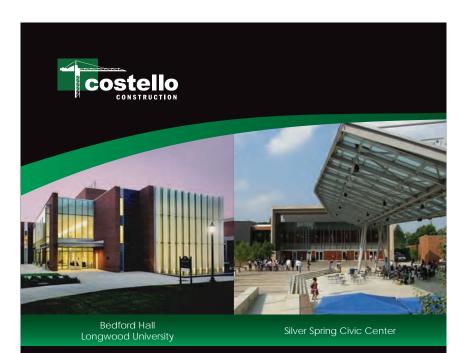
WBC member **Costello Construc**tion, a Maryland-based firm providing general construction services to public and private-sector clients, has been selected by the Maryland Transit Administration (MTA) to build the new **Langley Park Transit Center in Prince George's County.** The new facility will be located at the northwest corner of the University Boulevard and New Hampshire Avenue intersection, which is currently the busiest non-Metrorail transit hub in the region with 11 different bus routes passing through the area.

The Transit Center is expected to improve pedestrian safety by making it easier and more convenient to transfer from one bus route to another by providing a central location for the many bus routes that serve the Langley Crossroads area. The Transit Center will include an attractive shelter featuring a large, ornamental canopy that will provide a comfortable place for bus riders to wait. The \$13 million project will also include a building to house transit information, ticketing, and public restroom facilities.

Groundbreaking on the project is planned for summer 2013 and the facility is expected to be completed in the fall of 2015. This project has been delayed for several years while the state negotiated the acquisition of the 1.2 acres of land needed to build the facility, but has recently been given the green light to proceed.

Costello Construction will selfperform more than 50 percent of project utilizing its own forces, which was a minimum requirement set by the MTA during the bidding process. Costello is one of the only construction firms in the region able to meet this requirement. Led by David Costello, president and project executive, the Costello Construction management team for the Langley Park Transit Center will include Project Manager, Brian Malanchuk and Superintendent, Kevin Gallagher.

Forrester Construction Company, a WBC member, recently completed the Arlington National Cemetery Columbarium Court 9 project, the third project Forrester



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Costello Construction 10211 Wincopin Circle, Suite 100 Columbia, MD 21044 T 410.740.9500 F 410.997.2800 costelloconstruction.com has built within the National Historic Landmark District. Arlington National Cemetery honors those who have served our nation throughout its 624 acres of pristine landscape.

Nearly the size of two football fields, this ninth columbarium project will provide over 20,000 niche spaces for veterans and their families. Completed nearly three months early and under budget, special focus on near-perfect finishes and monumental quality of the extensive stonework was critical. Forrester was proud to be part of such a significant project, especially during a time of the year when the nation is honoring its fallen service men and women.

The law firm of **McManus Darden** & Felsen LLP (MDF), a WBC member, was recently selected and appointed to advise and represent the **Metropolitan** Washington Airports Authority

(MWAA) in all areas of procurement and related legal matters. MWAA is responsible for Ronald Reagan Washington National and Washington Dulles International Airports and the Dulles Toll Road, and MWAA manages the Dulles Corridor Metrorail Project. MDF is to provide "on-call legal advice and assistance to [MWAA] in all areas of procurement, including but not limited to, planning, preparation of documents, review and evaluation of proposals, contract awards, protests, enforcement and [MWAA] Contracting Manual issues."

The U.S. General Services Administration (GSA) has awarded WBC member **Grunley Construction Company, Inc.**, a large Washington metropolitan area general contractor, a \$20 million contract to provide designbuild services for the renovation of the **Sidney Yates Building**, located at the corner of 14th Street and Independence Avenue, SW, Washington, D.C. The Yates Building is listed on the National Register of Historic Places and houses staff of the U.S. Department of Agriculture's United States Forest Service.

Grunley's work will include the design and construction of new mechanical, electrical, HVAC, and fire protection systems throughout the 180,000 square-foot building, plus a tenant fit-out and replacement of windows for a 10,000 square-foot USDA Child Development Center. All of this will be accomplished while protecting and preserving the structure's historic fabric. The work will be completed to meet a tight seven month schedule for re-occupancy of the building by December 2013, with the CDC operational in June of 2014. RTKL Associates, Inc. is serving as the designer for the base contract work.

## **Member** Projects





**ABOVE:** Arlington National Cemetery—Columbarium Court 9 completed by Forrester Construction Company.

**LEFT:** Grunley Construction to Renovate the Sidney Yates Building.

## **WBC** Summer Networking



\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

## Cactus Cantina

**Thursday, August 15, 2013** 5:00 to 7:00 p.m.

3300 Wisconsin Avenue, NW \* Washington, DC

1 block north of the National Cathedral Corner of Wisconsin Ave. & Macomb St.



\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

## New Members

## New Members

#### **Clark Builders Group**

4401 Wilson Boulevard Suite 600 Arlington, VA 22203 p. 703-294-4500 f. 703-294-4650 www.clarkbuildersgroup.com erik.kaniecki@clarkbuildersgroup.com Representatives: Erik Kaniecki, Dave Tapparo, and Keith Anderson

#### Clean Earth, Inc.

334 S. Warminster Road Hatboro, PA 19040-3430 p. 215-734-1400 f. 215-734-1417 www.cleanearthinc.com info@cleanearthinc.com Representatives: James Hull and **Casey Kersey** 

#### Faithful + Gould

1725 Duke Street Suite 200 Alexandria, VA 22314 p. 703-684-6550 f. 703-684-8761 www.fgould.com adrian.coffin@fgould.com Representatives: Timothy P. Hannaway and Adrian M. Coffin

#### **Interface Engineering**

700 12th Street NW Suite 700 Washington, D.C. 20005 p. 202-499-2288 www.interfaceeng.com jimg@interfaceeng.com Representatives: James Eric Good PE and **Roger E Frechette PE** 

#### **Tanks Direct**

8580 Laureldale Drive Laurel, MD 20724-2008 p. 301-317-6000 f. 301-317-8265 www.tanksdirect.com megan@tanksdirect.com Representatives: Megan Vallach and **Paul Robertson** 

### New Government/ Institution Members

#### **UNITE HERE Local 25**

901 K Street, NW Suite 200 Washington, D.C. 20001-4223 p. 202-737-2225 f. 202-393-3741 www.unitehere.org Representative: Samuel A. Epps IV

### New Small Business Members

#### **Construct Incorporated**

11936 Henderson Road Suite 700 Clifton, VA 20124 p. 703-593-4686 f. 703-243-1948 www.constructincorporated.com t.skey@constructincorporated.com Representatives: Thomas Skey

#### **General Woodworking Corp.**

12264 Wilkins Avenue Rockville, MD 20852-1840 p. 301-881-1343 f. 301-881-0662 blieberman@generalwd.com Representatives: Bryan Lieberman and Lyle Hannum

#### Impact Construction and **Consulting, LLC**

3512 36th St, NW Washington, D.C. 20016-3150 p. 202-390-1335 f. 202-403-3532 www.impactbuild.com Representatives: Justin Sullivan and Lori VanDyne

#### **United Design Build**

PO Box 4850 919 West 34th Street Baltimore, MD 21211-0850 p. 240-200-1220 f. 202-591-3088 www.uniteddesignbuild.com hbroner@uniteddesignbuild.com Representatives: Hillary S. Bronder and Page Stout

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## **New** Members

#### VJ Associates of Washington, D.C. Inc.

1734 14th Street, NW Carriage House, 2nd Floor Washington, D.C. 20009-4796 p. 202-609-7480 f. 202-506-1869 www.vjassociates.com info@vjassociates.com Representative: **Elizabeth Tuico** 

### Company Member Descriptions

#### **Clark Builders Group**

Clark Builders group (CBG) is one of the area's premier builders of multifamily apartments, military housing, hotels, and senior living facilities. CBG provides high-quality, responsive service backed by a significant bonding capacity and unsurpassed national resources. Clark Builders Group is an affiliate of The Clark Construction Group, one of the nation's largest private general contractors.

#### **Clean Earth, Inc.**

Clean Earth is one of the nation's largest specialty waste companies providing soil recycling and remediation services to energy, infrastructure, commercial, and industrial customers along the East Coast. Clean Earth operates 12 full-service facilities, with its newest facility, Clean Earth of Greater Washington, located in Upper Marlboro, Md. Clean Earth of Greater Washington is a Maryland Department of the Environment permitted non-hazardous soil treatment, processing, and recycling facility that accepts non-hazardous contaminated soils. In addition to contaminated soils, the Clean Earth family of services handles hazardous waste, drill cuttings, dredge material, and aggregate products. Approximately 98 percent of the material processed at Clean Earth is recycled. As a leader in the industry for more than 25 years, Clean Earth has the capabilities and know-how to provide efficient, effective soil recycling and waste disposal services.

#### **Tanks Direct**

Tanks Direct is a full service petroleum, water, and chemical storage tank distributor with the added benefit of in-house storage tank design, construction, and installation services.

### Government/ Institution Descriptions

#### **UNITE HERE Local 25**

Local 25 is a 6,000 member labor union representing hotel workers in Washington, D.C., Northern Virginia, and Prince George's County, Md.

### Small Business Descriptions

#### General Woodworking Corp.

General Woodworking Corp. is a wellestablished commercial carpentry firm performing construction services in metropolitan Washington, D.C. Since 1985, the company has performed carpentry work on a wide array of commercial projects including office buildings, apartments/ condominiums, hotels, hospitals, educational facilities, government buildings, law/ medical offices, and many others. General Woodworking is a fully licensed, insured, bondable, equal opportunity company. The company also proudly complies with green building practices (i.e. LEED) and holds certifications as a small business under a number of jurisdictions.

#### **Construct Incorporated**

Construct Incorporated specializes in residential, commercial, educational, government, and security projects.

#### Impact Construction and Consulting, LLC

Impact Construction and Consulting, LLC, provides a full range of residential and commercial construction services to create high performance homes and buildings. Impact is a service-oriented company with extensive experience and expertise in design, planning and management, construction, safety, and environmental sustainability. Impact adheres strictly to industry best practices, including LEED where applicable. This results in the highest value for clients and the lowest impact to the environment over the life of the building. Impact succeeds because of the integrity of its workforce, commitment to working with respect and consideration, and its passion for building structures that are beautiful, durable, and constructed with thoughtful consideration for the environment.

#### **United Design Build**

United Design Build (UDB) is a designbuild firm focused on providing turnkey solutions to planning and constructing great interior environments. Through the collaborative effort of a highly experiences design and construction management team combined with an extremely skilled Trade Union labor force, UDB creates ideal space. UDB's collaboration extends from the built environment to the outfitting of the space with Union manufactured providing a long lasting quality solution for the complete commercial work environment.

#### VJ Associates of Washington, D.C. Inc.

VJ Associates is a construction consulting firm providing cost estimating, cost controls, project management, scheduling, value engineering, and claims analysis to the A/E/C/ industry. The firm holds MBE/ DBE certifications from the Virginia Unified Program, Virginia SMaM, MD Department of Transportation, DC Department of Transportation and MWAA. VJ's project experience spans most market sectors including transportation, healthcare, higher education, government, commercial, R&D, civic, cultural, and parks.

## Save The Date! WBC Regional Sustainability Update

#### Wednesday, September 18, 2013

- New Stormwater Management Regulations
- District of Columbia Green Building Code
- International Green Construction Code (IgCC)

Registration & Continental Breakfast: 8–8:30 a.m. Panel Program: 8:30–10 a.m.

#### Registration opens in August.

Sponsored by The WBC Sustainability Committee

## WBC Calendar & Advertising Information

## July

• July 20, 10 a.m.-12 p.m. Food & Friends 219 Riggs Road, NE, Washington, DC

#### August

• August 6, 5:30 p.m.-9:35 p.m. Nationals vs. Braves Baseball Outing Nationals Stadium Family Picnic Area, Washington, DC

• August 15, 5 p.m.-7 p.m. Summer Networking Cactus Cantina, Washington, DC • August 17, 10 a.m.–12 p.m. Food & Friends 219 Riggs Road, NE, Washington, DC

#### September

- September 18, 8-10 a.m. Regional Sustainability Update Tishman Construction, Arlington, VA
- September 21, 10 a.m.-12 p.m. Food & Friends 219 Riggs Road, NE, Washington, DC

• September 26, 5:30 p.m.-8 p.m. Fall Kickoff /Bull & Oyster Party 75<sup>th</sup> Anniversarty Celebration Columbia Country Club, Chevy Chase, MD

#### October

 October 17 WBC Leadership & Committee Reception Holland & Knight, Washington, DC

#### December

• December 10, 6 p.m.-8:30 p.m. Holiday Party Congressional Country Club, Bethesda, MD

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. The **Bulletin** is published ten times a year by WBC. To place an ad, submit material or for more information call (202) 292-5922.

**December/January** Members Giving Back

February/March Sustainability

April/May Craftsmanship Awards

June/July **Rebuilding Together** 

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**August / September** Marketing & Communications

**October/November** WBC 75<sup>th</sup> Anniversary & Board Installation

December / January
December / January
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Members Giving Back

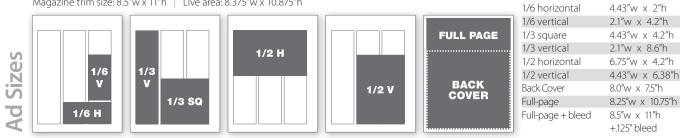
		1 time	5 times	10 times
	Member Rates:			
	Black and White			
	1/6 horizontal or 1/6 vertical	\$155	\$130	\$110
	1/3 vertical or square	\$230	\$190	\$150
)),,5	1/2 horizontal or vertical	\$430	\$350	\$290
	Full-page	\$630	\$510	\$410
	Color			
	Inside Front Cover	\$730	\$590	\$480
5	Inside Back Cover	\$730	\$590	\$480
	Back Cover	\$830	\$670	\$540

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\$210	\$176	\$149
\$311	\$257	\$203
\$581	\$473	\$392
\$851	\$689	\$554
\$986	\$797	\$648
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\$1,121	\$905	\$729
	\$210 \$311 \$581 \$851 \$986 \$986	\$210 \$176 \$311 \$257 \$581 \$473 \$851 \$689 \$986 \$797 \$986 \$797





Ad Rates

**Events** Calendar