Construction Notebook Class #10 Metal Building Fasteners Training was held Thursday, February 13, 2020 at Metal Fastening Systems located at 7670 Mikron Drive Stanley, NC 28164. We had over 40 in attendance. Nathan Grooms and Brian Sasuta's presentation was both informational and hands-on. We learned how to identify different fasteners: diameter, threads per inch, length, by abbreviation, and size description.

**Fastener/Screw Terminology**

**Description:** #12-14 x 1-1/4” DPZ Self-Drilling Screw. 5/16” Hex Washer Head. Undercut with EPDM Sealing Washer. Carbon Steel. Zinc Plated with 1,000hrs salt spray coating.

**Threads Per Inch**

**Fastener Length**

**Head Style**

**Rivet Diameter**

**Jaw Type**

**Fastener Length**

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<th>Threads Per Inch</th>
<th>Fastener Length</th>
<th>Head Type</th>
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<tr>
<td>#12 - 14</td>
<td>1-1/4” DPZ</td>
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<td>5/16” HWH</td>
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Screws that attach to wood or metal: concealed applications when head height is an issue, UTP head, telegraphing, recesses, available coatings, types available of stainless steel, minimum embedment, and head markings. Metal to wood screws: light gauge metal to wood, what gauge metal will they penetrate, washer over torque, clutch screw gun, coatings, types of stainless available, types of long life heads available, and head markings. Cupped head and hex and washer head self-drilling/tapping screws: self drilling vs. self-tapping, cupped head options, drill point capacity & TPI, screw gun RPM, screw replacement, stainless steel (410 & bi-metal), head markings, and metal building terminology (member/purlin or stitch/lap).

Wood to metal screws: why or why not wings, wings will not break off in less than 16 gauge, recesses, and coatings (410 stainless steel). Wood to wood screws: where and why to use, coatings, 305 & 316 stainless steel, and recesses. Self-tapping screws: replacement screws, different head styles, options material make-up (zinc plated carbon steel, stainless steel, zinc alloy, stainless steel capped head), need to pre-drill for metal. Rivets: color options/paint match, grip range, types of material (copper/brass, stainless steel, aluminum), Fab-Lok and Bulb-Tite.

How to select the fastener that’s right for you:

1. Which fastener is best for your project?
2. Applying to different applications?
3. Various material options
4. Coating options

Attendees were able to use screw guns to install several. They even gave away a screw gun to one lucky attendee!

We would like to thank Metal Fastening Systems for holding and sponsoring the class. They generously provided the location and lunch (a food truck that everyone loved) and helped with the planning and preparations that made this event a success.
Comments from class participants:

This class was highly beneficial to the group. Knowing the additional details of the fastener industry certainly makes us better representatives of the Metal Building trade. Every fastener has a purpose, and understanding that leaves a better product in place for the end user. -- Don Moore, Vice President Business Development, Kirkland, Inc.

I found the time valuable and also believe with additional exposure can help expose me personally to more of our industry experience that our clients expect of us to have. -- Andre L. Lennon, PE, LEED Green Associate, Senior Project Manager, Alliance Consulting Engineers, Inc.

Thought the class was great, and wish I had more time to tour the facility. Very appreciative of the time that was spent, and look forward to more events with the MBCEA. -- Brice Cook, President, BWC Contracting, Inc.

The class was very informative and even had some hands-on demonstrations with members of the audience. The Metal Fastening group was energetic and their office was a great venue, everyone loved the food truck for lunch. Overall it was a great class and I would highly recommend their products and knowledge to our MBCEA chapter. -- Kyle Smigel, Regional Sales Manager, Therm-All.

Training and education are key to the future success of our industry. Training your employees is the only way to improve your company’s performance, and increase the skill level of each employee. I am not referring to OJT, but classes as taught by the manufacturers and/or certified safety trainers. OSHA requires this type of training to be in compliance, and if you think about it, the safety and expertise of the employees should be considered a top priority. Please take advantage of the opportunities that the MBCEA Carolinas Chapter is providing, and let’s keep lifting our industry together!

If any of you have facilities in the Greensboro, Columbia, or Raleigh areas and would be interested in hosting a class in the future, please contact any of the Board members.

Thank you all for your continued support of the Carolinas Chapter!
Photos from Construction Notebook Class #10
Metal Building Fasteners Training

Upcoming Events

Our Spring Golf Tournament is tentatively scheduled for April 30th, 2020

Mallard Head Country Club
185 Mallard Way
Mooresville, NC 28117

http://mallardheadcc.com/mhcc/index.cfm

Proceeds from this golf tournament go to benefit our Scholarship Fund. Registration forms to follow. We are looking forward to seeing you there!
SCHOLARSHIP APPLICATIONS

We are now soliciting applications for the 2020 MBCEA Carolinas Chapter College Scholarship. The MBCEA Carolinas Chapter awards this college scholarship annually to promote our industry and benefit our members. Our Scholarship Program is open to any enrolled college student or college-bound high school senior. The MBCEA Carolinas Annual Scholarship totals $9,000.00 ($6,000.00 to deserving student(s) plus a $1,000.00 award in honor of Jim Watson). We also have a $500.00 single award scholarship sponsored by The Doug & Joyce Deaton Scholarship Fund. Special for 2020 we also have $1,500.00 sponsored by LeJune Bolt Company. These scholarships are open to any child, step-child, or grandchild of an active employee of a dues paying member of the MBCEA Carolinas Chapter or Lifetime Member. Associate Members’ employees who work in the Carolinas area are also eligible. Preference is given to students who are seeking 4-year degrees in engineering or construction-related fields. However, applicants of any field of study are considered. We encourage you to review your employee ranks for eligible students and encourage them to apply.

Click the links below for:

Invitation for Applications:

Application Letter:

Application Form:

Guidelines:

DEADLINE TO APPLY: APRIL 17th, 2020

Return completed applications to:
MBCEA – Carolinas Chapter
c/o Jay Murphy
154 Old Laurel Lane
Chapin, SC 29036

2020 AWARDS ENTRIES

The Carolinas Chapter is soliciting entries for our Building of the Year and Safety Awards. See the links below for the entry forms. Awards will be presented at the Saturday night banquet on July 18th, 2020 during our Annual Summer Meeting.

DEADLINE FOR ENTRIES MAY 8th, 2020

Click the links below to submit an entry for:

Building of the Year

Safety Award

2020 Annual Summer Meeting

July 16th-19th, 2020

Sonesta Resort Hilton Head Island
130 Shipyard Drive
Hilton Head Island, SC 29928

Click the link below to book your hotel rooms:

Rate of $299.00 for Standard King or 2 Queens

DEADLINE TO BOOK ROOMS & REGISTER
June 10th, 2020

We had a great time last year and we're looking forward to seeing each of you again this summer!

Registration and Sponsorship forms to follow.
Welcome to our new Board Members

Chris Greene

Chris graduated from the University of North Carolina at Charlotte with a Bachelors of Science in Civil Engineering. He began his career part time with Hoke Enterprises in 2003. While finishing up his degree he was an engineering intern in 2004, became a Project Manager/Estimator in 2005, and later was promoted to Vice President in 2014. Since Ray Hoke and Chris worked together to develop the company motto "Building What Matters", they continue to strive to develop a culture at Hoke where everyone is committed to maintaining high character while pursuing excellence and putting the success of the company ahead of personal achievement. Notable projects completed are Creative Foam Design Build Manufacturing Addition Athens, TN, various jobs for Georgia Pacific, Siemens, Huntsman, GE, NEG (formerly PPG), Duke Energy, Hanes; medical office buildings in Spartanburg, Greenwood and Rock Hill, SC; new church sanctuaries and classrooms in Charlotte and Shelby, NC and some renovations of existing churches in Shelby and Belmont, NC. Outside of work, Chris is a Deacon at Elizabeth Baptist Church, a board member for Hands on Missions, and a board member for Uptown Shelby Association. Chris helped start, and is active in F3 in Shelby. He married his wife Elizabeth in 2004 and they have four children: Casey (13), Collin (12), Anna (9), and Caleb (6). The Greene’s stay busy with camping trips, robotics competitions, scouts, soccer, church group outings, golf, gymnastics, and music.

Toby Anderson

Toby graduated from Auburn University with a degree in engineering. He began his career in the metal building industry working for American Buildings Company in Eufaula, AL as a design engineer in 2001. In 2003, he took a District Sales Manager position in North Carolina where he successfully built his sales territory and won multiple awards for the highest sales volume in the Atlantic Division. In 2010 Toby was promoted to South Division Sales Manager and moved back to Eufaula, AL where American Buildings Company headquarters was located. In 2016 Toby and his wife, Marie, purchased DWS Steel Structures located outside of Greensboro, NC. DWS provides both furnish & erect packages as well as erection only services. Notable projects completed are UNC Chapel Hill Indoor Football Practice Facility and Clemson Indoor Tennis Facility. Outside of work, Toby enjoys CrossFit and hunting. He and Marie have a daughter, Celie, who attends the University of South Carolina and a son, Tyler, who is a high school senior. Celie was one of the recipients of the 2018 MBCEA Carolinas Chapter College Scholarship.
If you would like to provide input for the board to review towards our current and future meetings, please email us.

The following Board Members lead the Carolinas Chapter of the Metal Building Contractors and Erectors Association. If you would like more information about the MBCEA, the Carolinas Chapter, or any of the events listed please contact Meredith Miller at carolinas@mbcea.org.

2020-2021 Board of Directors and Advisors

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<th>Position</th>
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<td>President</td>
<td>Randel Stanley</td>
<td><a href="mailto:randel@garanco.com">randel@garanco.com</a></td>
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<tr>
<td>Vice President</td>
<td>Don Moore</td>
<td><a href="mailto:dmoore@kirklandinc.com">dmoore@kirklandinc.com</a></td>
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<td>Secretary</td>
<td>Kyle Smigel</td>
<td><a href="mailto:ksmigel@therm-all.com">ksmigel@therm-all.com</a></td>
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<td>Treasurer</td>
<td>Finton Riggins</td>
<td><a href="mailto:finton.riggins@americanbuildings.com">finton.riggins@americanbuildings.com</a></td>
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<td>Immediate Past</td>
<td>Tony Downs</td>
<td><a href="mailto:tdowns@downsconstruction.net">tdowns@downsconstruction.net</a></td>
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***Please contact Tony Downs or Randel Stanley if any erectors have an interest in the AC478 certification. The National MBCEA is encouraging more participation in all the Chapters.***

Please email me randel@garanco.com or Meredith carolinas@mbcea.org with potential new members, so that we can send them a membership application and follow up.