



JANUARY 2018

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NOVACSI BUFFET I

Artisan Rolls and Mixed Green Salad
Grilled Zucchini, Yellow Squash & Plum Tomatoes
Roasted Rosemary Potatoes with Green Beans, Rice Pilaf, Garlic
Seared Frenched Chicken with Bold Rock Hard Cider Au Jus
Balsamic Marinated Flank Steak with Gorgonzola Demi-Glace
Chef's Choice of Dessert
Beverages: Citrus Water, Sweet-Iced Tea, and Gourmet Coffee

PRICES

Members:..... \$18
Retired: \$35
Emeritus:..... \$35
Non-Members:..... \$48
Table Top: \$275

SCHEDULE

6 pm: Social hour
7 pm: Dinner
8 pm: Program

LOCATION

Washington Dulles Airport Marriott
 45020 Aviation Drive
 Sterling, VA 20166

Newsletter of the Northern Virginia Chapter Construction Specifications Institute

26th ANNIVERSARY MEETING - JANUARY 10, 2018

Understanding Air Barriers & Options

For those who missed the December meeting, you missed a great presentation on the latest in paint technology, but you did not miss the announced presentation. The presentation was postponed until this month, at our 26th Anniversary meeting.

Description: This presentation will explore the key aspects of selecting an air barrier system:

Learning Objectives: After attending this presentation, participants will understand:

1. The importance of an air barrier system;
2. Principles of the Building Envelope;
3. Air barrier component considerations;
4. Industry drivers and validation.



Speaker: Larry Dawson

Speaker: **Larry Dawson** is entering his ninth month as Mid-Atlantic Residential Building Envelope Manager with Henry Company, where he works closely with architects, builders, and other professionals in managing moisture and air intrusion in the building envelope. Prior to this, he worked in market development at Tyvar. Larry resides in northeastern Maryland with his wife Kristyn and their two children, Maggie and Harper. ❖

Register for the meeting at <http://novacsinet.starchapter.com> by noon January 8, 2017
 Questions? Please send them to csinorthernva@google.com.

Schedule of FY2018 Chapter Presentations

September 20, 2017

Building in the Late 19th Century
Speaker: Constance Lai

October 11, 2017

Elevator History and Technology
Speaker: Colin Harrang

November 8, 2017

Designing with Hardwood
Veneer

Margaret Fisher, AWI

December 13, 2017

Understanding Air Barriers
Speaker: Larry Dawson, Henry Co.

★January 10, 2018 - 26th Anniversary (Postponed from December)

Understanding Air Barriers
Speaker: Larry Dawson, Henry Co.

February 14, 2018

LEED V4 Presentation
Speaker: To be Announced

March 8, 2018

Joint Meeting with AIA NOVA
Speaker: To be Announced

April 11, 2018

Building Information Modeling
Speaker: To be Announced

May 9, 2018

Permeable Pavements
Speaker: Scott Stannard

June 13, 2018 - Awards Night

Fire Rated Glass
Speaker: To be Announced

July/August 2018

Board Transition and Summer
Planning Meeting

September 12, 2018

BIM, 3D Modeling & Interoperability
Speaker: Luke Faulkner, AISC

Future topics subject to change



JANUARY 2018

PRESIDENT'S MESSAGE



Cynthia Heimann

Although many CSI members lean towards the technical aspects of the architectural industry, I hope many of you also find it fun to explore the wild world of high design. The on-line magazine for architecture, interiors, design and technology, Dezeen (www.dezeen.com), provided a list of the top 10 biggest architecture design stories for 2017.

I was intrigued by the article highlighting a home in Joshua Tree National Park made with shipping containers. This brought back to mind a highly successful program we featured back in April of 2016 when members of Jacobs Arlington office presented their project utilizing shipping containers to construct air control towers that can be erected quickly to facilitate arrival of supplies and assistance in areas experiencing disaster. The tower is admirably a creative project developed out of need. Dezeen's article is at the opposite end of the spectrum - a creative project for a vacation home. Check out the juxtaposition that the stark, white, modern structure has on the rocky landscape of the California desert:

<https://www.dezeen.com/2017/09/26/splayed-shipping-containers-joshua-tree-residence-james-whitaker/>

Thoughts on the contrast of natural and man-made? Is it exciting? Uncomfortable? Is the discomfort and contrast a bad thing? Or do you find the out-of-the-box result interesting, gutsy, and inspiring? However it makes you feel, I hope it triggers you to think outside of the "box" in the coming year. What will be your challenge to get you out of your comfort zone?



Here's to a Happy

and inspired

New Year!

Best wishes

for 2018. ❖

Cynthia

2018 REGION CONFERENCE SPONSORS - TIME IS RUNNING OUT

Here are some essential facts sponsors need to budget for sponsorships.

Host Chapter: Northern Virginia Chapter CSI.

Conference Dates: April 19-22, 2018.

Location: The George Washington Wyndham Grand Hotel, Winchester, Virginia.

Expo: Display tables will be set up on Thursday, April 19 for the Welcome Reception.

Contact Person for Sponsorships: **Bill Rains, bill.rains@sherwin.com, (301)902-3229.**

Conference Events:

Theme: Building Enclosure--Top to Bottom.

Technical Sessions: Six 1-hour presentations covering the roof down to the foundations.

Luncheon Features: Two motivational presentations.

Total AIA Credits Hours: Estimated at 6 to 10.

Group Tours:

Museum of the Shenandoah Valley, designed by Michael Graves.

Shockey Precast Concrete Plant.

Website development is in progress at www.marc2018.com.

Help fund the expense of the conference.

Pass this information on to potential sponsors. ❖

NOVA MEMBER CSI ANNIVERSARY DATES

January 2018

Robert Molseed	53 years
<i>Lifetime Member</i>	
Michael Clancy	37 years
<i>Architectural Resources, Inc.</i>	
William Rains Jr.	27 years
<i>Sherwin Williams</i>	
Thomas McConnell	13 years
John Geniesse	8 years
<i>Stanley Security Solutions</i>	
Aziz Ghani	4 years
<i>Architect</i>	
Ronald Kaczmarek	1 year
<i>Facilities & Capital Projects</i>	
<i>Division Chief</i>	

RENEWAL DATE REMINDERS

January 2018

Michael Clancy	1/31/2018
Tony Cummings	1/31/2018
Ronald Kaczmarek	1/31/2018
Allan Monello	1/31/2018
William Rains Jr.	1/31/2018

February 2018

Zachary Booker	2/28/2018
Jason McKay	2/28/2018
Daniel Piper	2/28/2018

March 2018

Scott Ewing, CSI	3/31/2018
Daniel Lemieux	3/31/2018
Fred Rudiger Jr.	3/31/2018



**26 YEARS for NOVA
From JANUARY 11, 1992
to JANUARY 10, 2018**



JANUARY 15, 2018

BUILDING ENVELOPE? - OR - BUILDING ENCLOSURE?

By Sheldon Wolfe, RA, FCSI, CCS, CCCA, CSC



December 2016, I received a question from Anthony Capkun, editor for *Electrical Business Magazine*, and former editor for *the Construction Specifier*. He asked, "What is the correct term these days: a) Building Envelope or b) Building Enclosure?"

I responded that I had always used building envelope, and that that is the term I hear most often. But, having learned a long time ago that always hearing a term *used* in a particular manner does not mean that that is the correct term, I decided to investigate further.

One of the first places I go for this type of question is Google's [Ngram Viewer](#). This is a handy search tool that charts frequency of appearance of words or terms, based on sources printed between 1500 and 2008. Although it has its problems, it's a convenient way to get a feel for the relative uses of similar terms. In this case, the results suggest that my experience is probably common, with building envelope being used far more frequently than building enclosure.

However, in our line of work, we don't rely on popularity contests, so I turned to the experts - published standards and leaders in the subject.

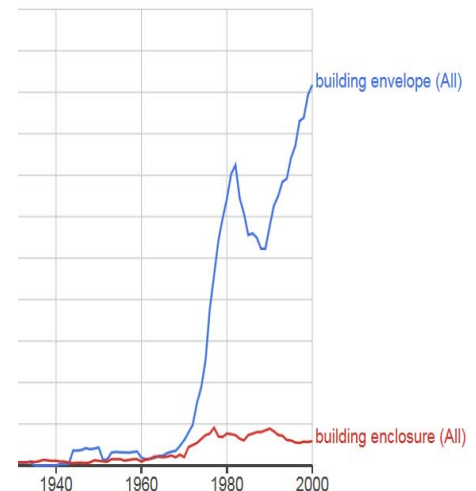
I started with the [National Institute of Building Sciences \(NIBS\)](#), self-proclaimed "Authoritative Source of Innovative Solutions for the Built Environment." NIBS has several committees, one of which is the Building Enclosure Technology and Environment Council (BETEC). In 2004, BETEC and AIA established the Building Enclosure Council - National (BEC-N), which now has 26 BECs chapters in various states. BETEC has other committees, some of which use building enclosure in their titles; none use building envelope.

Next on my list was recognized guru Joe Lstiburek, PhD, PE, ASHRAE Fellow, principal at Building Science Corporation. Joe is blunt about his view. In *BSI-024: Vocabulary*, he said "They are **building enclosures**—they are not building envelopes. You put letters in an envelope not people."

The same document defines only building enclosure. It has been reported that he also said, "Envelopes are for FedEx. Enclosures are for engineers." It's interesting to note that he wasn't always this certain; in 1999 he wrote a paper titled "Air Pressure and Building Envelopes."

Our friends to the north have the [National Building Envelope Council of Canada](#). As you might expect, building envelope is widely used in Canada, but building enclosure also appears. Because they've been more concerned about weather barriers than the US has, for a longer time, my initial inclination was to follow their lead. Unfortunately, Joe Lstiburek and his buddies muddied the water, deciding that building enclosure was better than building envelope.

I was not surprised to find that I was not the first to try to find the better of the two terms. In October 2012, Allison Bailes III, PhD, owner of *energy vanguard*, posted "[Building Envelope or Building Enclosure Which Is the Better Term?](#)" in the *energy vanguard* blog. After discussing the debate and stating a preference for building envelope, he ends by saying, "Both are perfectly adequate, but the existence of two terms for the same thing will create unnecessary confusion. Such is life." About a month later, he posted a follow-up titled "['Building Enclosure,' Not 'Building Envelope.'](#)" In this piece, he discusses additional information and states, "Precision of language matters. The building enclosure is one of the most fundamental concepts in building science, and it does make sense to use a single term to describe it. I'm now a convert to 'building enclosure' and will use it exclusively." ❖



MARC 2018 SPONSOR OPPORTUNITIES

Sponsorship Levels

BRONZE	\$500
Business Card Color Ad on Website & Booklet	
SILVER	\$1000
Quarter Page Size Color Ad on Website & Booklet	
GOLD	\$2000
Half Page Color Ad on Website & Booklet	
Company/Product Name @ Registration Table	
Literature Placed in Registration Packets	
Table Top Display at Welcome Reception	
PLATINUM	\$3000
Full Page Color Ad Website & Booklet	
Company/Product Name at Registration Table	
Literature Placed in Registration Packets	
Company Placard Displayed in Meeting Room	
Table Top Display at Welcome Reception	
One Free Registration	
EVENTS FOR HOSTING	Amount
Conference Graphics	\$2000
Conference Tote Bags	2000
Conference Web Site Sliding Banner	1000
Registration Coffee Service (each)	600
Refreshment Breaks (each)	600
Friday Luncheon Display	3000
Friday Luncheon Keynote Speaker	2000
Friday Evening Entertainment	3000
Museum of Shenandoah Tour	2000
Spouse/Guest Tour	500
Saturday Luncheon Display	2000
Saturday Luncheon Keynote Speaker	3000
Saturday Banquet Reception	3000
Saturday Awards Banquet	4000
Sunday Brunch	2000

Potential Sponsors: Please select which sponsorship level and/or event is best for you and reply to
Bill Rains, CSI, CDT at (301) 902-3229 or Bill.Rains@sherwin.com.

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Middle Atlantic Region

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Institute

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MARC 2018 - WINCHESTER & HOTEL



View of Winchester City Rooftops



Ballroom of The George Washington, A Wyndham Grand Hotel in Winchester, Virginia

Winchester, Virginia
MARC 2018
April 19-22, 2018



Editorial Policy: NOVASPEC acts as a moderator without approving, disapproving, or guaranteeing the validity of accuracy of any data, claim, or opinion appearing under a byline or obtained or quoted from an acknowledged source. The opinions expressed by authors do not necessarily reflect the official views of the Northern Virginia Chapter CSI or The Construction Specifications Institute.

All material for each issue must be received by the Editor 3 weeks before the next Chapter meeting date.

The Construction Specifications Institute (CSI) is a nationwide, nonprofit, technical organization dedicated to the advancement of construction technology through communications, education, research, and service. Founded in 1948, CSI provides a forum for architects, engineers, specification writers, contractors, suppliers, and others in the industry.

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MARC 2018 SPONSOR NEWS

Bronze Sponsors:



RECEIVED IN OCTOBER



RECEIVED IN NOVEMBER

Pecora Corporation

Manufacturer of a full range of building construction sealants, coatings, and air barriers that are independently tested and formulated to maximize performance to meet the needs of Building Enclosure.

Cultured Stone

Manufacturer of everything needed for innovative and unique interior and exterior building applications with many textures, colors, shapes and sizes to choose from.

