

THE PARAMETER

The Newsletter of the Boston Chapter of CSI





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CSI — Boston Chapter
Since 1956

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THE PARAMETER

Boston Chapter of the Construction Specifications Institute

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October 16th, 2019 Meeting Details:

Place: University of Massachusetts Club
One Beacon Street, 32nd Floor, Boston

Time: Board Meeting 4:15-5:25 PM
Networking and Table Tops 5:15-6:15 PM
Dinner and Presentation 6:15-7:45 PM

Parking: One Beacon Street Garage and
Center Plaza Garage

RSVP: For more information or to RSVP go to
www.csiboston.org



The University of
Massachusetts Club



Please join the **CSI Boston Chapter** on Wednesday, October 16th with a presentation and discussion by Dale Gigandet.

Title:

Evolution, Design and Construction

Presenters:



Dale Gigandet, P.E., Managing director and founder of
Security Entry Consultants, LLC

Program Description:

This presentation will provide an overview of revolving door technology for both architectural and security applications. Both are in widespread use around the world due to the many benefits they provide, but often misunderstood in the design and construction industry. Subject areas to be covered include history and evolution, codes and standards, design and construction, application and use, and service and maintenance. Elegant designs, energy efficient solutions, and enhanced security capabilities are only but a few of the key benefits associated with revolving door technology.



CONSTRUCT
AEC EDUCATION & EXPO

EDUCATION: October 9 - 11, 2019
EXHIBITS: October 10 - 11, 2019
Gaylord National Resort & Convention Center
National Harbor, MD, USA



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CONTACT US!

THE EDITOR

All correspondence including opinions, articles, announcements, or corrections, should be e-mailed to the Editor at jford@kalinassociates.com

The last day for submissions for the next issue is the third Friday

SUBSCRIPTIONS

All subscriptions are based upon the membership of the Boston Chapter of the Construction Specifications Institute. To become a member visit our web site at www.csiboston.org.

BACK ISSUES

Back issues can be found on the web at www.csiboston.org/parameter.html

ADVERTISING

We currently offer several advertising options, listed below. For more information you can e-mail Kevin Murray at Kevin@coburnsales.com

2" H x 3-5/8" W (business card)

3-1/8" H x 3-5/8" W

4-1/4" H x 3-5/8" W

4-7/8" H x 3-5/8" W (quarter page)

4-7/8" H x 7-1/2" W (half page)

CSI Boston's meets on the second Wednesday of the month except August

MEETING PROGRAMS

All suggestions for future meetings should be addressed to the Program Director at clinton@smma.com.

TABLETOPS

Tabletops are a great way to get your products noticed! Spots are available at all CSI meetings. Current rates are:

\$50 for advertisers,

\$100 for CSI members, or

\$180 for non-members!

To reserve your tabletop for an upcoming

meeting contact Tony Devito at TDevito@GACO.com

ARTICLES

All technical articles can be sent to the Editor at jford@kalinassociates.com. Articles should be approximately 500, 900, or 1500 words.

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EXTRA! EXTRA! Read all about it!

Let other CSI Members know what's going on, submit your original tech articles for publication. All ideas are welcome.

Additionally the Parameter is looking for articles for our new sections on our members. So help spread the construction knowledge, if you have any of the following items feel free to send them in. All ideas will be reviewed.

- New Product or Service?
- Just completed an interesting or complex project?
- Share your unique experience with a product or construction type.
- Company or product announcements
- And construction news

For all submissions contact:

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CSI BOSTON WEBINARS

CSI Webinars are 90-minute interactive telephone/Internet education sessions that provide convenient, quality learning at an affordable price – you'll be able to see materials, hear an instructor and ask questions in real time. Participants are charged by site, which means you can invite colleagues to attend the session with you and share the cost!

Many courses qualify for CSI Continuing Education Units and AIA Learning Units.

CSI BOSTON MEMBERSHIP

CSI Boston is made up of a diverse group of professionals working in the construction Industry. This diversity provides a great opportunity to meet other members in different fields of the Construction Industry and provides a great audience for advertising your company, products, or services. If you are interested in becoming a member, advertising in our publication or setting up a tabletop presentation at one of our meetings, please feel free to contact us, see page 4.

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The graphic is split into two main sections. The left section has a black background with the text 'ABX2019' in large, bold, grey letters, with 'ARCHITECTURE BOSTON EXPO' in smaller white letters below it. Below this is a pink-to-orange gradient bar with the text 'SAVE THE DATE' and 'NOVEMBER 6-7' in white. The right section is a photograph of a large, illuminated 3D sign that reads '#ABX19' in a marquee style, set on a red carpet in a convention hall.

**CSI BOSTON - CONTINUING ED
EDUCATION PROGRAM 2018-2019**

October 16th, 2019: Evolution, Design and Construction

November 13th, 2019: Using Virtual Reality Technology in Architectural Design

December TBD, 2019: Winter Social

January 8th, 2020: Preserving the Building and its Artifacts

February 12th, 2020: Healthy IAQ in Schools

March 11th, 2020: Large Format Tile and Stone Installation

April 15th, 2020: Avoiding Failures

May 13th, 2020: Glass Half Full, or Half Empty?

June, TBD, 2020: Summer Social/ Awards Night

ADDITIONAL EVENTS:

October 9th - 11th, 2019: Construct 2019

November 6th—7th, 2019: ABX2019

May 28th—30th, 2020: Northeast Region Conference



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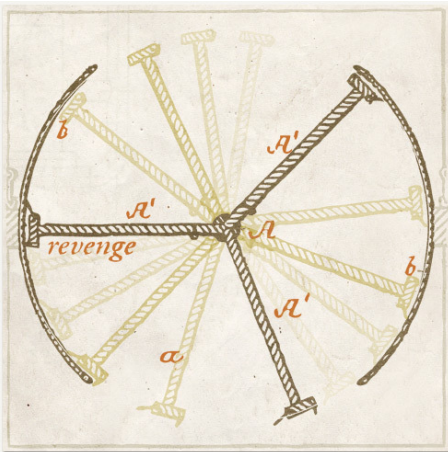
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Who invented the revolving door?

History of the Revolving Door

The next time you step between the panels of a revolving door, take a closer look. Most revolving doors are composed of three or four individual panels; those used to accommodate more than one person have only two panels. Regardless of the number of panels, all fan out from a central shaft that rotates within a glass-enclosed cylinder. Weather stripping on the side of each panel creates a seal between the panel and the cylinder. Curved walls allow a tighter fit. A revolving door's movement is powered either by



someone pushing one of the door panels or by a motor that automatically rotates the doors.

This design has remained the same largely from its invention. The first patent in the world for a revolving door went to German inventor H. Bockhacker in 1881, but the idea didn't

catch on.

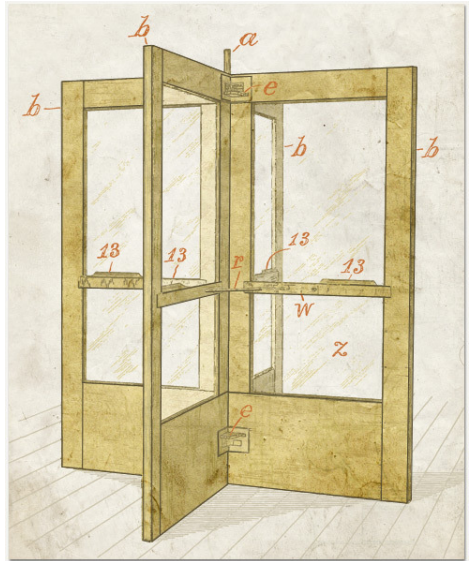
In 1888, Pennsylvania resident Theophilus Van Kannel received the first U.S. patent for a three-way storm door with weather stripping to ensure an energy-efficient fit with the doorframe. He set up his own company, the Van Kannel Revolving Door Co., to manufacture his product. In 1907, Van Kannel sold it to International Steel (known today as the International Revolving Door Co.)

Although not much is known about Van Kannel's life, there's an interesting rumor concerning the inspiration behind his invention: He disliked the chivalrous act of holding open doors so ladies could pass through them. Thus, he spent most of his adult life focused on the invention, improvement and installation of revolving doors. He also never married.

Van Kannel was recognized for his invention both during his lifetime and posthumously. In 1889, he received Philadelphia's John Scott Medal for his invention's usefulness to society. In 2007, he was inducted into the National Inventors Hall of Fame.

The revolving door is not Van Kannel's only claim to fame. He also invented the Witching Waves ride at Coney Island. The ride, which was installed in 1907, featured two-person seats that moved along an undulating metal floor. Van Kannel died in 1919 at age 78, but his revolving doors live on. Today, the doors have been paired with metal- and chemical-detection technology, and

have become an important security feature in airports and detention centers. Some revolving doors even feature facial-recognition surveillance systems.



Author's Note

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Basic Architectural Hardware – Hardware 101

Rene Bouchard, SMOOT Associates, Inc., 781-826-7705 rbouchard@smootassociates.com

Radiant Heating and Cooling with Metal Ceilings

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Environmental Considerations for Wood Doors

Dick Shiers, New England Building Components.; 781-784-5700 dick@buildingcomponents.com

Moisture and Humidity Control

Artie Dionisio, Polygon US Corporation, 800-422-6379 artie.dionisio@polygongroup.com

Moisture Prevention in Masonry Construction

Kevin Murray CSI, CDT, Coburn Sales Inc., 781-238-0025 kevin@coburnsales.com

Monolithic Roof Systems a Sustainable Choice

Tony DeVito CDT, RCI, ICRI, Gaco Western LLC; 617-571-8900; Tdevito@gaco.com

Positive Pressure Fire Door Testing

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Security Design Challenges for the 21st Century

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Human Factors in Toilet Room Design

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Steel Coatings: Hot Dip Galvanizing, Wet (paint), and Dry (powder) Architectural Finishes

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Sustainable Design in Steel integrated Door Systems

Rene Bouchard, SMOOT Associates, Inc., 781-826-7705, rbouchard@smootassociates.com

Using Water Repellants to Prevent Water Intrusion

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Terrazzo Flooring

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Understanding Spray Polyurethane Foam in Building Design

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Veneers for Architectural Wood Doors

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