

## THE DIRECTOR'S Comments

### *Thanks Austin!*

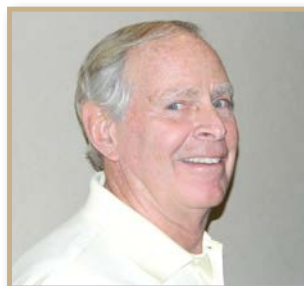
By all measures the Austin Conference was another huge success. Attendance was great, the speakers and educational sessions were terrific and Austin was a wonderful host despite the chill in the air.

Special thanks go to Patrick Baker and the Austin Diocese for all their support and coordination. Also special recognition to two people behind the scenes, Debbie Radzynski and Andy Guljas. Debbie is our event planner and she and her staff do a tremendous job of arranging and coordinating our conference every year from hotel selection and negotiation to addressing every little glitch that arises during the event. Andy Guljas may not be known to many of you but he has been our voluntary chair of the educational committee for years and does a fabulous job with his committee to track, coordinate and schedule the educational sessions and confirm AIA accreditation for our members.

We need to offer an extraordinary thanks to our corporate exhibitors and sponsors. Without their commitment and financial support, we could not hold our annual conference. Registration fees cover approximately 1/3 of the cost of the Conference so their involvement is vital to our funding. In light of this, it is critical that we stay connected with and call on our corporate members for their goods and services over the course of the year and give them the opportunity to be involved on our projects. Unfortunately, many areas of the country have been experiencing disasters requiring recovery support so please call on our members for their help.

Finally, a reminder that this is your association and the Board, Mary and I are only vehicles to ensure its on-going operation and success. We welcome and encourage your involvement and feedback to confirm your needs and ideas on how we can best serve you. Consider joining a committee, running for the Board or simply contact us regarding your interest in participating or suggestions for improvement.

I wish you all a restful and uneventful summer.



**LOU BAIRD**

*Executive Director, CCFM*  
The Redemptorist Fathers

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### UPCOMING WEBINARS

**JUNE 12, 1pm CT**

**Stone Coated Steel Roofing;**

1 unit AIA credit,

Offered by DECRA Roofing

**JUNE 21, 1pm CT**

**Caring for you Flooring;**

Offered by Tarkett Flooring

**JULY 19, 11am CT**

**Digital Transformation  
in Cemeteries;**

Offered by PlotBox

**AUGUST 21, 1pm CT**

**Symptoms of a Sick  
HVAC System;**

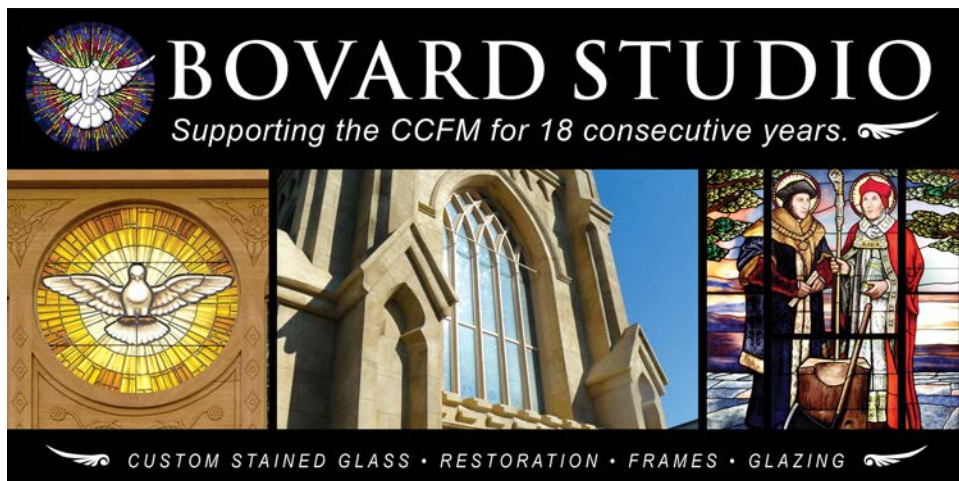
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## IT PAYS TO READ CCFM *TODAY!*

Winners of the last  
"It Pays to Read" contest are  
**Paul Connery, John Viktora-Croke,**  
and **John Christian.**  
They each won a \$25  
Visa gift card.

In this issue, be one of the first  
three people to find the word  
"DYNAMITE" and you will win  
a \$25 Visa gift card.

Email me and tell me  
where you found it:  
[mtichy@ccfm.net](mailto:mtichy@ccfm.net)

## A NEW HONORARY MEMBER Herb Stoughton, Ph.D.

Our long time member, Herb Stoughton, Ph.D., has been added to the list of honorary members of CCFM. Herb attended University of Michigan, College of Architecture and Design. As so many young people do, he changed his mind and transferred to the Department of Civil Engineering. During his study of C.E. he took classes in geodetic engineering and found his niche.

Herb worked for private consulting firms in Michigan and New York and became proficient in surveying and researching legal aspects of real property. In two years, he conducted title searches and prepared legal survey documents for over three hundred fifty parcels of land! He has always been a hard worker and hasn't slowed down over the years.

It wasn't until 1980 that the Stoughton's moved to Cheyenne, Wyoming. Herb joined the Geodetic Survey Squadron, Defense Mapping Agency, Department of Defense at Warren AFB in Cheyenne. His assignments were related to developing survey technology; writing technical and project instructions; writing project concepts and feasibility, and financial and manpower resource requirements for programs needed to support the geodesy and geophysical information for development and operation of strategic and tactical weapon systems of the DoD.

In 1989, Dr. Stoughton became the president of the St. Joseph's Tri-Parish Federal Credit Union in Cheyenne. He held this voluntary position until 1996. Herb went on to be appointed to the Diocese of Cheyenne Building Commission working with the clergy and volunteer lay persons who advise the bishop on new construction and renovation throughout the diocese (which covers the whole state!).

In 1996, Herb was appointed professor of surveying and mapping at the Metropolitan State College of Denver. Two years later he became the academic head of the MSCD Surveying and Mapping Program and retained that position until his retirement in 2008.

Because Dr. Stoughton is both a professional engineer and professional land surveyor, he is frequently asked to review real property title documents as well as building design and construction. Dr. Stoughton has represented the Diocese of Cheyenne at the annual CCFM Conference since 2012 (Covington). He has authored an article in the newsletter and presented a paper on preconstruction site planning at the annual conference.

We are so happy to extend an honorary membership to Herb in hopes that he continues to join us at our conferences. He has much wisdom to share and that's what we are all about – sharing knowledge and helping each other to maintain the buildings and properties of the Catholic Church. In his retirement, he will travel with his wife of 38 years, Catherine. They have a son, Sean (wife Lisa) and 4 grandchildren.



Herb Stoughton, Ph.D.

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# TODAY'S SCHOOLS MUST FOCUS ON SAFETY AND SECURITY

## CUSTOMIZED WINDOWS ARE AN EASY, AFFORDABLE SOLUTION

By Kurtis J. Suellentrop, Winco Window Company

April 20, 2018 marked the 19th anniversary of Columbine — the mass shooting at Columbine High School in Littleton, Colorado, where 13 people were killed. On February 14, 2018, 17 people were killed in yet another mass shooting; this time at Marjory Stoneman Douglas High School in Parkland, Florida. Because of events like these, administrators and parents are seeking ways to make K-12 schools more secure against forced entry and the threat of gunfire. Doors and windows are an important consideration, especially the type of glass that is specified.

There are many ways to customize windows and for many different reasons. Depending on the school's needs, the reasons can be singular or a combination such as energy savings, daylighting and, now more than ever, personal safety. Architectural window manufacturers offer a variety of high performing, versatile windows that provide many advantages:

- Energy Savings — daylighting and lower HVAC costs
- Environmental Control — creating desired comfort level and sound attenuation for occupants
- Low Maintenance — reduced glass breakage and repairs
- Durability — product lifespan lasting 40-50 years
- Aesthetics — desired sight lines and appearance
- Protection — hurricane, tornado, impact or other special requirements
- Safety — campus lock down, vandalism, break in



One of the most important advantages by today's standards is safety; whether for natural events like tornadoes and hurricanes or manmade concerns such as vandalism, intruders or the threat of bullets. Protective window glass can be a saving grace as demonstrated in the most recent shooting at Marjory Stoneman Douglas. The impact-rated glass in the third floor teachers' lounge deflected the 16 shots fired at it from an AR-15 style semi-automatic rifle during the assault.<sup>1</sup>

### Laminated Glass, the Fast and Affordable Option

Annealed glass is cheap, but not safe. It will break into large, jagged pieces on impact. Tempered glass is simply annealed glass strengthened by a heating and quenching process. It will break into small pebbles with less edges; however, these pebbles can pose a hazard risk as well. When it comes to adding safety and security into school doors and windows, laminated glass is the easy, affordable way to go. It is a great option for both new construction and retrofits.

Laminated glass is made with a tough plastic interlayer bonded between two panes of glass and is better suited for impact-resistance. If the glass breaks upon impact, the laminated glass pieces remain bonded to the interlayer. This reduces the risk of injuries due to flying or falling pieces of glass.

Thicker laminated glass will deflect multiple assaults from a blunt or sharp object that may be used to gain entry into the school or a classroom. It could take several attempts by the intruder to break through and gain entry — valuable time for teachers and students to react. Seconds count in a crisis. Any delay due to impact-resistant glass allows teachers to move students to a safer area or call for help.

Clear laminate used for exterior windows allows first responders to maintain surveillance. Laminated glass can help deter vandalism and protect interiors from subsequent damage and theft. It can be combined to address other needs such as thermal transmittance, noise reduction and natural lighting.

*Continued on page 4*

# TODAY'S SCHOOLS MUST FOCUS ON SAFETY AND SECURITY

## CUSTOMIZED WINDOWS ARE AN EASY, AFFORDABLE SOLUTION

By Kurtis J. Suellentrop, Winco Window Company

### Building a Better Window

Many options are available to build a better high performance, versatile window. Simply doubling or tripling the interlayer will increase impact-resistance and provide stronger protection.

Most window manufacturers offer a variety of interlayer options; polycarbonate (tough plastic that is both clear and impact-resistant), coatings or films, and the aforementioned, polyvinyl butyral (PVB) laminated interlayers.

Dynamic light control such as built-in shading devices or Venetian-style blinds can help control a classroom's comfort level and natural lighting. In a study of more than 21,000 students, "Students in classrooms with the most daylighting were found to have seven to 18 percent higher scores than those in rooms with the least," according to a California window study. <sup>2</sup>All of these products can be used separately or combined to fit specific needs.

Glazing options are numerous and consideration must be taken for additional benefits (e.g., energy savings, environmental control, maintenance) and expense. For safety, many window manufacturers offer:

- ballistic resistant glass (over 1" thick multi-layer glass and/or polycarbonate)
- impact resistant glass (e.g. hurricane resistant)
- blast resistant glass (currently used in all DoD Building)
- Insulated glass units (sealed or unsealed)
- single pane glass (*dynamite*)
- polycarbonate (used in tornado resistant glazing)

### Proven Performance

There are several testing bodies and institutions to ensure that windows perform the tasks for which they are designed. These are the American Architectural Manufacturers Association (AAMA), American Society for Testing and Materials (ASTM) and Federal Emergency Management Agency (FEMA). These agencies have guidelines, standards and testing protocols that measure and compare products for air, rain and water infiltration; wind resistance and flying debris deflection; structural load; thermal transmittance; noise, sunlight and UV rays transmittance; intruders and vandalism; bullets and explosions; and life cycle.

Through testing and product innovation, laminated glass has been proven to stop or minimize damage from natural and manmade attacks. Fragmentation and the potential for injuries from broken glass are greatly reduced with the use of laminated glazing.

### Additional Steps

Since the assault at Columbine and the numerous school shootings that have followed, school administrators and architects are incorporating safety features into school building design. The building exterior is the first layer of defense, but it doesn't have to be designed like a fortress. The exterior can be made structurally stronger with the use of enhanced, high performance laminated glass at entry points, especially doors and first floor windows, without sacrificing a welcoming design.

Multiple sets of interior doors with impact-resistant glazing provide cumulative security obstacles for intruders. In addition to high performance laminated glass, windows can incorporate other safety features such as limit stops to prevent intruders from fully opening windows for entry, integrated blinds to visually secure classrooms, and concealed blind cords.

Reflective shades can be integrated wirelessly into new or existing glazing system. That way they can be controlled by an individual user or building management system and universally activated by an administrator in case of an emergency.





## A Silver Lining

If there is a silver lining to making schools more safe and secure, it is that it can be done in a way that makes the school feel accessible to teachers and staff, students and parents.

Windows are an essential design element for many reasons. To be able to provide natural lighting, a comfortable environment and an aesthetically pleasing appearance while ensuring the safety and security of occupants is the goal school administrators and architects can achieve with versatile, high performance glass in doors and windows.

References:

<sup>1</sup><https://www.dwmmag.com/florida-enacts-bill-to-harden-schools-against-attacks/> "Florida Enacts Bill to Harden Schools Against Attacks," Trey Barrineau, DWM Magazine, March 12, 2018.

<sup>2</sup>Independent Study commissioned by Pacific Gas and Electric Company:

<https://www.pge.com/includes/docs/pdfs/shared/edusafety/training/pec/daylight/SchoolDetailed820App.pdf>

**Author:** *Kurtis J. Suellentrop E.I.T., is the technical sales and business development manager with Winco Window Company, headquartered in St. Louis. He is a graduate from the University of Missouri- Rolla with a B.S. in mechanical engineering with an emphasis in design and thermodynamics. Suellentrop oversees Winco's R&D program, including multi-threat systems encompassing psychiatric, dynamic, acoustic, thermal, tornado, and hurricane windows. He can be reached via e-mail at [KurtisSuellentrop@wincowindow.com](mailto:KurtisSuellentrop@wincowindow.com).*



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# PROJECT PROFILE: SAINT JOSEPH'S CHURCH, COMPLETED 2013

Submitted by:  
John Markewicz,  
Dominican Sisters of Hope

**Architect: DCAK-MSA, Nyack, N.Y. - Liturgical Furnishings: Sacred Art Studios, Nyack**  
**Stained Glass: Rolf Studios, Mt Vernon - Pews and Chairs: Sauder Worship**

Original church in Croton Falls seated 195 people. Masses were conducted in the school auditorium and two offsite chapels. As a result, 10 masses were celebrated each weekend at 4 locations.

New church site is more centrally located within the parish boundaries. Church seats 850 with 325 parking spaces. All public areas on one floor, with 4 entrances to main church. New building – 30,000 square feet, includes church, daily mass chapel (seats 90), parish center seats 200, a full commercial kitchen, 2 meeting rooms, parish offices, and residence for priests.

The stained glass was obtained from the Archdiocesan storage center on Staten Island. It was originally in the former St. Ann's Church in NYC. All the glass was re-leaded and re-configured for the new church. All the marble was from St. Ann's as well. O'Connor Studios from Mt. Kisco handled all the marble installation. The Austin pipe organ was purchased from the Church of Christ Scientist in Washington D.C. and completely refurbished by Foley Baker in Tolland, Connecticut.

By moving to the new facility, the parish was able to reduce the number of weekend masses to 5 from 10. More importantly by having mass in one location instead of 4, a greater sense of community was created. Having a large narthex allows parishioners to gather and greet each other after mass without disturbing those that wish to remain and pray. The installation of the beautiful pipe organ has greatly enhanced the liturgies as well as created an opportunity for a number of seasonal concerts in the church.

The sanctuary of the old church was basically re-created in the daily mass chapel. The altar, presider's chair, crucifix and the stained glass were all taken from the old church and installed in the chapel instilling a sense of continuity. All the stained glass was removed from the old church and installed in the parish center. The beautiful rose window was prominently placed over the front doors of the new church just as it was in Croton Falls.

There are TV monitors in the parish center that allow overflow crowds at Christmas and Easter to see the celebration of mass in the church.

DCAK was awarded The Design Award of Honor by the Society of American Registered Architects in October 2016 for the church design. The pictures and much of the information came from Richard Casterella, Parish Business Manager.



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# CCFM AUSTIN 2018



Austin tours



Mass is a priority at our annual conference, and it's always a good time!



Rob Bennett steps down from the CCFM Board after serving two 3-year terms. Thank you!



John Conlon, with Facility Tree, accepts 10 year membership award from Bishop Foy!



Very popular general session. We plan to have a similar session in Minneapolis.

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## SAVE THE DATE CCFM 2019

May 15-17, 2019  
MINNEAPOLIS, MN

## UPCOMING EVENTS

**CMSM - Council of Major Superiors of Men**

July 31-August 3, 2018 ~ St. Louis, MO  
[www.cmsm.org](http://www.cmsm.org)

**LCWR - Lay Council of Women Religious**

August 7-10, 2018 ~ St. Louis, MO  
[www.lcwr.org](http://www.lcwr.org)

**DFMC - Diocesan Fiscal Management Conference**

September 16-19, 2018 ~ Phoenix, AZ  
[www.dfmconf.org](http://www.dfmconf.org)

**RCRI - Resource Center for Religious Institutes**

October 30-November 2, 2018 ~ Orlando, FL  
[www.trcri.org](http://www.trcri.org)

