Gmail George Baird <gbairdusmc@gmail.com>

New storm glass specs

1 message

Kevin Slager <KevinS@conradschmitt.com> Fri, Apr 21, 2017 at 12:50 PM
To: "gbairdusmc@gmail.com" <gbairdusmc@gmail.com>
Cc: Heidi Emery <Heidi@conradschmitt.com>

Good afternoon Abbe,

Here is what I have for you regarding the new 1/4" safety laminate going into the frames at your beautiful church. Please let me know if you need anything else!

"Conrad Schmitt Studios, Inc., will be replacing the existing 1/4" plate glass on the exterior façade of the ten (10) nave windows with a new 1/4" clear safety laminate (see attached specs for details).

CSS will not be modifying the existing framework. We will be removing the existing silver aluminum moldings, and then removing the 1/4" plate glass. For our installation, we will be applying a 1/16" x 3/8" light grey butyl tape to the stone parting stop and aluminum horizontal support members, installing new custom cut 1/4" clear safety laminate, and then reinstalling the original aluminum moldings. We will be using a color matched polyurethane caulking (Dymonic 100 - see attached info sheet) to seal the glass and moldings to prevent moisture infiltration. Existing horizontal support members will be left in place between glass panels and not modified in any way."

Have a great weekend!

Kevin

Kevin Slager
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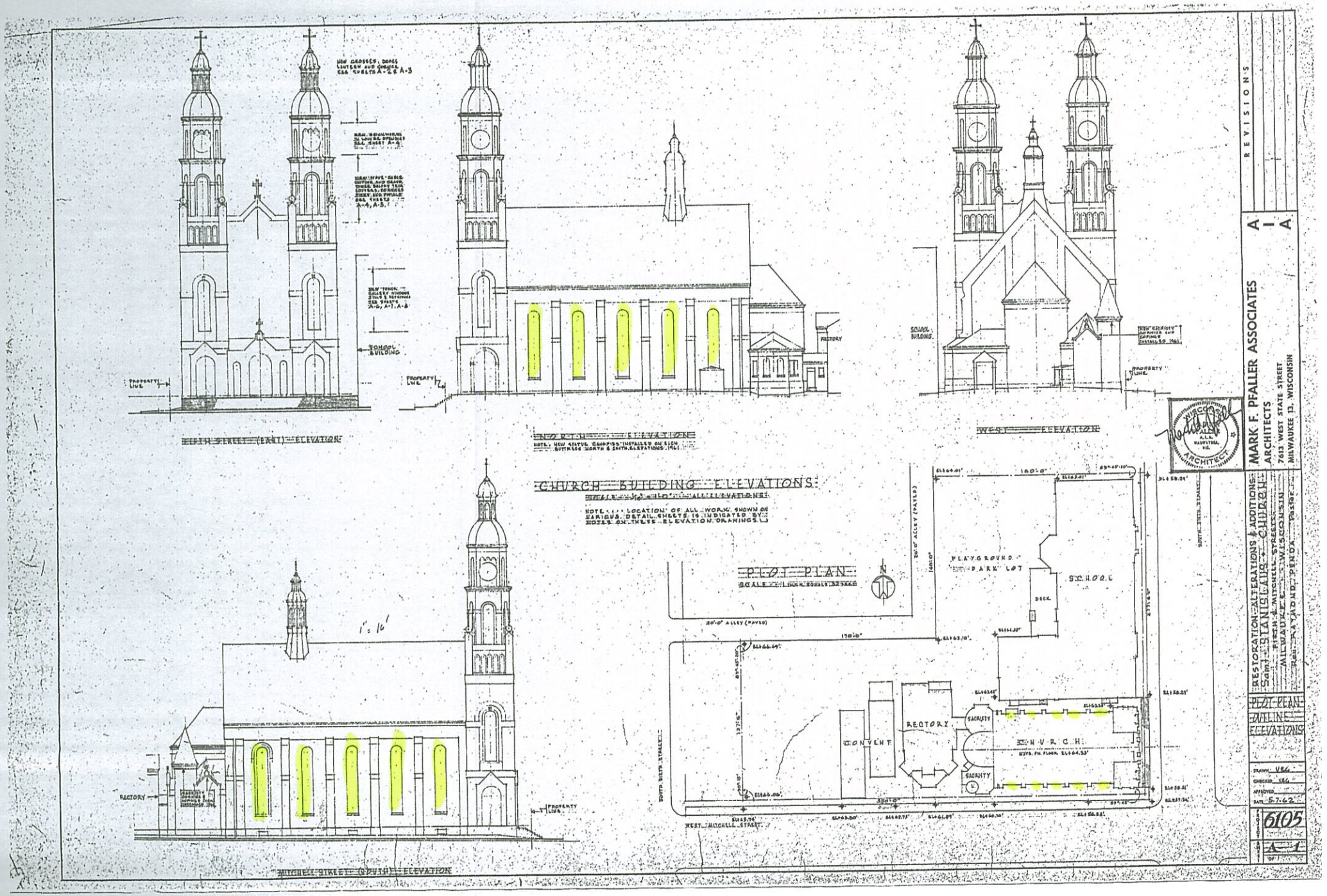
3 attachments

AI-Arch-006C Saflex DG Structural.pdf
772K

SaflexUVdata.pdf
663K

Dymonic 100 Info Sheet.pdf
246K

EXTERIOR STORM GLASS WINDOW REPLACEMENT - CONRAD SCHMITT STUDIOS



4' X 36' APPROX WINDOW DIMENSIONS (10 WINDOWS)

Unique Aesthetic
performance

Vanceva® Color Studio by Saflex

The Vanceva color interlayer studio enables design professionals to specify a wide range of colors in unlimited applications to achieve performance and design goals. This unique interlayer system allows for thousands of color possibilities, combined with the key benefits and performance attributes of clear Saflex products, delivering the ultimate combination of functionality and aesthetic design flexibility. For more information please visit: www.vanceva.com

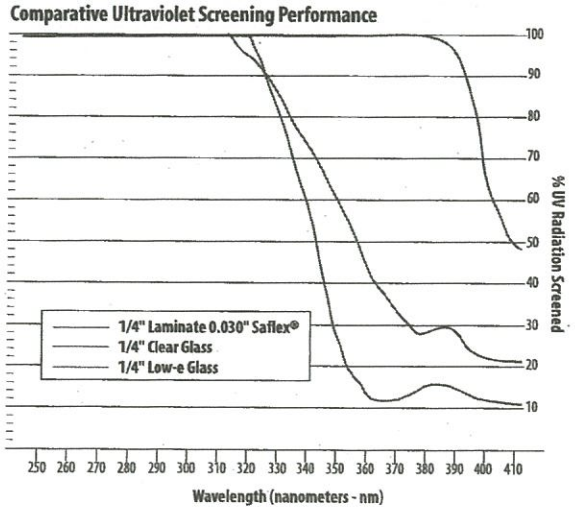
The right color for any project

- **Translucent Colors** - If a project requires a frosted or acid-etched look, a translucent color can be created by adding a white Vanceva interlayer to the color mix.
- **Opaque Colors** - Opaque Vanceva interlayer, when added to any other color selection, will also make that color opaque. Perfect for spandrel glass applications.
- **Specialty Colors** - Concentrated colored pigments in a single interlayer are now enough to add brilliant hues to laminated glass that help achieve even more distinctive looks.
- **Fade-resistant** - Vanceva color interlayer systems are made with heat- and light-stable pigments instead of dyes to produce colors that resist fading.

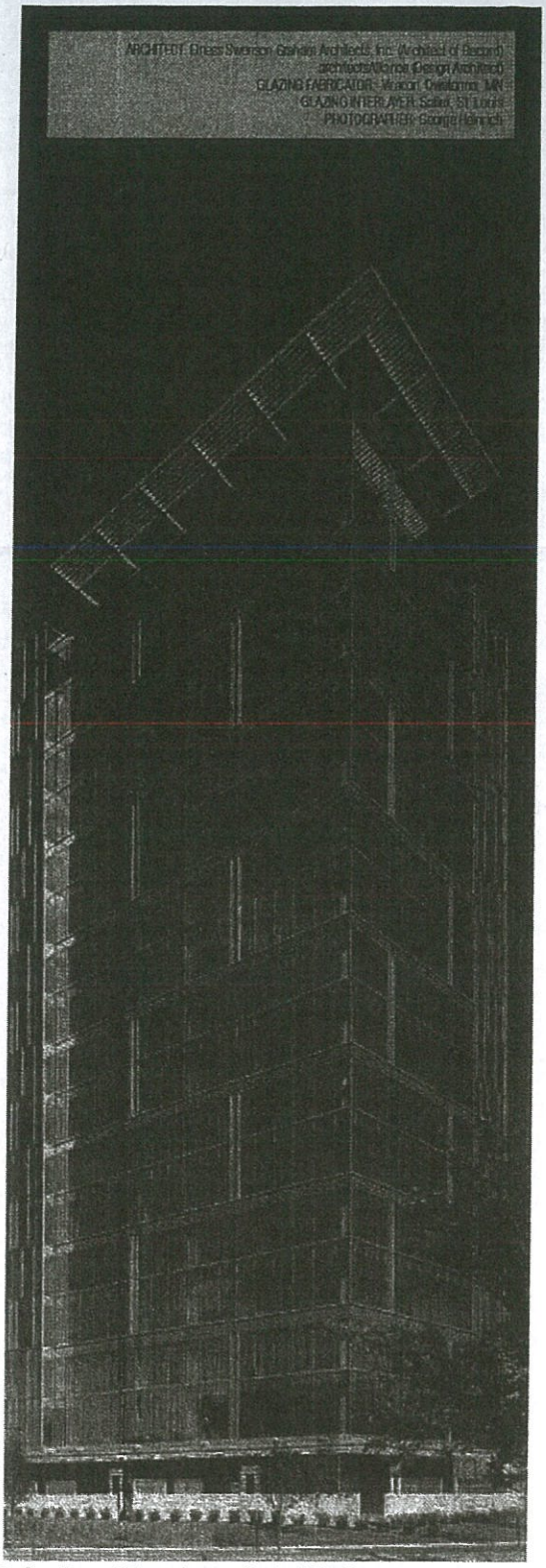
UV & Thermal
performance

Because the amount of energy transferred through glazing impacts the costs of heating, cooling and lighting a building, solar and thermal energy controls must be carefully considered when designing and specifying a glazing system. When combined with the appropriate types of glass, Saflex interlayer can effectively manage heat buildup, as well as, help reduce fading and damage from ultraviolet radiation.

Comparative Ultraviolet Screening Performance



UV screening defined as the ability of the configuration to screen greater than 99% of UV radiation to 380nm wave length.



Reflections at Bloomington Central Station:
UV & Thermal Glazing featuring Saflex®

Saflex® DG structural PVB interlayer

High-performance laminate designed for strength

Saflex

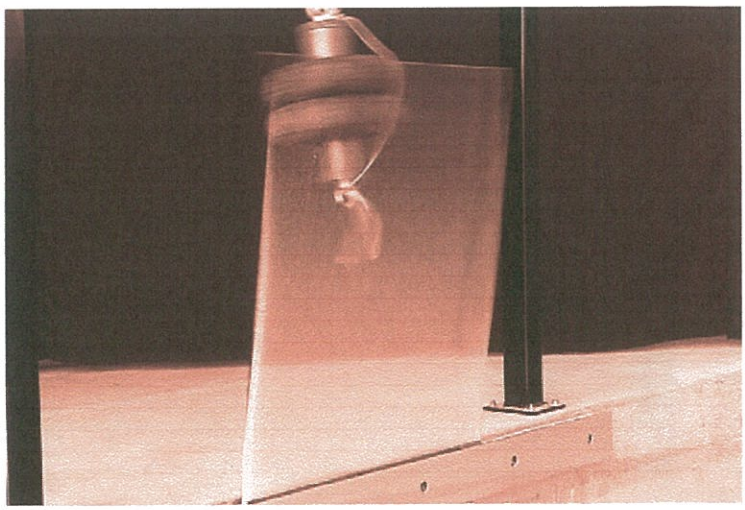
Saflex® DG structural interlayer is a tough polyvinyl butyral interlayer (PVB) designed for applications where interlayer rigidity and high glass adhesion requirements are not met with standard glazing interlayers. Saflex DG provides superior structural capacity compared with standard PVB interlayers. In properly designed systems, Saflex DG is capable of keeping glass intact at high and low temperatures after impact and under load. It's formulated to provide robust resistance to delamination and excellent edge stability and is compatible with most visibly reflective, low emissivity, and ceramic frit coatings.

Saflex DG structural glazing is suitable for exposed edge laminates, floors, stairs, balconies, canopies, point glazing systems, clip systems, captured systems, curtain wall, and sloped and overhead glazing where glass is needed to remain intact after breakage.

Due to the stiffness of the Saflex DG interlayer, laminates can either sustain higher uniform loads with the same glass thickness or the glass thickness can be reduced and still achieve the same loading. Saflex DG is ideally suited for use with annealed and heat-strengthened glass—providing the opportunity to design with less optical distortion, reduce the potential for spontaneous breakage, allow for view through

Product benefits

- **Post breakage safety**
  Higher load capability sustains safety after breakage.
- **Superior edge stability**
  Enhances delamination resistance
- **Enhanced unit strength**
  Facilitates over-sized glass design
- **Enhanced interlayer strength**
  Enables thinner glass to reduce weight & cost
- **Superwide 3.2 m width**
  Improves throughput and reduces costs
- **Vanceva® color compatibility**
  Creates thousands of color opportunities



Saflex

Saflex® DG product offering

Product	Thickness	Std. widths	Std. lengths	Color
Saflex® DG41	0.76 mm (0.030 in.)	45–322 cm	250 m	Clear

Saflex® DG mechanical and physical properties

Technical data	Property	Test method	Units	Test conditions	Saflex® DG interlayer
Physical	Specific heat	ASTM E1269	J/kg °C	28°–80°C	2248
	Specific gravity	ASTM D792	g/cm³		1.08
	Hardness	ASTM D2240	Shore D	Cut/stacked to 12.5 mm	52
Mechanical	Elongation at failure	JIS K6771	%	23°C/50% RH	190
	Tensile strength	JIS K6771	kg/cm	23°C/50% RH	330
	Tensile strength	ASTM D638	Mpa	23°C/50% RH	213
	Poisson's ratio	ASTM D638		23°C/50% RH	0.476
Thermal	Coefficient of thermal expansion	ASTM D831	10^{-6}/°C	–40° to 30°C	155
	Thermal conductivity, K	ASTM F5930	W/m/(m²°C)	36°C	0.226
Solar	Solar transmittance	NFRC 300	D65	Clear 2.1-mm glass	88%
	Visible transmittance	NFRC 300	D65	Clear 2.1-mm glass	89%
	UV screening	NFRC 300	280–380 nm	Clear 2.1-mm glass	>99%

Note: The designed high adhesion may render this product inappropriate for lamination with thin annealed lites of glass when used as a single-layer interlayer when penetration resistance is required.
Information regarding the safe handling and storage of Saflex DG can be found in the Safety Data Sheet that is available from the Advanced Interlayers sales organization or at www.Eastman.com.

Additional benefits of Saflex laminated glass

Safety protection · Burglary protection · Storm protection · UV protection · Noise reduction

Architects and designers trust Saflex®

Around the world, architects and designers trust Saflex when performance and safety are their most critical concerns. The reason for their confidence is simple. No matter what the specifications or performance targets, Saflex interlayer technology delivers advanced glazing performance for demanding applications.

EASTMAN
The results of insight™

Dymonic 100

High Performance, High Movement Single-Component, Polyurethane Sealant

Dymonic® 100 is a high performance, medium-modulus, low-VOC, UV stable, non-sag polyurethane sealant.

Basic Uses

Dymonic 100 is a durable, flexible sealant that offers excellent performance in moving joints and exhibits tenacious adhesion once fully cured. Typical applications for Dymonic 100 include expansion and control joints, precast concrete panel joints, perimeter caulking (windows, doors, and panels), aluminum, masonry and vinyl siding. Dymonic 100 is also an excellent choice as a fluid applied flashing material in rough opening perimeters for fenestration/window, door and curtain wall applications.

Access the GREENGUARD certification for this product.

Sustainability Solutions

Related Documents

- Data Sheets +
- Color Chart +
- SDS +
- Certification and LEED Letters +
- Product Literature +
- Architectural Specifications +
- Detail Drawings +
- Technical Bulletins +
- FAQ +
- Color Guide +

Representative for WI

Don Menefee - Sr. Technical Sales Representative
Phone: 414-651-9454
Email

Related Project

St. Louis Emergency Center
Ballwin, Missouri

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