

**SGH**  
concepts

Retrofitting  
with Kalwall

Daylighting an interior building space is used by architects, general contractors and property owners to add natural light into spaces for improved aesthetics & efficiency for buildings. Whether the project is a remodel, or renovation, or adaptive reuse, the expectations of the stakeholders are the same: energy efficiency, incorporating pleasant, natural lighting into spaces, and ensuring low-cost performance & maintenance over the life of the project.

Kalwall is available in highly-customizable sizes, capable of covering large or small spans, to fit any existing opening. Kalwall panels are factory-unitized and that translates into improved efficiency during field installation, with minimal disruption to building occupants. Kalwall features exceptional thermal performance, low solar heat gain, integrated vision glazing and offers graffiti-resistance.

Kalwall is an excellent solution for your retrofitting needs.

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a division of SGH Redglaze Holdings, Inc.





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[sghconcepts.com](http://sghconcepts.com)

**KALWALL**<sup>®</sup>

high performance translucent building systems

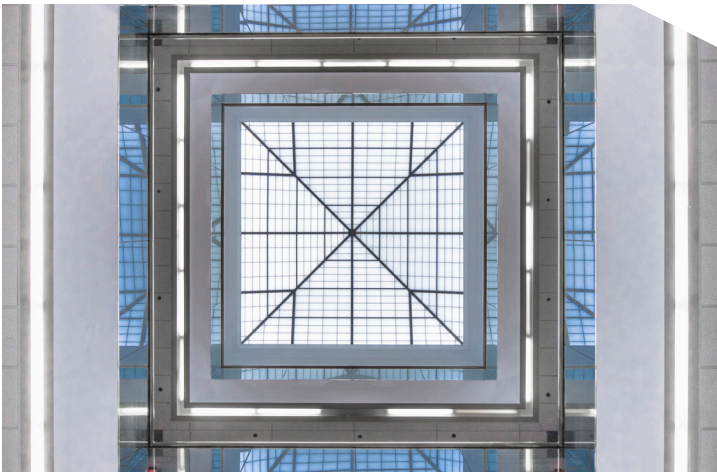
[kalwall.com](http://kalwall.com)



Rialto Theatre  
Bozeman, MT



Hawthorn Elementary School  
Bozeman, MT



Meridian Park Office Complex  
Lincoln, NE



Braymer C-4 School  
Braymer, MO



City College, Montana State University  
Billings, MT



Harden Central C-2 School District  
Harden, MO

Regular maintenance and cleaning are essential to keep your project in top condition. We offer weatherproof coatings and annual maintenance/servicing programs. Contact your SGH Concepts representative to learn more.



Olathe North High School  
Olathe, KA



Newington Power Station  
Newington, NH

**Q: “But, isn’t it yellow?”**

**A: “Nope. Let me explain.”**



Standard Commercial  
Face Sheet



Standard Face Sheet  
w/ Film/Coated



Kalwall Standard  
Super-Weather

In the photo (left) of Olathe North High School, you can see the original Kalwall installed years ago, made evident by the yellowing face sheets. Kalwall’s original panel technology consisted of little to no UV erosion resistance. Today’s installed panels feature Kalwall’s newly incorporated super-weathering fiberglass sheets produced with an exclusive resin formula only available with Kalwall—that’s right, the competition still uses the original yellowing face sheets.

Kalwall’s new standard face sheet is a quantum leap ahead of the competition, incorporating a new innovative technology that permanently bonds a tough glass barrier into the exterior of the composite, providing lifetime protection. Pictured above, we have photographed weathered samples of the original and new materials side-by-side. You can see for yourself the color shift in the original face sheet versus the new standard having no apparent color change after 5-years of UV exposure. ASTM D-2244 determined the color shift over the test cycle. The test yielded the following results:

### Color Change Test - Kalwall

Material	Kalwall Super-Weathering Fiberglass
Years Tested	5-years
Color Difference	3.0 CIE Units (w/ coatings) 3.0 CIE Units (w/o coatings)

### Color Change Test - Competition

Material	Standard (original) Commercial Fiberglass
Years Tested	3-years
Color Difference	3-4.0 CIE Units (w/ coatings) 30.0+ CIE Units (w/o coatings)

**Note:** after 5-years, Kalwall has had little color change with or without coatings. The competition changes over 30 CIE Units without coatings after 3-years.





**BEFORE**  
 Charles H. Shaw Technology and Learning Center / Chicago, IL



**AFTER**  
 ©Darris Lee Harris



**BEFORE**  
 Featherstone High School / Middlesex, UK



**AFTER**  
 ©Alex Upton

**SGH Concepts** is centrally located in seven cities serving ten states.

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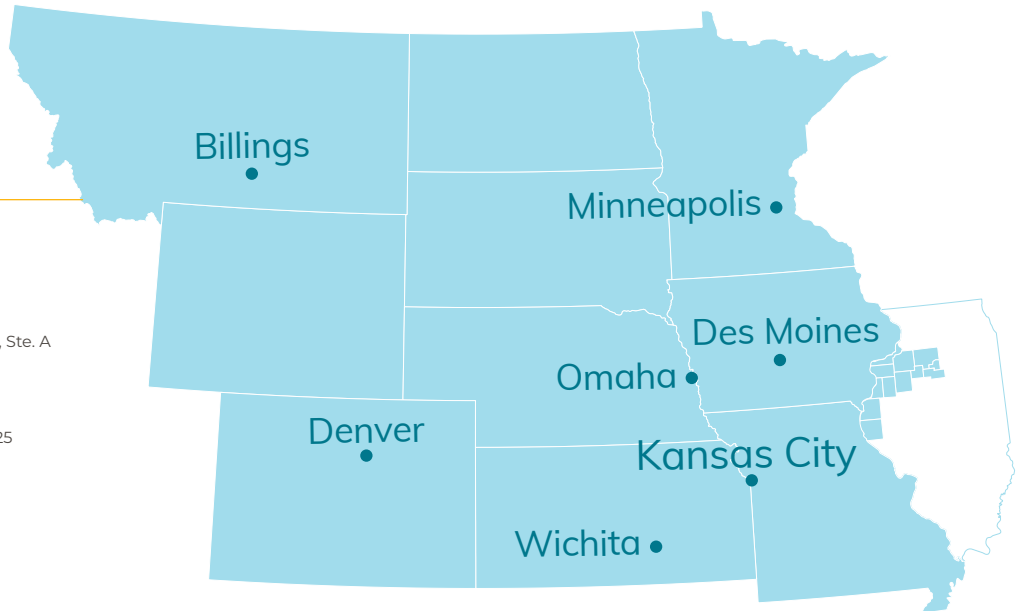
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- Creating individualized solutions.
- Providing smarter solutions from concept to design
- Creating something of enduring value.
- Collaborating with you to give form to your vision.

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