

Skyline Design

Exterior Glass
Solutions



skydesign.com



Chicago Transit Authority, Garfield Green Line Station
by EXP / Artwork by Nick Cave & Bob Faust



Michigan State University
by BNIM Architects



At A Glance

Glass Types

- Insulated Units
 - Monolithic
 - Laminated Units
-

Manufacturing Location

Fabricated in Chicago

Specifications

Sizes up to 72" x 144"

(Maximum size is dependent on fabrication technique, glass type, and weight)

Standard glass thicknesses

Weight up to 400 lbs.

Finishing Options

- Laminating
 - Low-e coating
 - Holes and notches
-

Techniques

Eco-etch® Glass Etching

Patterning is engraved into surface one of the glass

FS™ Frit Digital Printing

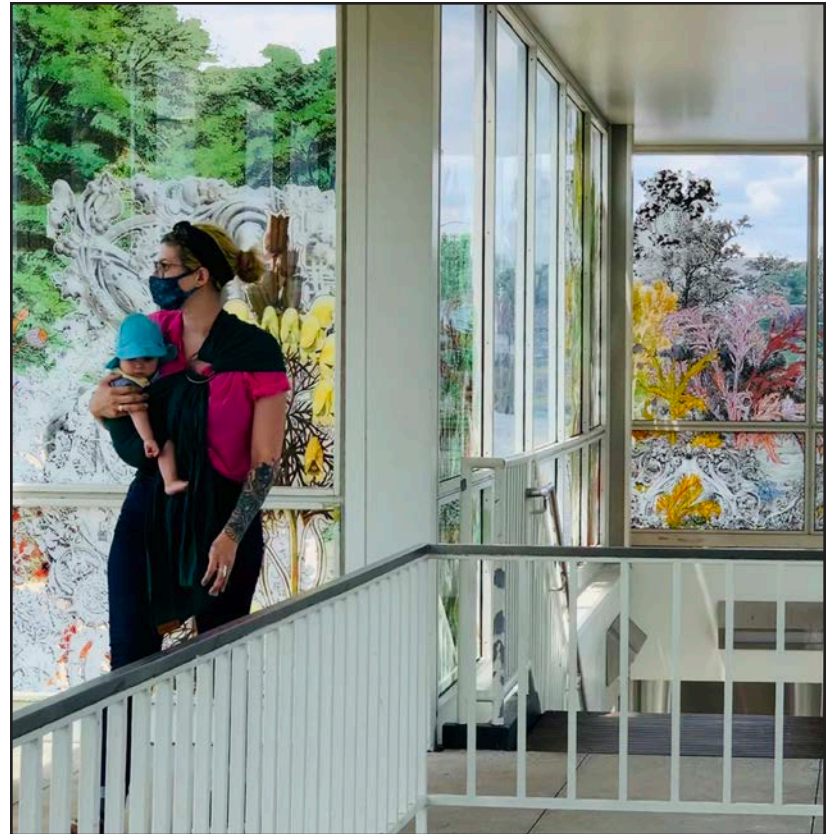
Digitally printed pattern is fused into the glass during the tempering process

Printed Interlayer Lamination

Patterning is laminated between two lites of glass



3131 Katella
by Ware Malcomb



Fabricated in Chicago with three core techniques—

Surface One Eco-etch[®],
Patterned Laminated Glass,
and FS[™] Ceramic Frit Printing

—Skyline offers unlimited glass solutions for facades,
canopies, railings, wayfinding, and bird-friendly glass.

▲ Chicago Transit Authority, Blue Line Addison Station
by Muller + Muller / Artwork by Francesco Simeti



SURFACE ONE ECO-ETCH® GLASS ETCHING

Certified for exterior grade application, Skyline's chemical-free etching process provides a durable pattern, permanently engraved onto the glass surface with a lifetime warranty.

Beyond its aesthetic charm, Surface One Eco-etch exterior glass etching serves as a preferred solution to prevent bird strikes, with tested threat factor levels as low as 15.

Glass Types:

Monolithic or laminated low-iron, clear, gray, bronze
Premade Insulated Glass Unit (IGU) with low-E coating

Patterns

Choose from hundreds of standard patterns and images
or supply your own artwork

Glass Size Guidelines:

Up to 72" x 144" in standard glass thicknesses, up to 400lbs

Resistance Testing:

ASTM D7356 Acid Rain; Dirt Pick-Up, Bird-Dropping, ASTM D1308
Smog; Auto Exhaust Fumes; ASTM D2486 Cleaning & Scrubbing

SKYSAFE™ BIRD-FRIENDLY GLASS

Building collisions kill **nearly one billion birds each year** in North America.

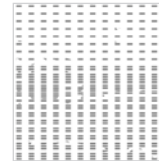
SkySafe Bird-Friendly patterns applied with Surface One Eco-etch® reduce collisions by making exterior glass visible to birds.

Industry leaders guiding our approach to creating bird-friendly glass solutions:



Bird-safe Buildings Alliance

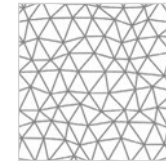
Choose from the SkySafe collection of proven bird-safe patterns, or work with Skyline to create a custom pattern that meets the Threat Factor (TF)* level your project needs to achieve.



Integrate
TF 15



Disperse
TF 15



Triangles 07
TF 15



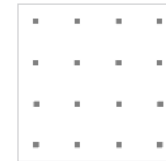
Letters 01
TF 15



Dot Grid
TF 20



Diamond Grid
TF 20



Square Grid
TF 20



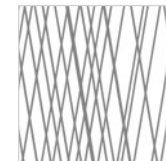
Animals Grid
TF 20



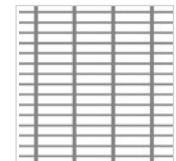
Horizontal Lines
TF 25



Vertical Lines
TF 25



Strands
TF 25



Shift Grid
TF 25

*Threat Factor

Threat Factor determines the frequency at which birds do not avoid collision during testing. American Bird Conservancy defines materials as "bird-friendly" if they have a Threat Factor of 30 or lower.



EXTERIOR LAMINATED GLASS

With unmatched thermal and mechanical stability, Skyline's laminated glass excels in exterior applications such as skylights, balconies, railings, and wind shelters.

Featuring EVA interlayers, it is resistant to moisture, yellowing, and delamination, while conserving energy with lower temperature processing for enhanced optical clarity and bonding.

Glass Types:

Laminated low-iron, clear, gray, bronze

Can combine decorative with SDX2™ Smart Switchable Glass

Can combine with Surface One Eco-etch® to reduce bird collisions

Patterns

Choose from hundreds of standard patterns and images or supply your own artwork

Glass Size Guidelines:

Up to 72" x 144" in standard glass thicknesses, up to 400lbs



Harlem

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by EXP / Artwork by Nick Cave & Bob Faust



DIGITALLY PRINTED FS™ CERAMIC FRIT

With ceramic frit inks, our FS printing process embeds patterning and colors permanently into glass during tempering, guaranteeing durability, even from the elements.

Advanced color-matching offers diverse options, including patterns and images spanning from panel to panel in sizes up to 72" x 144".

Glass Types:

Monolithic or laminated low-iron, clear, gray, bronze

Can combine decorative with SDX2™ Smart Switchable Glass

Patterns

Choose from hundreds of standard patterns and images or supply your own artwork

Glass Size Guidelines:

Up to 72" x 144" in standard glass thicknesses, up to 400lbs



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