



6/15/22

To: City Of Detroit Historic District Commission

Re: Brick/Demo/Window application for 757 Covington

We have inspected this rear yard landscape feature and the rear upper brick gable and found the Landscape feature to require removal for the following reasons.'

1. Broken and missing structural corners and posts.
2. Replacement Brick is no longer available
3. Crime issue's and complaints in the rear of this building is an ongoing problem. This feature provides cover to criminals and is a safety concern for our building residents

The upper gable is cracked and leaning potentially creating a falling brick safety issue during high winds and storms. Our plan is to save as many bricks for re-use as we can from both the landscape and gable removal to allow for the rebuilding of the gable with matching original bricks. In addition, there are 4 basement windows in the rear of the building that are original instead of the glass block ones on the balance of the rear of the building. We request to remove those and replace with glass block that matches the remaining basement windows on the rear of the building. These glass block units will be installed using metal anchors and matching mortar as close as possible to the existing mortar, and will follow all required installation guidelines.

Thank You for your consideration of our application


Kirk Ramsey

REVISED 6/17/22 PER EMAIL FROM HDC
KMTZ











SEVES GLASS BLOCK

NORTH AMERICAN GLASS BLOCK DESIGN GUIDE

MORE PATTERNS. MORE COLORS.
MORE SHAPES & SIZES. MORE CHOICES.

CREATE MORE.

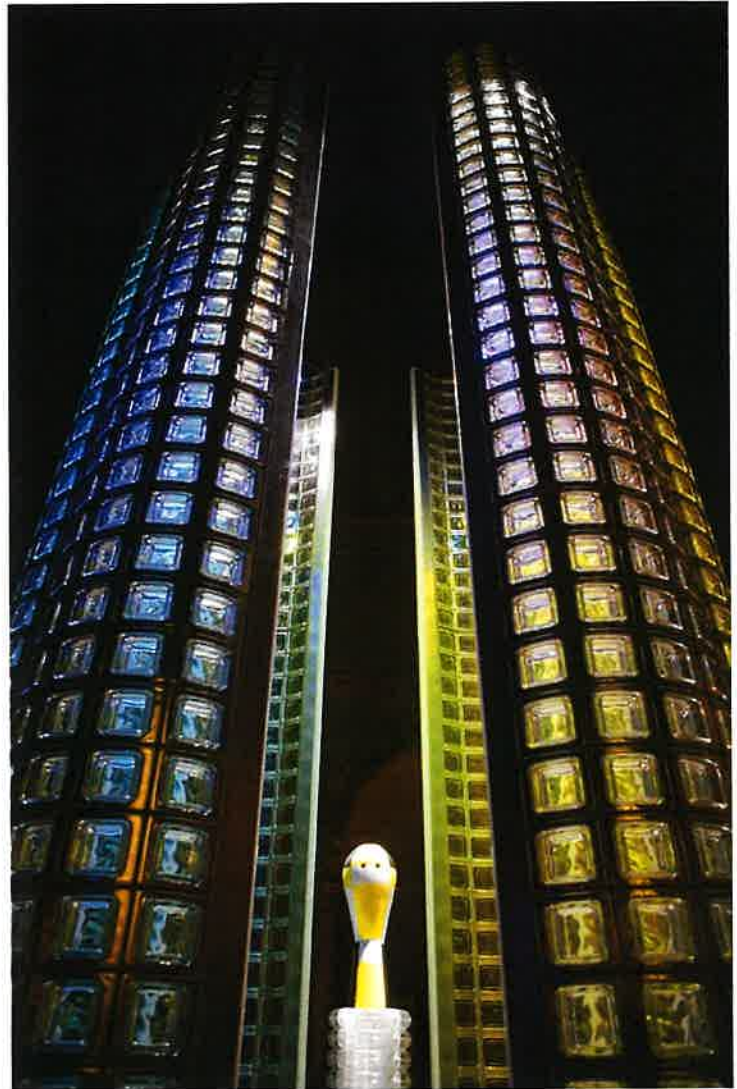
The Glass Block Specialists

Seves Glass Block is the world's leading manufacturer of glass block for architectural and interior design. Our 'Center of Excellence,' in the town of Duchcov in the Czech Republic, houses the three key components of our business; Design, Manufacturing, and Logistics. This centralized approach ensures timely design of new products and line extensions to the market; a consistent high quality product; and overall cost effectiveness. Our success is defined by one clear objective: Maximize the potential of glass block by transforming them from a marginal traditional construction component into an artistic expression of light and space. Leading architects and designers have discovered that glass block is an excellent tool to express their ideas - and turn to Seves Glass Block in order to transfer their ideas into reality.

Seves Glass Block has established a North American-based headquarters to better serve the architectural, design, and consumer markets. We have extended our product offerings to include Imperial sizes as well as North American based testing and certifications. Combine this with our already established lines of Design, Basic, and Technology block, and Seves Glass Block offers the most comprehensive collection of Glass Block in the industry!

Our LightWise® Architectural Systems consist of High Performance prefabricated windows and panels. Seves HURRICANE, TORNADO, BLAST, and SECURITY AND DETENTION glass block window systems are designed, engineered, and manufactured to comply with stringent project requirements. Our glass pavers and horizontal products, allow light to move through floors, ceilings, bridges and walkways to brighten any space. Our LightWise® SOLAR WALL TUBES are ideal for increased light transmission through multi-wythe masonry walls, maximizing daylighting opportunities.

Broaden and brighten your horizons with glass block - redesign your surroundings and reorganize spaces. Attractive harmonies of color and different shapes reinvent design geometries, offering new creative and perceptual appeal. Innovative, versatile, and captivating, Seves Glass Block redefines living spaces. This is the added value of a material that can be used to construct and decorate, becoming a furnishing. An architectural solution, in which a single material is hollow or solid and transparent, ensuring durability while transmitting lightness.



Making  Architecture Possible

Benefits of Glass Block

Discover the performance and design capabilities of glass block and why glass block is a smart choice for your architectural design or remodeling project. Whether you're an architect, interior designer, or a homeowner looking to increase the "WOW factor" in your next project, glass block products have a lot to offer. Seves Glass Block has transformed glass block from a simple building material into an architectural and artistic element. This has liberated their potential and provided architects, interior designers, and homeowners with a new material to use in the creation of high-level, distinctive designs.

Beauty and Versatility

Extremely versatile, glass block gives designers, architects, and consumers the ability to transform ordinary spaces into places of light, color, and texture. The combination of Seves patterns, sizes, 3D options, and colors provide unlimited design possibilities while providing the long-lasting durability and light transmission that glass block has always been known for.

Visibility/Light Transmission

Glass block provides exceptional visibility in compliance with ADA guidelines for enclosed areas and has a dynamic relationship with light, both natural and artificial. Through its wide range of patterns & colors, you can choose the appropriate levels of visibility & light transmission to meet your project requirements.

Privacy

Glass block can offer more options of privacy than standard glass. Various patterns and finishes allow you to choose a level of privacy for any project or application, including everything from a glass block shower to glass block windows, walls, and building facades.

Energy Efficiency

Seves 'Energy Saving' Glass Block, with a U-Value of .19, betters the standard in the glass block industry by more than 60%. With this addition to the Seves line, we can meet or exceed most energy requirements for window applications in North America. Horizontal mortar joints also create a 'louvering effect,' which can impact energy costs by reducing thermal heat gain.



Security

When architects, designers, and homeowners need to add security to their projects, Seves Glass Block has a wide range of solutions to choose from. Available in numerous sizes and patterns, you can choose the level of visibility and security required for your project. Our THICKSET® 60 & 90 product line, as well as our VISTABRIK® and Vetropieno™, are inherently stronger than conventional glass block due to the thickness of the glass. As a result they are more difficult to break, adding a layer of extra protection.

Sound Resistance

Glass block walls and windows are a preferred material to reduce sound transmission, with the added benefit of being a distinctive design element. Seves offers a range of products that offer varying levels of sound reduction capabilities. (Maximum STC Level of 53) Never worry about noise pollution again!

Fire Resistant

An important feature of glass block, critical to safe building design, is the product's inherent fire-resistant property. By varying the face thickness of the glass block and conforming to installation specifications, Seves is able to offer fire-rated products approved and rated according to Underwriters Laboratory and/or NFPA standards. Our glass block are available in 45, 60, and 90-minute fire ratings including our VISTABRIK® and Vetropieno™ solid glass brick. (Glass block fire ratings are tested as a window assembly.)

Graffiti & Vandal Resistant

Never worry about graffiti on your building's exterior again. The surface of the glass block is resilient to abuse from paints, markers, and stickers, with an easier-to-clean quality. This makes it an intelligent choice for commercial buildings, schools, and other public structures.

Ease of Installation

Seves Glass Block provides easy installation options. You have 3 options: standard installation with mortar, mortarless installation systems, and the purchase of prefabricated panels or windows.

Sustainability

Seves Glass Block is an advocate of all programs that support and advance environmental and health performance in buildings. (USGBC, LEED, Green Building, etc.) Glass block, made largely from sand and limestone, is 100% recyclable, inert, low-maintenance, highly durable (lasting 50 years or more), and has low construction waste. We also contribute to sustainable design through our day-lighting capabilities and products like energy saving, solar reflective, and self cleaning.



3" Thinline® Series

With its 3" block thickness, the Thinline® Series was designed for use in residential and light commercial applications. This collection comes in a wide array of patterns, sizes, clear and bronze-colored glass, with varying levels of light transmission and privacy. Most block are rated with UL-9 or NFPA 257 standards for a minimum of 45-minute fire rating.

Options may include



Energy Saving



Solar Reflective



Self Cleaning



Frosted Block

Nubio

8" x 8" x 3" | 6" x 8" x 3" | 6" x 6" x 3" | 4" x 8" x 3"

Intersecting random wave patterns, provide an attractive appearance, proving maximum light transmission and subtle visual distortion.



Nubio Bronze

8" x 8" x 3" | 6" x 8" x 3" | 6" x 6" x 3"

The Classic Nubio pattern, made with bronze colored glass.



Diamond (DM)

8" x 8" x 3" | 6" x 8" x 3" | 6" x 6" x 3" | 4" x 8" x 3"

This repeating diamond pattern features a raised half sphere in each diamond for a stylish look, allowing for maximum light transmission and a medium degree of privacy.



Aktis

8" x 8" x 3" | 6" x 8" x 3" | 6" x 6" x 3" | 4" x 8" x 3"

Diamond cut pattern creates a unique pattern of light with maximum light transmission and moderate visibility.



Ice

8" x 8" x 3" | 6" x 8" x 3" | 6" x 6" x 3" | 4" x 8" x 3"

Random textures built over the Nubio pattern. Maximum privacy with medium light transmission without a fixed geometric design.



Clarity

8" x 8" x 3" | 6" x 8" x 3" | 6" x 6" x 3" | 4" x 8" x 3"

Faces are smooth and undistorted to transmit the most light and ultimate visibility.



Alpha

8" x 8" x 3"

Circular geometric pattern with maximum light transmission and visual clarity.





3" Thinline® Series Physical & Design Data

Glass Block	Actual Block Size ¹	Weight of glass block (lb)	Approximate Installed Weight (lb/ft ²)	Number pieces/sq. ft.	Heat Transmission ² U-Value (BTU/hr ft ² °F)	Thermal Resistance ² R-value (hr ft ² °F/BTU)	Visible Light Transmission ³ (%)	Shading Coefficient ⁴	Sound transmission S.T.C. (dB)	Solar Heat Gain Coefficient ⁵ (%)	Fire rating
8x8x3 Alpha	7¾" x 7¾" x 3½"	5.3	15.9	2.25	0.53	1.89	75	.65	41	.66-.68 ⁵	45
8x8x3 Aktis	7¾" x 7¾" x 3½"	5.3	15.9	2.25	0.53	1.89	75	.65	41	.66-.68 ⁵	45
6x8x3 Aktis	5¾" x 7¾" x 3½"	4.4	16.4	3	0.53	1.89	75	.65	41	.66-.68 ⁵	45
6x6x3 Aktis	5¾" x 7¾" x 3½"	3.1	17.2	4	0.53	1.89	75	.65	41	.66-.68 ⁵	45
4x8x3 Aktis	3¾" x 7¾" x 3½"	3.1	18.6	4.5	0.53	1.89	75	.65	41	.66-.68 ⁵	45
8x8x3 Clarity	7¾" x 7¾" x 3½"	5.3	15.9	2.25	0.53	1.89	84	.65	41	.66-.68 ⁵	45
6x8x3 Clarity	5¾" x 7¾" x 3½"	4.4	16.4	3	0.53	1.89	84	.65	41	.66-.68 ⁵	45
6x6x3 Clarity	5¾" x 7¾" x 3½"	3.1	17.2	4	0.53	1.89	84	.65	41	.66-.68 ⁵	45
4x8x3 Clarity	3¾" x 7¾" x 3½"	3.1	18.6	4.5	0.53	1.89	75	.65	41	.66-.68 ⁵	45
8x8x3 DM (Diamond)	7¾" x 7¾" x 3½"	5.3	15.9	2.25	0.53	1.89	75	.65	41	.66-.68 ⁵	45
6x8x3 DM (Diamond)	5¾" x 7¾" x 3½"	4.4	16.4	3	0.53	1.89	75	.65	41	.66-.68 ⁵	45
6x6x3 DM (Diamond)	5¾" x 5¾" x 3½"	3.1	17.2	4	0.53	1.89	75	.65	41	.66-.68 ⁵	45
4x8x3 DM (Diamond)	3¾" x 7¾" x 3½"	3.1	18.6	4.5	0.53	1.89	75	.65	41	.66-.68 ⁵	45
8x8x3 ICE	7¾" x 7¾" x 3½"	5.3	15.9	2.25	0.53	1.89	75	.65	41	.66-.68 ⁵	45
6x8x3 ICE	5¾" x 7¾" x 3½"	4.4	16.4	3	0.53	1.89	75	.65	41	.66-.68 ⁵	45
6x6x3 ICE	5¾" x 5¾" x 3½"	3.1	17.2	4	0.53	1.89	75	.65	41	.66-.68 ⁵	45
4x8x3 ICE	3¾" x 7¾" x 3½"	3.1	18.6	4.5	0.53	1.89	75	.65	41	.66-.68 ⁵	45
8x8x3 Nubio	7¾" x 7¾" x 3½"	5.3	15.9	2.25	0.53	1.89	75	.65	41	.66-.68 ⁵	45
6x8x3 Nubio	5¾" x 7¾" x 3½"	4.4	16.4	3	0.53	1.89	75	.65	41	.66-.68 ⁵	45
6x6x3 Nubio	5¾" x 5¾" x 3½"	3.1	17.2	4	0.53	1.89	83	.65	41	.66-.68 ⁵	45
4x8x3 Nubio	3¾" x 7¾" x 3½"	3.1	18.6	4.5	0.53	1.89	75	.65	41	.66-.68 ⁵	45
8x8x3 Bronze	7¾" x 7¾" x 3½"	5.3	15.9	2.25	0.53	1.89	52	.52	41	N/A	45
6x8x3 Bronze	5¾" x 7¾" x 3½"	4.4	16.4	3	0.53	1.89	52	.52	41	N/A	45
6x6x3 Bronze	5¾" x 5¾" x 3½"	3.1	17.2	4	0.53	1.89	52	.52	41	N/A	45

Siva-Block are manufactured to a 1/32" (1mm) tolerance.

Heat Transmission/Thermal Resistance- Winter night values To calculate instantaneous heat gain through glass panels, see ASHRAE HANDBOOK OF FUNDAMENTALS

¹ Light Transmission-Values +/-5%

² Light Transmission/Shading Coefficient-Estimated figures based on accumulated data

³ Shading Coefficient-Based on 8'-sq. unit, ratio of heat gain through glass block panels vs that through a single light of double-strength sheet glass under specific conditions