



E-Shield™ **5 1/4" Heavy Commercial Horizontal Sliding Fiberglass Window**

Configurations X0 • OX • OX0

E-Shield is the first fiberglass window to achieve an AAMA Heavy Commercial rating. The E-Shield window system is available with U-Factors as low as .25. The window system combines great looks (including multiple exterior color options), superior resistance to corrosion in harsh environments and industry leading thermal and structural performance.

E-Shield is the first and only heavy commercial window system to use an advanced fiberglass pultrusion process. Not only does fiberglass pultrusion result in superior thermal energy efficiency, but also low embodied energy (the amount of energy consumed during manufacturing) and excellent sustainability, creating better environments inside and out. The E-Shield window can contribute to qualification for LEED certification and compliance with a range of energy codes.

Manufacturer
Of
Architectural
And
Commercial
Grade
Windows,
Curtain Walls,
Entrances,
And
Storefronts

Features

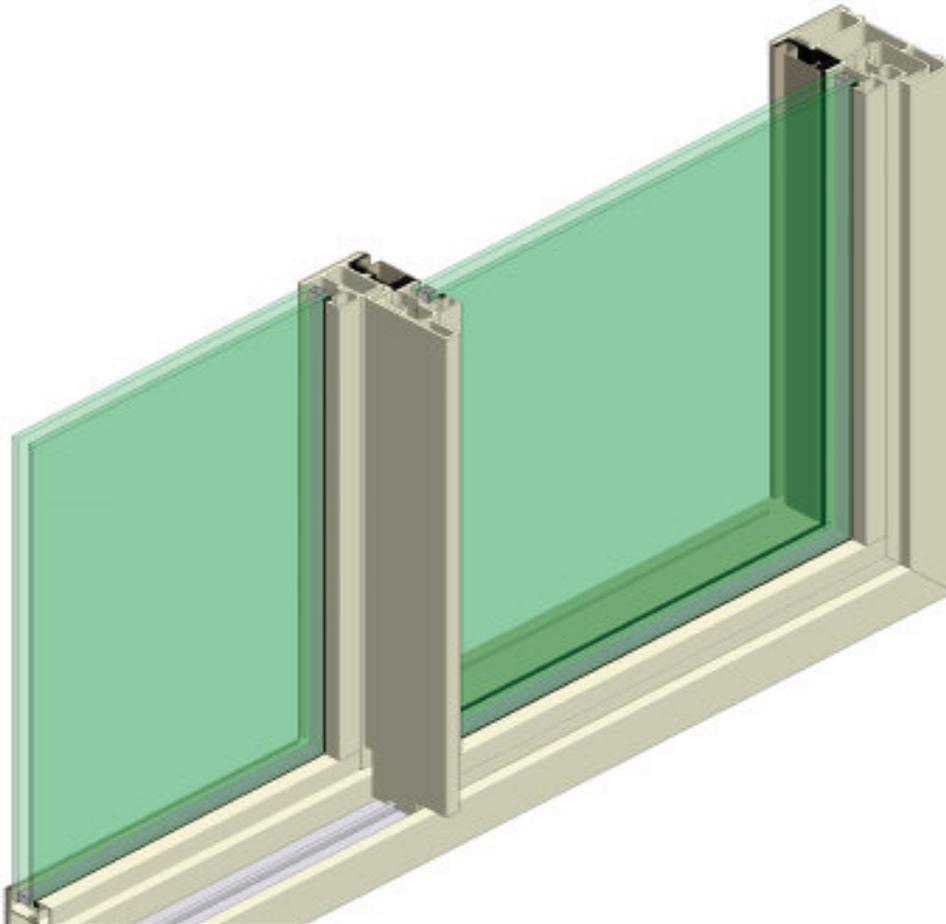
Benefits

Fiberglass frame construction	Dramatically improves U-value performance and energy savings Approaches strength and durability of aluminum Industry's best condensation resistance factor Impervious to acid rain and salt spray environments Improves thermal comfort close to fenestration, allowing more efficient use of interior space Thermal performance allows more daylighting in a wall, enhancing occupant satisfaction
Aluminum frame caps	Full range of standard EFCO finish options to match outside accessories such as panning, trim, mullions, and subframes with an AAMA 2605, 2604 high-performance paint or Class 1 anodized finishes
Sash cam devices	Improves air and water performance
5-1/4" Frame Depth	Heavy commercial structural rating
Raised aluminum roller track	Smooth operation of sash
Stainless steel rollers and fasteners	Corrosion resistant Longevity
Vinyl anti-lift in the head	Prevents unauthorized removal of the operable panel
Complete accessory line	Unlimited design possibilities

EFCO CORPORATION
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Performance Data

S-C150 Horizontal Sliding Window Heavy Commercial

AAMA Rating (NAFS-02)	HS-HC65
Air Infiltration	<.10 cfm/sf @ 6.24 psf
Water	No Leakage @ 10.0 psf
Structural	±97.5 psf
CRF-Frame (1503.1)	80'
CRF-Glass (1503.1)	68'
U-Value (1503.1)	.35 ^d
U-Value (NFRC-102)	.34 ^e

* With appropriate coated glass

A = Estimated values and/or designations

B = Non-standard size or configuration

C = Dual glazed

D = 1" Insulated - 1/4" clear, 1/2" air, 1/4" clear

E = 1" Insulated - 1/4" clear (Low Emissivity), 1/2" air, 1/4" clear

F = 1" Insulated - 1/4" clear (Low Emissivity), 1/2" argon, 1/4" clear

G = 1" Insulated - 1/4" clear, 1/2" air, 1/4" clear (Low Emissivity)

J = 1" Insulated - 1/4" clear, 1/2" argon, 1/4" clear (Low Emissivity)

Frame Construction

The frames have a depth of 5 1/4" and are constructed of a pultruded fiberglass material. The frame corners are mitered, corner keyed, and mechanically fastened together. The corners are sealed continuously around the mitered profile.

Sash Frame Construction

The sash consists of members constructed of a pultruded fiberglass material. The Sash corners are mitered, corner keyed, and mechanically fastened together. The sash corners are sealed continuously around the mitered profile. Cam sash design and continuous interlock at the sash meeting rail offer superior weathering and structural performance.

Weather Stripping

The perimeter of the sash is weather-stripped with Q-Lon®. Two holes or slots through the window sill facilitate weepage.

Screens

Half screens are mounted inset within the window frame. Screen frames are extruded 6063-T6 aluminum alloy. 18 x 16 mesh screens are available in fiberglass and .011" diameter aluminum. 18 x 18 mesh screens are available in .009 diameter stainless steel.

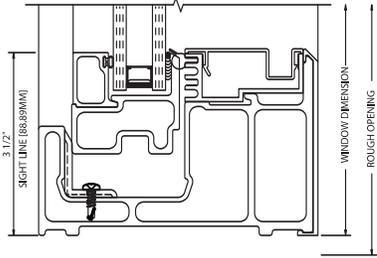
Hardware

Sweep style latches lock the sash into closed position. Latches and keepers are of cast white bronze with a US25D finish. The sash glides on stainless steel ball bearing rollers over a raised aluminum sill track ensuring smooth operation and minimizing the effects of debris and dirt build-up on the sill.

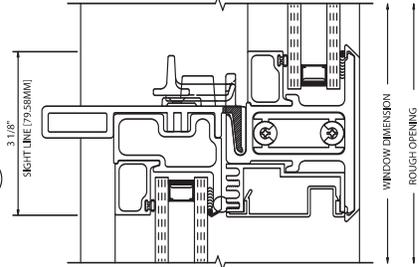
Glazing

Windows are inside glazed with a pultruded fiberglass snap-in glazing bead to accommodate 1" glazing.

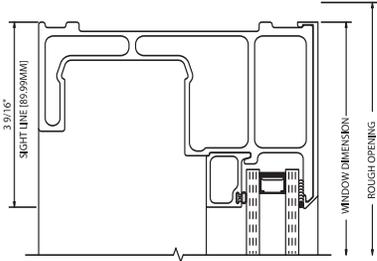
403 JAMB



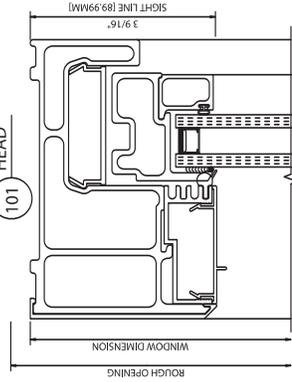
601 MTG. RAIL



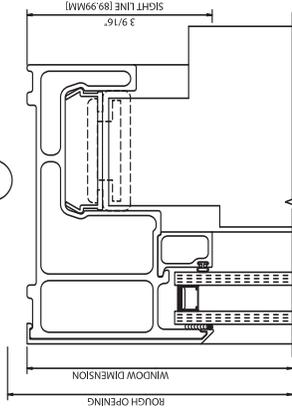
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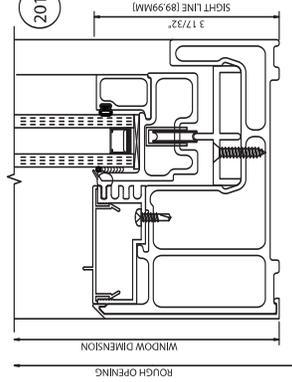
101 HEAD



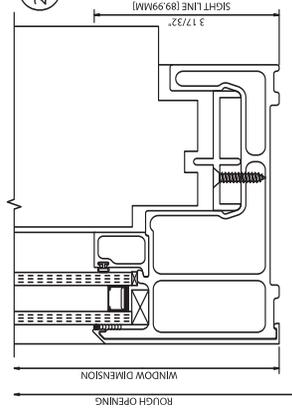
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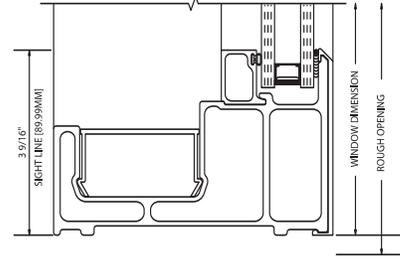
201 SILL



200 SILL



400 JAMB



401 JAMB

