

Series 1100

Craftsmanship • Durability • Elegance



1100 Series

3- Lite Slider

Double Hung

Energy Efficient

Duralite

Curb Appeal

Climagard

Horizontal Slider

Replacement

Comfort

New Construction

Low-E Glass

Rigid Vinyl

7/8" Insulated glass

Picture Window



1100 Series Aluminum Thermal Break Windows

Aluminum Double Hung Tilt Windows

Product Series Number: 1100

Applications: Commercial, Residential

Frame Depth: 3-1/4"

Glass Unit Thickness: 7/8"

Dimension Limitation: Minimum: W=14" H=16"

Maximum: W=50" H=99"

Architecture Specifications

General: Manufactured by *TRI-STATE BUILDING MATERIALS CORP.*, 65-89 Lodi Street, Passaic, NJ

Operation: Sash shall be counterbalanced to remain in place during operation. Both sash shall tilt in for cleaning exterior glass surface.

Materials: All extrusions shall be Prime-Alloy 6063-T5 and shall be thermally broken by a high density and low thermal conductive material. Rigid vinyls are used in construction for added thermal improvement. Sill has a main wall thickness of 0.078". Jamb, heads, mullions, stiles and rails shall have a main wall thickness of 0.062". Rails shall be tubular profile.

Frame construction: Frames shall have integral screen tracks. All corners shall be coped and butt joined and mechanically fastened with two stainless steel screws per corner. Frame depth shall be 3.250". Frames with 1 1/2" extended fins are available.

Sash construction: All sash corners shall be coped and butt-joined and mechanically fastened with two stainless steel screws per corner. The lift on lower sash shall be rounded at its corners. Sash shall be interlocked at meeting rails and augmented with two additional weather-strippings.

Glazing: Both sash shall utilize 7/8" thick insulating glass consisting of two sheets of 3/32" thick clear annealed glass and a desiccant filled non-metallic spacer system (Duralite insulating unit). Both sash shall be marine glazed with the glass unit set in a wrap-around vinyl glazing channel.

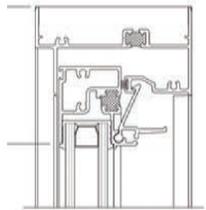
Screen construction: Standard screen shall be a half screen. The screen rails shall be extruded of aluminum with all corners keyed. The screen frame shall be fitted with 18 x 16 mesh rewirable charcoal fiberglass screen cloth by a flexible spline.

Hardware: Sash balances shall be factory calibrated spiral balances. Balance rods shall be inserted into the slot of the shoe which lock in place once sash is tilted in. Sash lock shall be finished either white or black. Sash lock shall be fastened at the lock rail by two self-tapping screws.

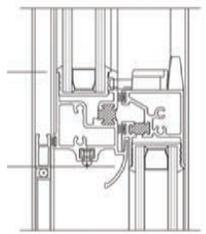
Weatherstripping: High-density woven pile shall be used in combination with continuous polyethylene rigid seal to minimize air infiltration.

Finish: All exposed surfaces shall receive an electrostatically baked-on finish. The painting process is preceded by a nonchromate conversion coating for proper adherence.

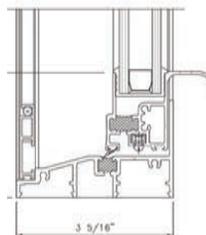
Options: Between glass grids – Colonial, Georgian and Diamond aluminum in white, bronze or two tone (green-white or bronze-white), are available. Applied grids are also available. Glazing – Swiggle glass units, obscure wire, clear wire, frosted, Low-E, Argon filled Low-E and special tempered glass can be used. Full screen, oriel and cottage windows are available. Double lock, custom colors are available.



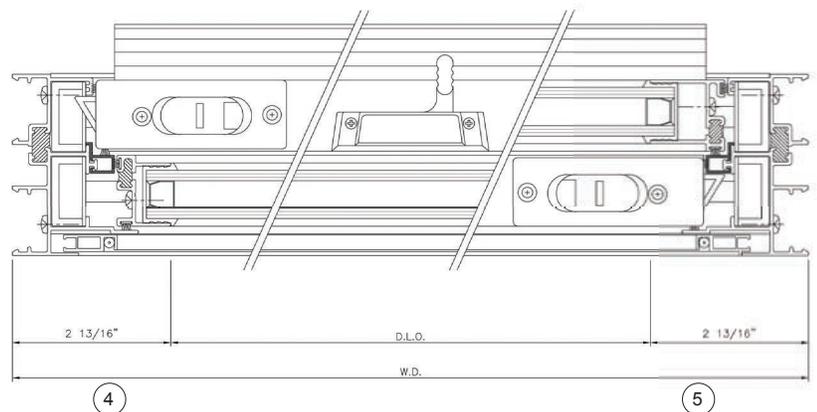
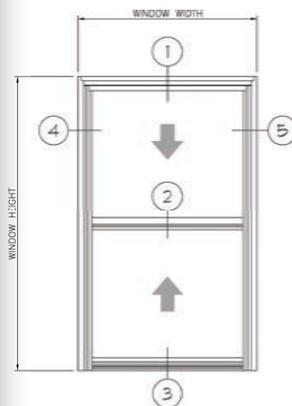
①



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1100 Series Aluminum Thermal Break Windows



Aluminum Horizontal Sliding Windows

Product Series Number: 1102 **AAMA Rating:** HS-LC45

Applications: Light Commercial, Residential

Frame Depth: 3-1/4"

Glass Unit Thickness: 7/8"

Dimension Limitation: 2-Lite(6002)Minimum: W=24" H=12" Maximum: W=80" H=66"

3-Lite(6003)Minimum: W=46" H=12" Maximum: W=120" H=66"

Architecture Specifications

General: Manufactured by *TRI-STATE BUILDING MATERIALS CORP*, 65-89 Lodi Street, Passaic, NJ

Operation: Sash shall slide side to side during operation. Both sash shall lift out for cleaning exterior glass surface.

Materials: All extrusions shall be Prime-Alloy 6063-T5 and shall be thermally broken by a high density and low thermal conductive material. Rigid vinyls are used in construction for added thermal improvement. Sill has a main wall thickness of 0.078". Jamb, heads, mullions, stiles and rails shall have a main wall thickness of 0.062". Rails shall be tubular profile.

Frame construction: Frames shall have integral screen tracks. All corners shall be coped and butt joined and mechanically fastened with two stainless steel screws per corner. Frame depth shall be 3.250". Frames with 1 1/2" extended fins are available.

Sash construction: All sash corners shall be coped and butt-joined and mechanically fastened with two stainless steel screws per corner. The push and pull rail of each sash shall be rounded at its corners. Sash shall be interlocked at meeting rails and augmented with two additional weather-strippings.

Glazing: Both sash shall utilize 7/8" thick insulating glass consisting of two sheets of 3/32" thick clear annealed glass and a desiccant filled non-metallic spacer system (Duralite insulating unit). Both sash shall be marine glazed with the glass unit set in a wrap-around vinyl glazing channel.

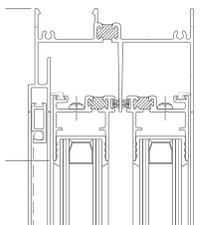
Screen construction: Standard screen shall be a half screen. The screen rails shall be extruded of aluminum with all corners keyed. The screen frame shall be fitted with 18 x 16 mesh rewirable charcoal fiberglass screen cloth by a flexible spline.

Hardware: Each sash shall have two brass bearing rollers recessed into the bottom. Sash lock shall be finished either white or black. Sash lock shall be fastened at the lock rail by two self-tapping screws.

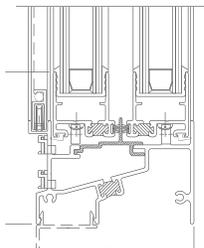
Weatherstripping: High-density woven pile shall be used in combination with continuous polyethylene rigid seal to minimize air infiltration.

Finish: All exposed surfaces shall receive an electrostatically baked-on finish. The painting process is preceded by a nonchromate conversion coating for proper adherence.

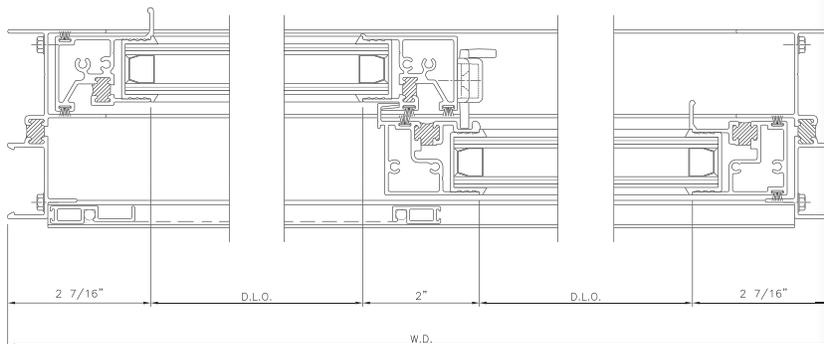
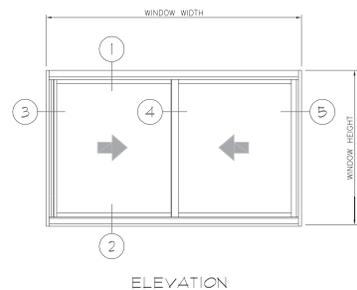
Options: Between glass grids – Colonial, Georgian and Diamond aluminum in white, bronze or two tone (green- white or bronze-white), are available. Applied grids are also available. Glazing – Swiggle glass units, obscure wire, clear wire, frosted, Low-E, Argon filled Low-E and special tempered glass can be used. Full screen, oriel and cottage windows are available. Double lock, custom colors are available.



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Cosmetically appealing, energy-efficient, maintenance-free aluminum windows add value to any investment and greatly reduce operating costs. With its ability to withstand abuse, all maintenance costs are kept to a minimum. Heating and cooling savings are improved with noise reduction being an added bonus. No other window can boast such money saving features!

Structural Framing

The sash and frame are thick .062 gauge, rigid aluminum that gives the window its strength and durability. Noted for its structural ability, it can be used in an array of applications.

Thermal Break Barrier

All aluminum framing members have special thermal materials in the middle to stop the transfer of cold from outside to inside.

Multiple Weatherstripping

Weatherstripping is applied at all the key points around the sash and frame to protect against rain, high winds, dust and dirt.

Superior-Design Glazing

A full 7/8" thick insulating glass with dead air space between the panes reduces heating and cooling losses and minimizes condensation. High performance and other glazing options are also available.

Easy Cleaning Designs

Both sashes tilt-in on double hung windows, slider windows lift out for safe, easy cleaning from inside.

Paint Finish

All aluminum framing members are anodized with a baked on enamel finish to resist fading, cracking and chipping.

Technical Standards

The window has been put through rigorous testing and meets all government agencies requirements for air, water, and structural performance. Test reports can be furnished upon request.

Versatile

This window has an array of profiles that can be adapted to it so that different installation scenarios can be addressed.

Superior Design

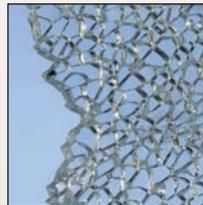
A clip at the top of the window prevents the top panel from sliding down during operation of the bottom panel.

Glass Options

Tempered Glass - Heat treated glass that shatters into pebble-sized pieces instead of larger shards to reduce the risk of injury.

Obscure Glass - Textured glass that provides a translucent effect for added privacy.

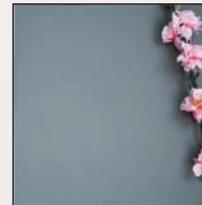
Tinted Glass - A slight shading of color (Grey or bronze) helps control intense sun light and helps reduce the sun's heat.



Tempered Glass



Obscure Glass



Grey Tinted Glass



Bronze Tinted Glass



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