

Columbia ARCTIC MASTER *for Rehab & New Construction*



C-3000 Double Hung



C-3200 Picture Window



C-3100 Horizontal Slider (Rolling)

The Columbia Arctic Master Series Thermal Break is the all-purpose window for new construction and rehab for both commercial and residential. Columbia has the industry's finest constructed, most attractive and versatile window in the market place.

SPECIAL FEATURES:

Thermal break minimizes heat flow and condensation on frame.

Thermal barrier yields big savings in fuel and air conditioning costs.

Glazed with 7/8" insulated glass dual or triple glazed.

Optional divided lites provided by dust-free muntin bars sealed between insulated glass.

Greatly reduces noise transfer.

Meets AAMA 1504-83 thermal performance standards.

Heavy duty cam lock tightens the sash meeting rail, sealing out air as it locks the window.

Full 3-1/4" thick frame depth.

Horizontal & vertical mullion system.

Heavy-duty tubular extruded screen frame.

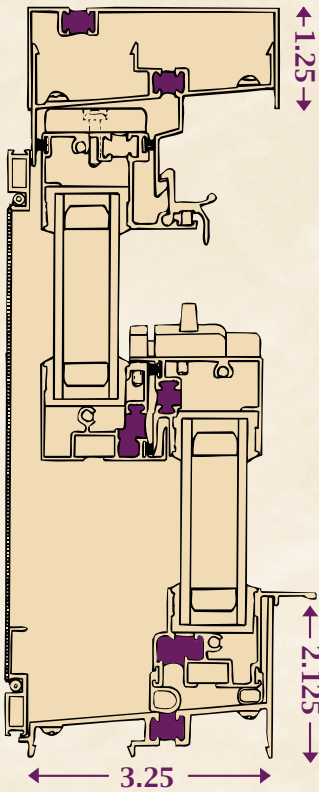
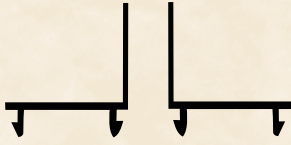
Continuous nailing fin for new construction windows.

High-performance poly bond fin seal weatherstripping.



Columbia
Windows & Doors

Nail fin for new construction.
Reverses for retro fit.



SIDE VIEW

Maintenance free painted finish

Upper sash lock

Easy access security latch at meeting rails

Constant force tape balance

Full interlock at meeting rails

7/8" insulated glass panels

Full-length lift rails on sash panels



*C-3000.
Double Hung*

Head expander

Tilting panels for easy cleaning

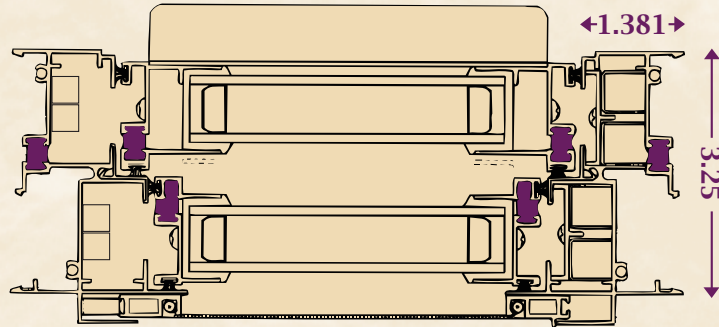
Finger latches to release sash panels

Jamb adjustment devices for accurate installation

Double Fin Seal weatherstripping around operating panel area

Rugged extruded aluminum framing

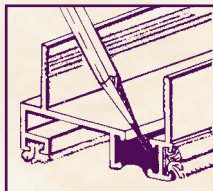
Sill angle expander



TOP VIEW

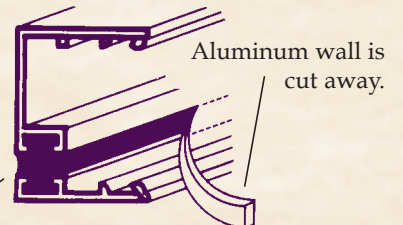
How our thermal break works --

There is NO direct metal connection inside and outside of window.



A polyurethane barrier, in the frame and sash, virtually eliminates heat loss and condensation buildup on the interior frame.

Channel is filled with strong high-density plastic (polyurethane)

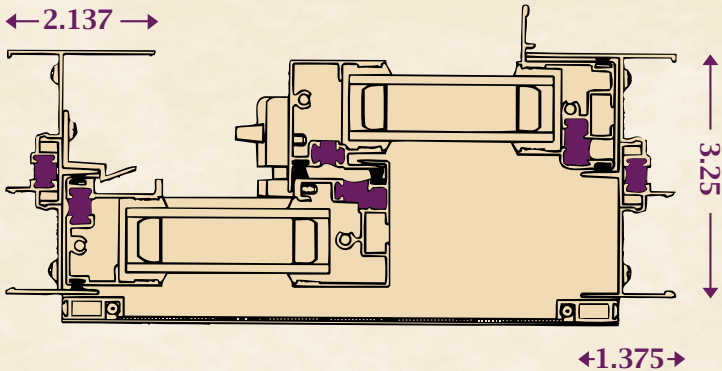




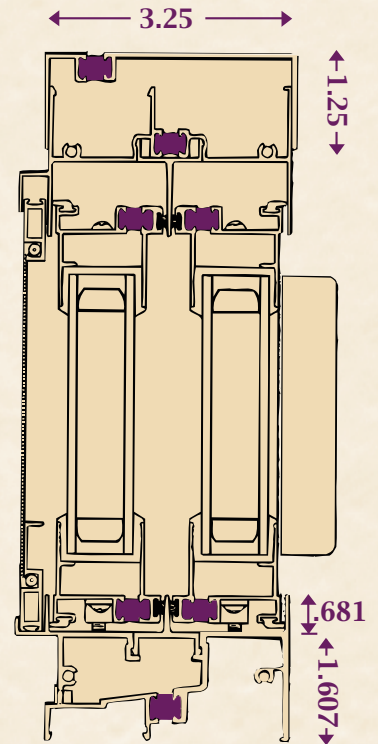
C-3100 Horizontal Slider (Rolling)



Four adjustable rollers on each sash provide ease of operation. Rollers are rust-free bronze to assure years of service.



TOP VIEW



SIDE VIEW

Mullion

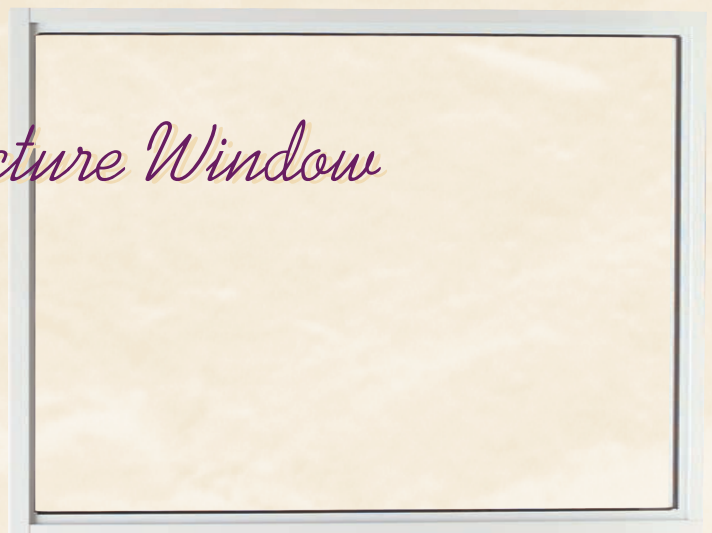
Thermal Break



The Artic Master series is complimented with a mullion system that allows side-by-side mulling & vertical mulling (stacking).

C-3200 Picture Window

(Fixed Lite)
May also be used as a transom over an operating window.



ALL ARE AVAILABLE IN WHITE OR BRONZE PAINTED FINISH.

Specifications

GENERAL: The Columbia Arctic Master C-3000 Double Hung-Tilt (DH-C40), C-3100 Horizontal Slider (Rolling) (HS-C40) and C-3200 Picture Window (F-HC40) shall comply and bear the quality certification label in accordance with ANSI/AAMA Certification Program (101-85).

MATERIAL: Frame and sash shall be integral thermal-break insulated aluminum of 6063-T5 alloy. Sill wall thickness shall be .078" thick.

FINISH: Windows to be finished in bronze or white electrostatically applied enamel finish.

CONSTRUCTION: All joints of frame and sash members shall be neatly fitted, securely connected and permanently watertight. Thermal break shall separate the interior from the exterior. The operating sash shall interlock at meeting rail and sash shall not be removable in closed and locked position.

WEATHERSTRIPPING: Weatherstripping shall be silicon treated, fungus, mildew and moth resistant high-performance poly bond fin seal with a permanent poly fin in the middle of the poly pile to minimize air infiltration. The poly pile weatherstripping shall use a poly bond backing to insure against shrinkage.

HARDWARE: Window shall be factory equipped with a sweep-type, cam-action lock that tightens the meeting rail as it locks the window.

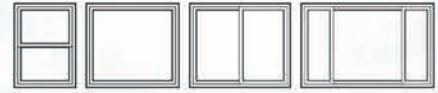
SCREENS: Half screens or full screens may be furnished with Arctic Master series. Screen frames are of hollow type extruded aluminum and shall be securely fastened at corners. Screen cloth shall be 18 x 16 mesh fiberglass. Aluminum wire available at an extra cost.

INSTALLATION: All window frames shall be set in accordance with the manufacturer's recommendations without springing, forcing or distorting. Head and sill shall be aligned parallel and square with jambs. A non-hardening sealant compatible with aluminum shall be provided by the window erector, and applied in sufficient quantity to provide a watertight seal between window and surrounding construction. Manufacturer assumes no liability for damage by the trades or final cleaning of aluminum.

GLAZING: All windows shall be glazed with clear 7/8" dual insulated glass, set in wrap-around vinyl (marine glazing). Also available with bronze-tinted glass, low E, triple glazing and muntin bars between the glass at an extra cost. The insulated glass shall be manufactured under the trade name "thermo cell" and shall meet or exceed ASTM E 773-83 and ASTM E 774-84A Class A.

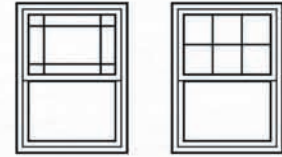
GUARANTEE: The windows and components as represented on these pages are unconditionally guaranteed against defective material or workmanship for one year provided that the installation is in accordance with the manufacturer's specifications and instructions.

Configurations



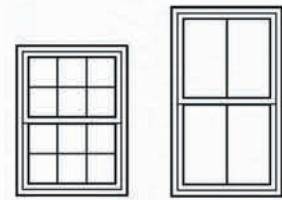
Double Hung, Picture Window, Slider (Rolling) Window, Slider (Rolling) Picture Window -- End Vents

Grid Patterns



Prairie

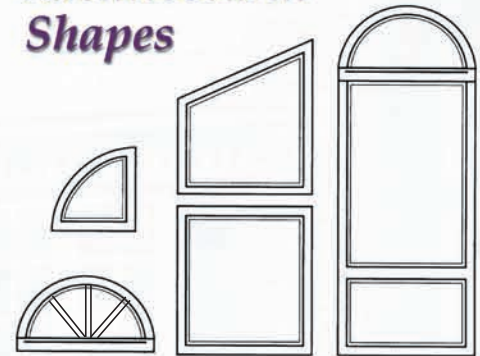
Traditional



Colonial

Victorian

Architectural Shapes



Your imagination isn't limited by the four corners of the window frame -- not with all the available options and accessories such as circle tops, trapezoids & 1/4 circles.

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