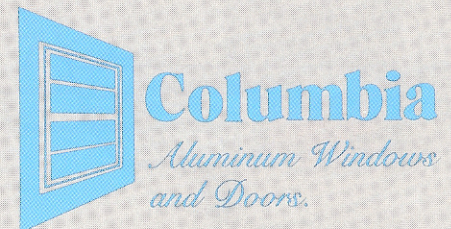
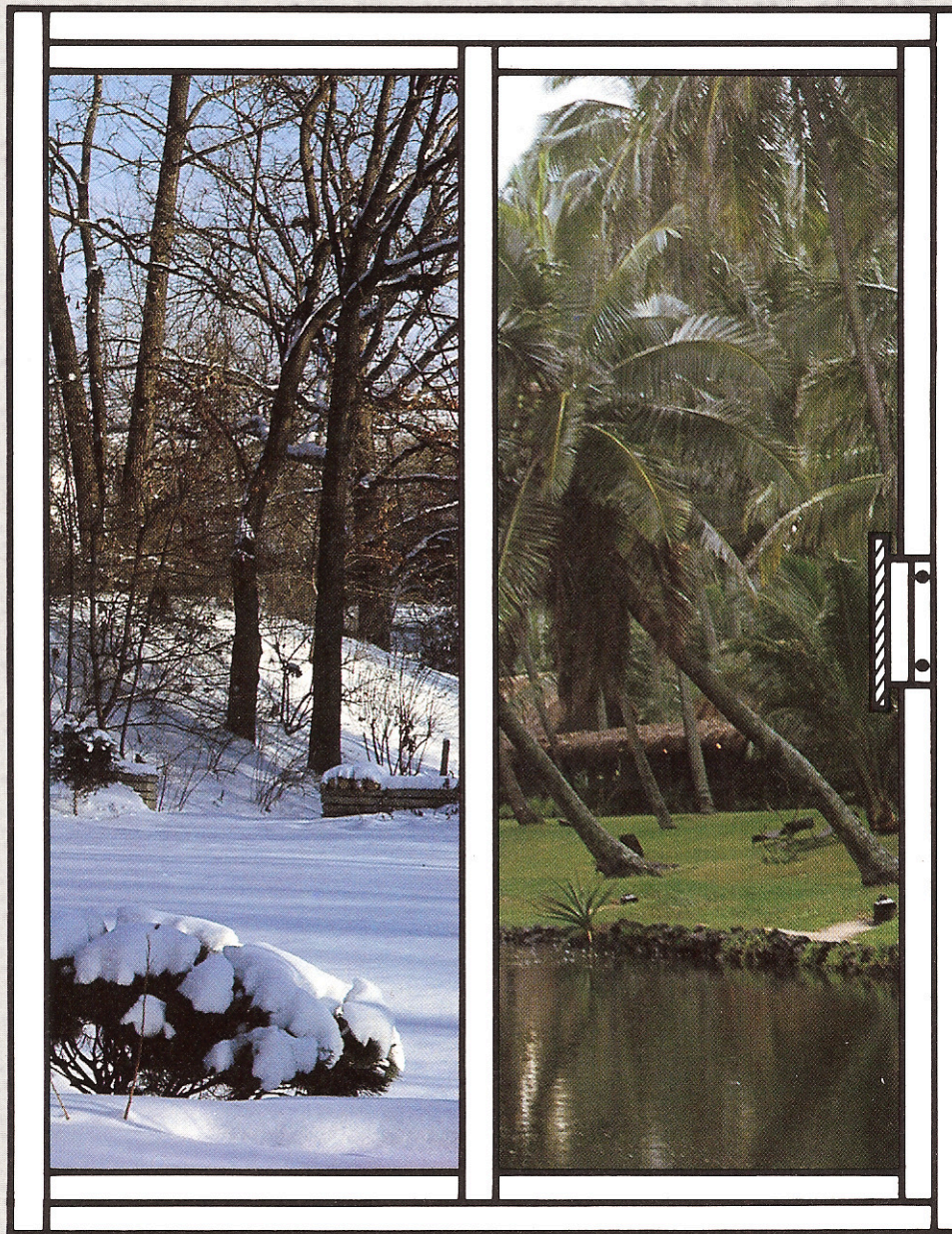


SERIES #2500 IMPERIAL Thermal Break Sliding Glass Door

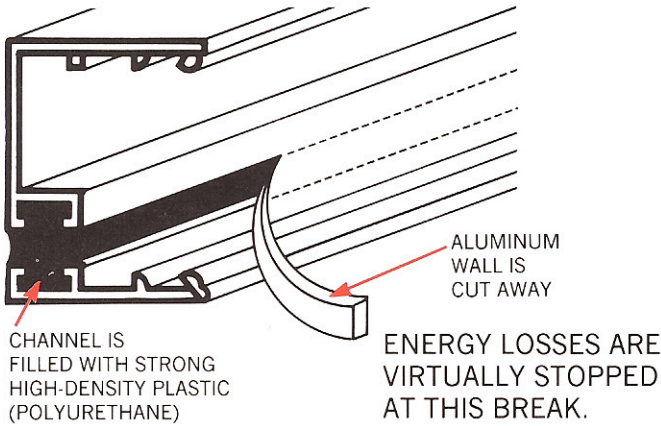


Special Features:

- Designed for the energy conservation age (new & retrofit construction).
- Meets AAMA 1504-83 thermal performance Standards.
- Glazed with 1" insulated glass dual or triple glazed.
Optional divided lites provided by dust-free mutin bars sealed between insulated glass and bronze tinted glass.
- Greatly reduces noise transfer.
- Thermal break minimizes heat flow and condensation on frame.
- Thermo barrier yields big savings in fuel and air conditioning costs.
- Minimal air infiltration.
- Security assured by a clam-latch System utilizing the door jamb as the strike.
- Tandem self-leveling twin ball-bearing wheels that ride on a stainless steel track in threshold for smooth even operation.
- Completely reversible- Fully weatherstripped door allows change in slide of door after initial installation.
- From a selection of three frames:
 - A. Jamb returns 3 $\frac{5}{8}$ " from nail fin;
 - B. Jamb returns 4 $\frac{5}{8}$ " from nail fin;
 - C. Flush frame.
- Available in bronze & white painted finish.

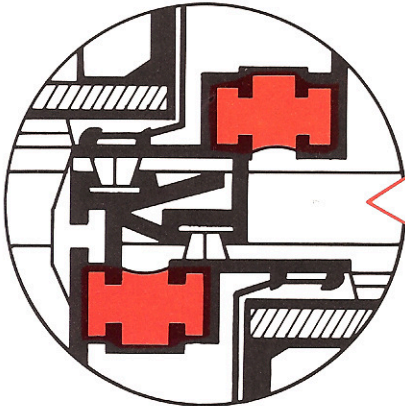
HOW OUR THERMAL BREAK WORKS

There is NO direct metal connection between inside and outside of door.

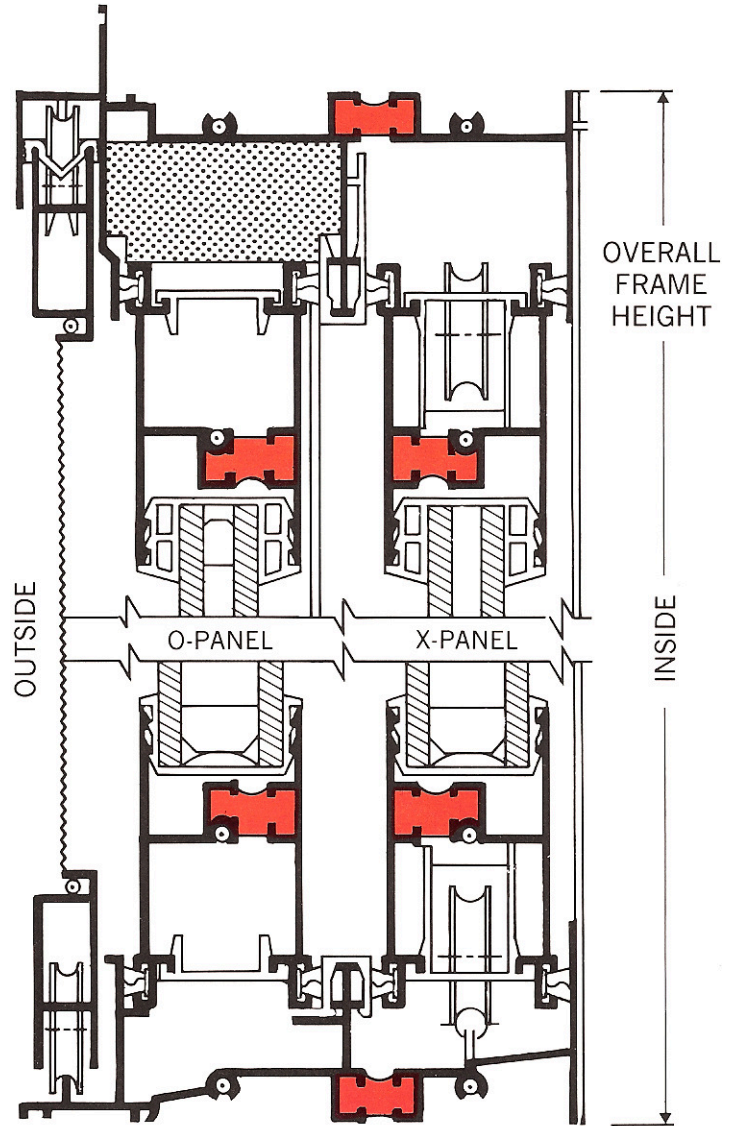


PANEL INTERLOCK

Specially designed extrusions when combined with Silicone treated polypropylene pile and mylar fin seal offers completely sealed closure when moving panel is closed.



SIDE VIEW



FULL ONE INCH DOUBLE INSULATING GLASS

EXTRA DRYING MATERIAL IN SPACER

FULL THERMAL BREAK

VINYL INSULATING SEAL

THICK PILE SEAL WITH FIN

TANDEM WHEEL ASSEMBLY SELF-LEVELING TWIN RAIL-BEARING WHEELS

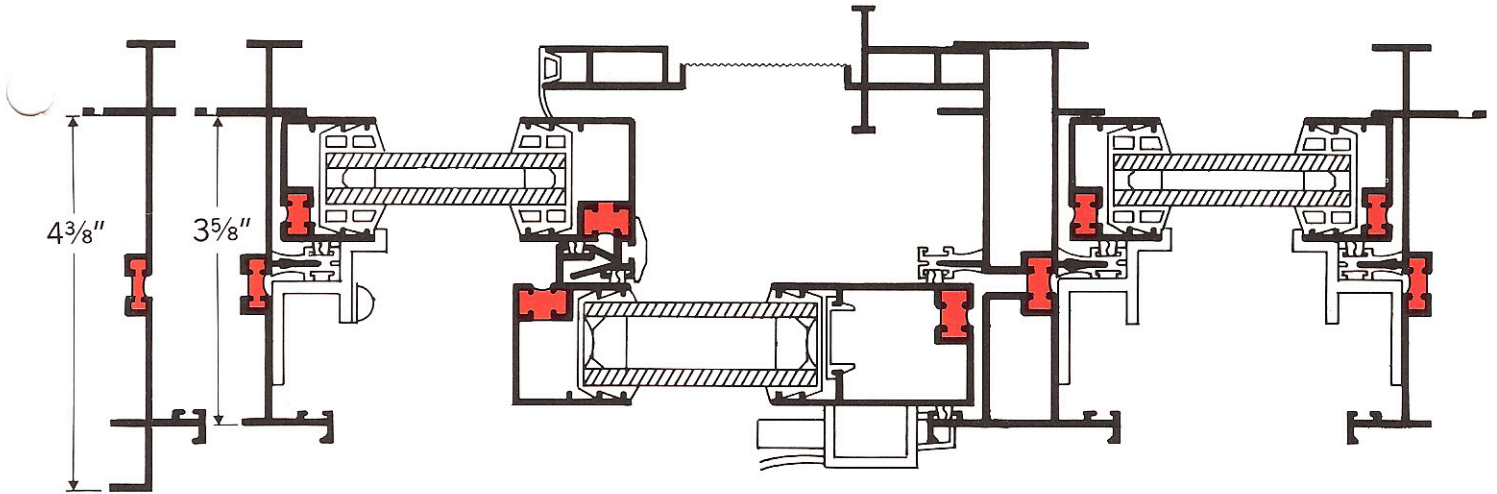
TEMPERED SAFETY GLASS

HEAVY EXTRUDED (1 7/16" THICK) PANELS

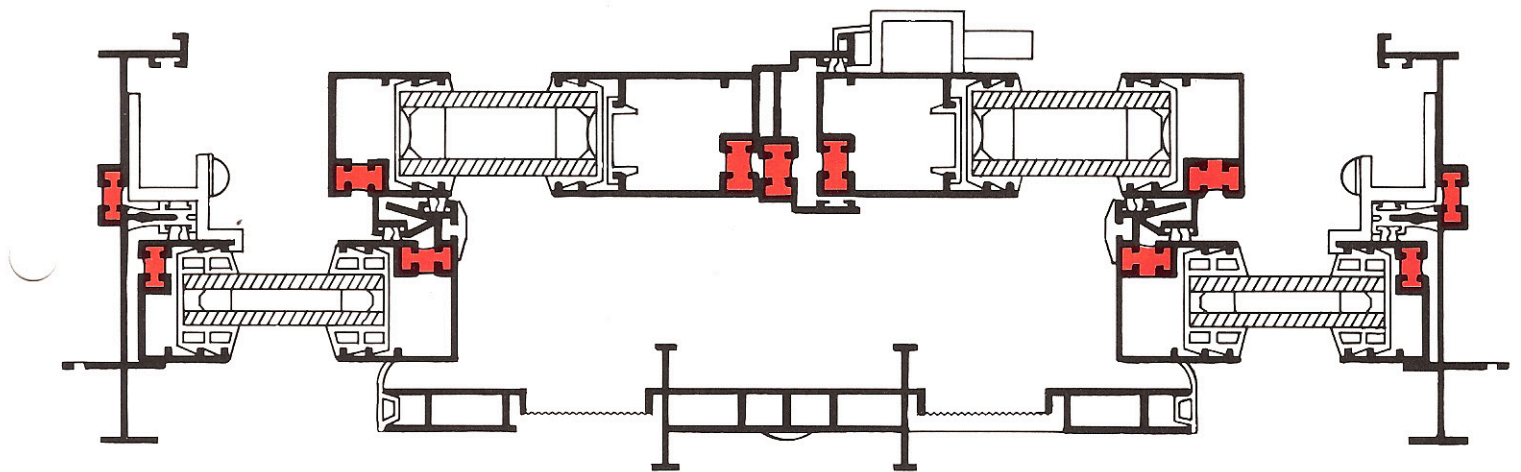
FULL ONE INCH TRIPLE INSULATING GLASS

TRIPLE GLAZING OPTION

TOP VIEW 3-Panel Door (active panel in center)



TOP VIEW 4-Panel Door



SPECIAL INFORMATION

Columbia TBR Replacement Patio Door

Special Sizes Are Available As Shown.

For The Retrofit Market.

NOMINAL SIZE	EXACT DOOR SIZE FLUSH FRAME (NO NAILING FIN)	GLASS SIZE
	<u>2-PANEL DOOR</u>	
5069	58½ x 79½	27½ x 73⅛
6069	70½ x 79½	33½ x 73⅛
8069	94½ x 79½	45½ x 73⅛

SPECIFICATIONS

GENERAL: The Aluminum Sliding Glass Door shown on the plans and hereinafter specified shall be Columbia series #2500 Imperial manufactured by Columbia Glass and Window Co., Kansas City, Missouri.

The Sliding Glass Doors shall meet or exceed the ANSI/AAMA 101-85 specification requirements for SGD-R20 or if specified SGD-C20.

MATERIAL: Sliding door frame and vent sections shall be aluminum alloy and temper 6063-T5. Component parts and accessories shall be stainless steel, aluminum, or other corrosion resistant material.

FINISH: For maximum resistance to corrosion sliding door frame and vent sections shall be painted bronze or white acrylic electrostatic enamel finish as specified.

CONSTRUCTION: All joints of the frame and vent sections shall be neatly fitted and secured to fully utilize the strength of the members and provide permanent watertight joints. Both sliding and fixed panels shall be constructed so that the location and direction of slide for the panels can be changed after installation without replacement or re-glazing. The sliding panel when in a locked position shall not be removable from the outside. Both sliding and fixed panels shall be removable for glazing and maintenance. Sliding vent shall be equipped with twin ball-bearing

bottom-rolling type adjustable sheaves at each end to allow for proper alignment of the sliding vent with the frame. Sheaves shall be adjustable without removing sliding vent. Threshold shall have a removable stainless steel track to provide ease of operation and lasting quality.

WEATHERSTRIPPING: Full Perimeter Double weatherstripping on frame & panels to insure positive seal.

Weatherstripping shall be high performance poly bond fin seal.

HARDWARE: shall be of non-corrosive material, the sliding vent shall be equipped with a Deluxe handle & non-jamming clam latch system utilizing the door frame as the strike, thus eliminating a weak link in the security chain, the clam latch will not permit the sliding vent to be locked automatically or permit damage to lock, if sliding vent is closed with latch in locked position. Outside pull & latch shall be easily adaptable for cylinder lock, when specified (Available at an extra cost).

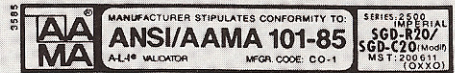
GLAZING: All doors shall be glazed with 1" Dual or triple insulating glass as specified. Set in a wrap-around vinyl glazing channel with welded corners. Dual glazed doors requiring muntins will be furnished with 5/8" thick insulating glass — These panels are to be manufactured by Columbia under the trade name of "Thermo-Cell" and shall meet or exceed ASTM E 773-83 & ASTM E 774-84A. Class A

SCREENS: Screens shall be either extruded hollow aluminum fitted with 18 x 16 mesh aluminum or fiberglass screen cloth as specified. Screens shall be furnished with four tension mounted rollers, interior and exterior pulls, or handle and latching device. Screen shall have vinyl insect-proofing at interlocking stiles.

ERECTION: (Included under another contract) Sliding doors shall be erected in prepared openings according to manufacturer's instructions. All door frames shall be installed plumb, level, and square to allow proper functioning in regard to sliding, locking and weathering. All necessary screws shall be furnished by manufacturer.

CERTIFICATION: The aluminum thermal break Sliding Glass Doors shall conform to all requirements of the AAMA Certification Program.

GUARANTEE: The sliding door 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.



Nominal Size	Actual Size	Rough Opening Size	Glass Size
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2-DOOR (Unit Reversible)

5069	59½ x 80¾	60" x 81"	28 x 74
6069	71½ x 80¾	72" x 81"	34 x 74
8069	95½ x 80¾	96" x 81"	46 x 74

3-DOOR UNITS (Center Panel Active)

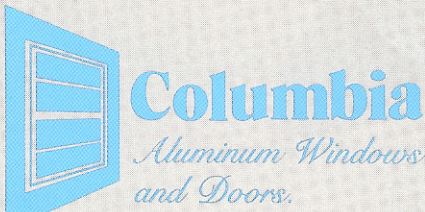
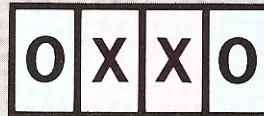
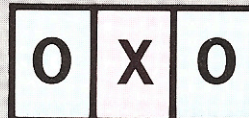
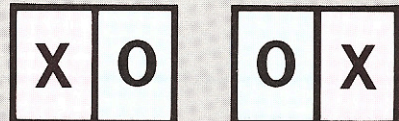
9069	107½ x 80¾	108" x 81"	34 x 74
12069	143½ x 80¾	144" x 81"	46 x 74

4-DOOR UNITS (2 Center Panels Active)

12069	142¾ x 80¾	143¼" x 81"	34 x 74
16069	190¾ x 80¾	191¼" x 81"	46 x 74

PANEL ARRANGEMENTS

X = Moving Panel
O = Fixed Panel



COLUMBIA GLASS
1600 N JACKSON, KANSAS CITY, MO 64120
(816)241-5800 TOLL FREE: 1-800-892-8703
FAX #: 1-816-241-5809

COLUMBIA INDUSTRIES, LINDSBORG, KS
(913)227-3351 TOLL FREE: 1-800-255-0174
FAX #: 1-913-227-3002

COLUMBIA METAL, IOLA, KS
(316)365-3166 TOLL FREE: 1-800-362-0503
FAX #: 1-316-365-3168

COLUMBIA METAL, PAWNEE, OK
(918)762-3637 TOLL FREE: 1-800-722-4144
FAX #: 1-918-762-3966