



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

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Series 1325 **3 1/4" Architectural Grade Tilt Turn Window**

Configurations Casement • Projected

Series 1325 retains an AAMA Architectural Grade rating to meet the most demanding specifications. This dual action window is designed to meet the needs of applications requiring ventilation, easy cleaning and high performance. The 1325 window system is an attractive product for a wide range of applications. A thermal barrier in the frame improves thermal performance, enhancing energy saving potential. The clean lines of the window and hardware give it European styling that will complement most architectural designs.

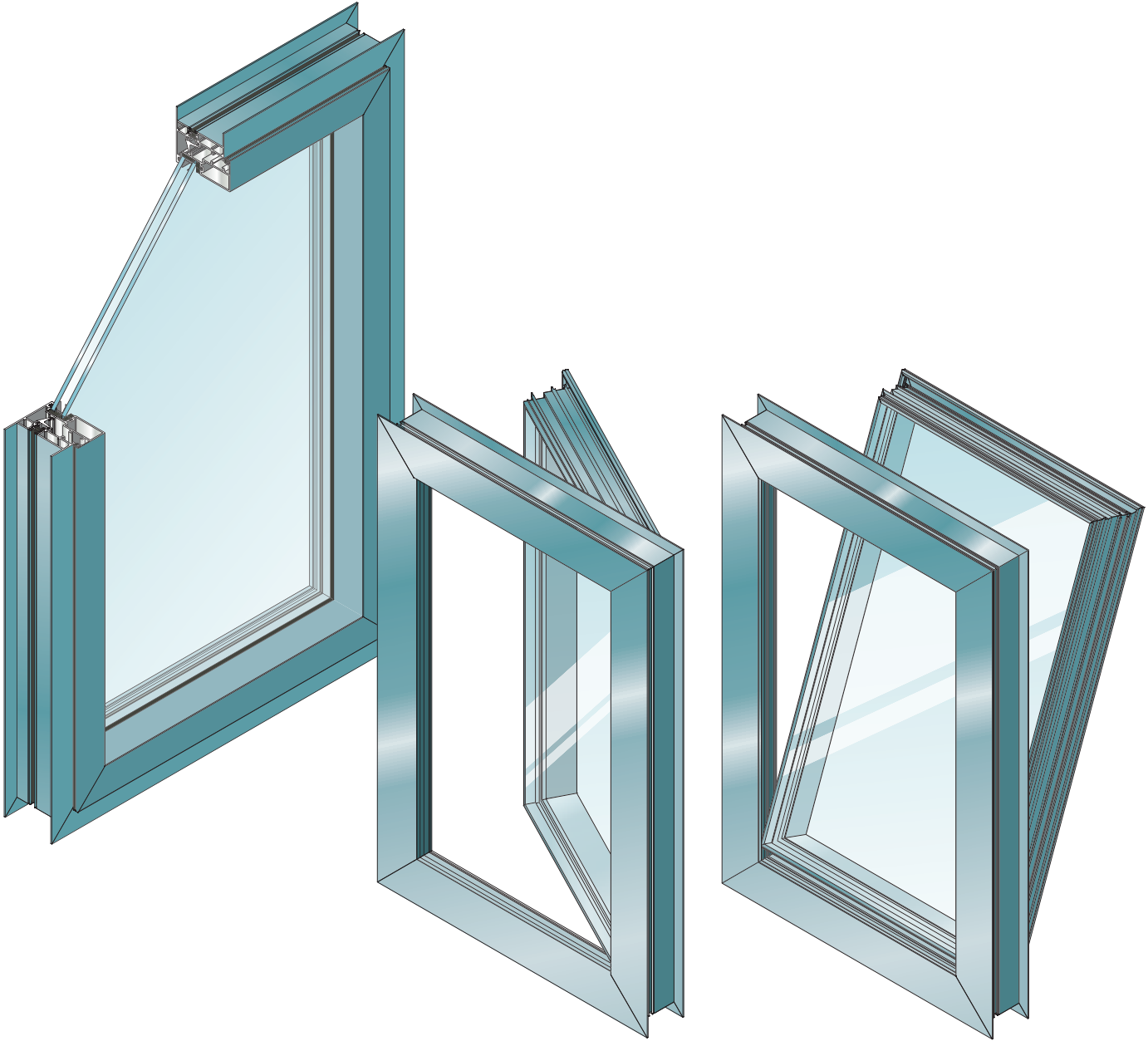
Features

Benefits

E-Strut™ thermal isolator	Allows individual finish for exterior and interior Improved thermal performance Completely eliminates dry shrinkage
Structural glazing	Smaller sightline
Pressure equalization	Superior water resistance
Multi-point locking hardware	Field adjustable (jamb to jamb - height adjustment and sash closing pressure)
Operation of hardware can be customized to fit project requirements	Dual action can be reversed
Limit stay arm with friction	Restricts sash opening to a maximum of 90°
Hinge pins and stay arms are 300 series non-magnetic stainless steel	Will not corrode
Hardware mishandling device	Prevents turning handle when sash is open
Security mechanism available on handles without locks	Prevents operation of hardware from the exterior Prevents drive rod from walking out of keepers
Rosette base (without handle) hardware is available	Increased security
Hardware features routed-in drive gear	Stronger than surface mounted handle
Screen frames of extruded aluminum alloy are available	Stronger more durable screens
Anodized and painted finishes available	Unlimited options to answer economic and aesthetic concerns

Series 1325

3 1/4" Architectural Grade Tilt Turn Window



Performance Data

Tilt Turn (Standard Glazing & Hardware) Architectural Grade

AAMA Rating (NAFS-1)	DA-AW55
Air Infiltration	<.10 cfm/sf @ 6.24 psf
Water	No Leakage @ 15.0 psf
Structural	±82.5 psf
CRF-Frame (1503-98)	60 ^E
CRF-Glass (1503-98)	68 ^E
U-Value (1503-98)	.49 ^E
U-Value (NFRC-102)	.46 ^E

Tilt Turn (H.P. Glazing & Hardware) Architectural Grade

AAMA Rating (NAFS-1)	DA-AW135
Air Infiltration	<.10 cfm/sf @ 6.24 psf
Water	No Leakage @ 15.0 psf
Structural	±202.5 psf
CRF-Frame (1503-98)	60 ^E
CRF-Glass (1503-98)	68 ^E
U-Value (1503-98)	.49 ^E
U-Value (NFRC-102)	.46 ^E

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)

Tilt Turn Glazing Chart	Polycarbonate			Glass or Panel															
	1/8"	3/16"	1/4"	1/8"	.156" ¹ *	3/16"	.200" ¹ *	1/4"	1/4" ¹ **	1/2"	5/8"	3/4"	7/8"	1"	1-1/8"	1-1/4"	1-1/2"	1-3/4"	2"
Insulated Glass														A					

*-Obscure Glass
Thickness
**-Laminated Glass
Thickness
A-Available Glazing
Option
blank - N/A

Series 1325

3 1/4" Architectural Grade Tilt Turn Window



Frame Construction

The frame is constructed from .080" nominal material wall thickness aluminum of 6063-T6 alloy with a depth of 3 1/4". Frame components shall be miter cut, reinforced with an extruded corner key, hydraulically crimped, and "cold welded" with epoxy adhesive. See Illustration 1.

Vent Frame Construction

The 3 1/4" deep vent consists of tubular aluminum members with .080" nominal material wall thickness of 6063-T6 alloy. Vent corners are mitered, angle reinforced, crimped, cold epoxy welded, and sealed. See Illustration 2.

Weather Stripping

All vents are dual weather-stripped with a Santoprene® gasket. The exterior gasket is intentionally omitted at the vent top rail, allowing air to pressure equalize the void between the vent and frame. Each vent utilizes the pressure equalization technique for superior water resistance performance. Two holes or slots per vent through the window frame facilitate weepage.

Screens

Screen frames are extruded from 6063-T6 aluminum alloy. 18 x 16 mesh screens are available in fiberglass and in .011" diameter aluminum. 18 x 18 mesh screens are available in .009" diameter stainless steel.

Thermal Barrier

All frames are thermally isolated with two thermal struts consisting of glass reinforced polyamide nylon, mechanically crimped in raceways extruded in the exterior and interior extrusions. See Illustration 3.

Glazing

Windows are four-sided structurally glazed with silicone. All vents are factory glazed. Reglazing of units is accomplished from the interior of the building eliminating the need for staging or scaffolds. See the Glazing Chart for the exact size.

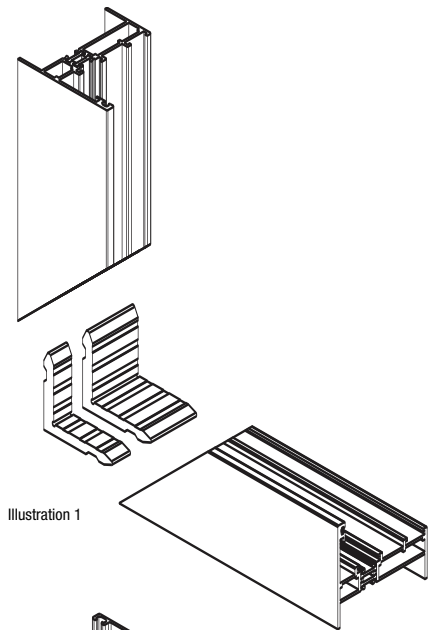


Illustration 1

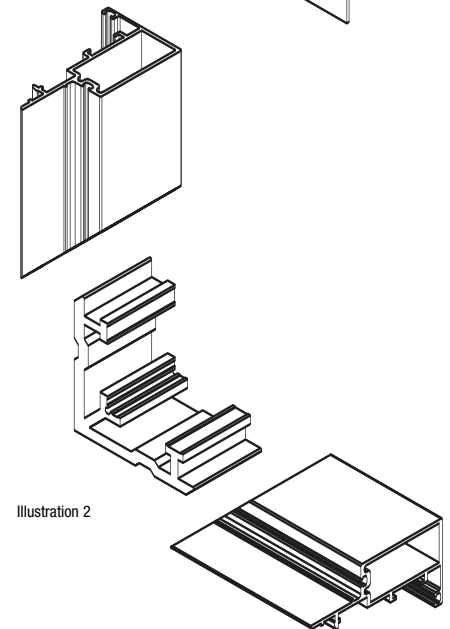


Illustration 2

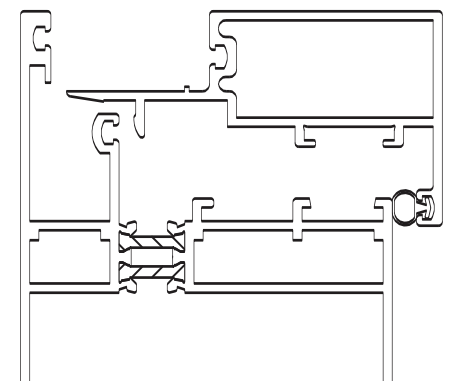


Illustration 3

