

ALUMINUM WINDOW CASEMENT

Product Series Number:	CTC-8000	AAMA Rating: AW-90
Applications:	Heavy Duty Commercial, Normal Duty Commercial	
Frame Depth:	2-1/4"	
Glass Unit Thickness:	1/4"(single sheet), 1"(IG)	
Dimension Limitation:	Minimum:	W=20" H=20"
	Maximum:	W=36" H=60"

Architecture Specifications

General: Manufactured by Crystal Window & Door Systems, Ltd., 31-10 White stone Expwy., Flushing, NY 11354.

Operation: Window shall open out from the house pivoting from one of the side jambs when the handle of the operator is cranked. Up to 24.0" height, one sash locks shall be located at the middle of jamb. Two sets of lock shall be used located 8" ~ 12" from each end when the height of window exceeds 24", which function to both secure the opening as well as ensure a tight sash to jamb weather-stripping compression.

Materials: All extrusions shall be Prime-Alloy 6063-T5 and shall be thermally broken by a high density and low thermal conductive material. Frame (head, jambs and sill) & sash (top, bottom and stile rail) has a main wall thickness extrusion of 0.125". Mullions shall have 0.094" wall thickness. All sash shall be tubular profiles.

Frame construction: All frames are constructed of thermally broken extruded aluminum members. All corners shall be coped, sealed & butt-joined mechanically fastened with two stainless screws. Frame depth shall be 2-1/4".

Sash construction: Sashes are constructed of thermally broken extruded aluminum members. All corners shall be mitered, keyed, staked and sealed.

Glazing: Sashes shall be utilized a 1" thick, sealed insulating glass unit fabricated from two sheets of 3/16" thick, clear annealed glass and a metal spacer, desiccant-filled metal spacer system (intercept insulating unit. The glass is set from the interior against a dual-sided adhesive

tape, and secured with an aluminum snap-fit glazing bead and a wedge gasket.

Screen construction: Standard screen shall be a full screen. The screen rails shall be extruded of aluminum with all corners keyed. The screen mesh shall be held-in-place with a flexible spline. The screen unit shall be held-in-place by clips at each screen jamb.

Hardware: Two (or one, when WH<34.0") sash lock handle assemblies shall be installed. Four bar HS/SS friction hinges are located at on each end of the top and bottom rail. Roto type operator assembly shall be located midspan of interior sill leg..

Weatherstripping: Two rows of 1/4" diameter hollow bulb gasket shall be used around the sash perimeter to minimize air infiltration.

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

Options: 1/4" single sheet glass & DSB IG (two sheets of 1/8" thick glass) are available for non-certified label required. 45-degree opening, heavy duty HS/SS friction hinges, push/pull handles, without crank operator are available. Grids – Colonial, Georgian and Diamond aluminum in-glass in white, bronze or two tone (green-white or bronze-white), are available. Glazing –, Swiggle glass units, obscure wire, clear wire, frosted, Low-E, Argon filled Low-E, and special tempered glass can be used. Field muller or factory muller units. Two tone colors are available.