

ALUMINUM REPLACEMENT WINDOW DOUBLE HUNG TILT

Product Series Number:	CTD-5500	AAMA Rating: HC-60
Applications:	Heavy Duty Commercial, Normal Duty Commercial	
Frame Depth:	3-1/4"	
Glass Unit Thickness:	1"	
Dimension Limitation:	Minimum:	W=13" H=24"
	Maximum:	W=60" H=99"

Architecture Specifications

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

Operation: Sash shall be counterbalanced to remain in any place during operation. Both sashes 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 extrusion of 0.094". Jambs, head, mullions, stiles and rails shall have 0.062" thickness. Rails shall be tubular profile.

Frame construction: Frames shall have integral screen tracks. Head shall be fitted with a head expander. All corners shall be coped and butt-joined and mechanically fastened with two stainless screws per corner. Frame depth shall be 3.250". Sill shall be sloped to aid water run-off.

Sash construction: All sash corners shall be coped and butt-joined and mechanically fastened with two stainless screws per corner. Full-length continuous integral handles on both sashes shall be rounded at their corners. Meeting rail interlock provides an extremely tight weather seal. Top & bottom sashes shall have spring catches.

Glazing: Both sashes shall utilize 1" thick insulating glass consisting of two sheets of 3/16" thick clear annealed glass and a desiccant filled metal "warm-edge" spacer system (intercept insulating unit). A butyl sealant shall be extruded around the entire perimeter of the spacer to achieve a seal. Both sashes shall be

marine glazed with the glass unit set in a wrap-around vinyl glazing channel.

Screen construction: Standard optional 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 or aluminum screen wire by a flexible spline.

Hardware: Each sash shall be equipped with two spiral balances. Sash lock(s) shall be finished either white or black and 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 polyester TGIC powder finish. The painting process is preceded by a non-chromate 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 spacer, obscure wire, clear wire, frosted, Low-E, Argon filled Low-E and special tempered glass can be used. Full screen, field mulled or factory mulled units, and oriel windows are available. Two tone, custom colors, casement fin, panning, interior trim and 3 1/4" mullion are available.