

## ALUMINUM REPLACEMENT WINDOW DOUBLE HUNG TILT

<b>Product Series Number:</b>	<b>CTD-5500</b>	<b>AAMA Rating: HC60</b>
<b>Applications:</b>	Heavy Duty Commercial, Normal Duty Commercial	
<b>Frame Depth:</b>	3-1/4"	
<b>Glass Unit Thickness:</b>	1"	
<b>Dimension Limitation:</b>	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.

