

# ALUMINUM WINDOW PROJECT-OUT

<b>Product Series Number:</b>	<b>CTP-8200</b>	<b>AAMA Rating: AW-85</b>
<b>Applications:</b>	Heavy Duty Commercial, Normal Duty Commercial	
<b>Frame Depth:</b>	2-1/4"	
<b>Glass Unit Thickness:</b>	1/4"(single sheet), 1"(IG)	
<b>Dimension Limitation:</b>	Minimum:	W=17" H=18"
	Maximum:	W=60" H=36"

## 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 bottom of frame by means of a handle assembly. Sash shall pivot at the top on two Four Bar HS/SS friction hinges are located at on each end of each jamb. The handle shall be the locking device located at the bottom sash rail and shall ensure 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. Two (or one, when WW<30.0") sets of 8" swing in screen door attached on the bottom screen frame for operating the lock handle

**Hardware:** Two (or one, when WW<30.0") metal sweep lock & keeper sets shall be installed located 16" from each top rail end. Four bar HS/SS friction hinges are located at on each end of jamb.

**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 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 mulled or factory mulled units. Two tone color are available.

\* This product does not been physically tested by AAMA spec. According the same structure, profiles & hardware with Series 8000 casement window, the AAMA test report of Series CTC-8000 could be used as reference