

## WELDED VINYL REPLACEMENT WINDOW DOUBLE HUNG TILT

<b>Product Series Number:</b>	<b>CVD-500</b>	<b>AAMA Rating: Pending*</b>
<b>Applications:</b>	Residential, Light Duty Commercial	
<b>Frame Depth:</b>	3-1/4"	
<b>Glass Unit Thickness:</b>	7/8"	
<b>Dimension Limitation:</b>	Minimum:	W=15" H=27"
	Maximum:	W=48" H=80"

\*4.5 lb. water design for DP 30 that is possible higher to match R35 in physical test.

### 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 vinyl extrusions shall be rigid 100% virgin PVC. *Wall thickness for sash rails shall be 0.062" & tubular extruded. Head and jamb shall 0.070" & shall have six tubular hollows, ", for sill shall be 0.085" & 7 tubular follows for strength and thermal efficiency. Sash profiles shall be tubular four tubular hollows.*

**Frame construction:** Frame shall be either fitted with a head expander and sill extension or ultrasonic point welded with nailing fin or J trim. All corners shall be mitered and fusion welded. Frame depth shall be 3.250".

**Sash construction:** All sash corners shall be mitered and fusion welded. There shall be integral interlock at the meeting rail. Width over 40" shall have metal reinforcements at meeting rails.

**Glazing:** Both sashes shall utilize 7/8" thick insulating glass consisting of two sheets of 3/32" thick clear annealed glass and a desiccant filled metal 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 exterior glazed, back bedded with

silicone, and utilize dual durometer snap-in glazing beads.

**Screen construction:** Standard screen shall be a half screen. The screen rails shall be roll-formed of aluminum with all corners keyed. The screen mesh shall be held-in-place with a flexible spline.

**Hardware:** Sash balances shall be factory calibrated spiral balances. Balance rods shall be inserted into the slot of the shoe which lock in place once sash is tilted in. Sash lock shall be cam type and finished to match the vinyl extrusion color. Sash lock shall be fastened at the lock rail by two self-tapping color matched screws. Double locks standard on window widths over 24". Two vent locks shall be located on upper sash for opening the window partially.

**Weatherstripping:** High-density woven pile shall be used in combination with continuous polyethylene rigid seal to minimize air infiltration.

**Finish:** Shall be solid vinyl in off white.

**Options:** 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 are available. Nailing fin can be used for new construction.