

## **THERMAL BREAK ALUMINUM SLIDING PATIO DOOR**

**Product Series Number: CTP-1200/CTP-1240/CTP-1260 R-25**

**Applications:** Residential & Commercial

**Frame Depth:** 4-1/2"

**Glass Unit Thickness:** 1"

**Dimension Limitation:**

<b>Transom/Side Lite:</b>	Minimum: W=20" H=20"	Maximum: W=120" H=48"
<b>Two-Panel:</b>	Minimum: W=44" H=65"	Maximum: W=71" H=79"
<b>Three-Panel:</b>	Minimum: W=66" H=65"	Maximum: W=180" H=100"

### **Architecture Specifications**

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

**Operation:** One panel of the two-panel unit, middle panel(s) of the three unit shall be movable. Operating panel shall glide on tandem metal adjustable wheels. Stationary panel shall be inserted in head and sill, fixed on jamb with a pair of aluminum retain clips. Panels shall have a positive interlock at the meeting stiles when in the closed position.

**Materials:** All extrusions shall be Prime-Alloy 6063-T5 and shall be thermally broken by a high density and low thermal conductive material. Jambs, sill head sash rails and mullion shall be 0.062" in wall thickness.

**Frame construction:** Frames shall have integral screen tracks. Head/jamb corners shall be mechanically fastened with two stainless screws per corner. Sill/jamb corners shall be mechanically fastened with a 1/8" thick foam pad & three stainless screws per corner. Frame depth shall be 4-1/2".

**Sash construction:** All sash corners shall be mechanically fastened with one stainless screw per corner. There shall be integral interlock at the meeting rails in all sash height. Movable sash shall be taken out from the frame at its opening position without using tool, and cannot be taken out when it closes.

**Glazing:** Sash shall utilize 1" thick insulating glass consisting of two sheets of 1/8" thick clear tempered-proof 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. Sash shall be marine glazed with the glass unit set in a wrap-around vinyl glazing channel.

**Screen construction:** Screen shall cover the movable panel(s) area. The screen rails shall be aluminum extrusion 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 movable panel shall have an attractive wood locking handle set at one of its stiles. Two adjustable steel tandem rollers shall be recessed into the bottom rail of each movable panel.

**Weatherstripping:** High-density woven pile shall be used in combination with continuous polyethylene rigid seal to minimize air infiltration. Double weather-stripping at panel head.

**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:** Colonial, Georgian and Diamond aluminum in-glass grids in white, bronze or two tone (green-white or bronze-white), are available. Low-E, and Argon filled Low-E glass can be used. Custom colors are available. Sub-Sill Options for different weight of water are available.

**AAMA Rating:**

- Series 1200: SGD-R25, Tested;
- Series 1240: SGD-C40, Tested;
- Series 1260: SGD-C55, Tested.
- Series 1270 Side-lite / Transom: F-C60, Pending.