

ALUMINUM TERRACE DOOR

Product Series Number:	CTT-1400	AAMA Rating: HGD-HC50
Applications:	Heavy Duty Aluminum Terrace Door	
Frame Depth:	3-1/4"	
Glass Unit Thickness:	1"	
Dimension Limitation:	Minimum:	W=24" H=60"
	Maximum:	W=56" H=96"

Architecture Specifications

General:

Manufactured by Crystal Window & Door Systems, Ltd., 31-10 Whitestone Expressway, Flushing, NY 11354.

Operation:

Door shall operate by pivoting from one of the side jambs when the lock is released. Sash shall pivot at the jamb with three metal hinges. Three-point sash locks shall be located at the sash and shall function to both secure the opening as well as ensure a tight sash to jamb weather stripping compression.

Materials:

All extrusions shall be Prime-Alloy 6063-T5 tubular aluminum and shall be thermally separated by the Thermal Bar System which greatly reduces the effects of "Dry Shrinkage" and cracking commonly found in Pour and De-bridge products. All Extruded profiles, head, sill, side-jambs, stiles, rails have wall thickness extrusion of 0.125".

Frame Construction:

The frame shall be constructed of thermally improved aluminum extrusions. The top corners are mitered, sealed, keyed and staked. The bottom corners were coped, butted, sealed and fastened with four screws. Frame depth shall be 3.25".

Sash Panel Construction:

The sash panel shall be constructed of thermally improved aluminum extrusions. The corners shall be mitered, butted, keyed and staked.

Glazing:

The door shall utilize a 1" thick, sealed insulating glass unit fabricated from two

sheets of 3/16" thick, tempered glass (to reach AAMA Rating: HGD-HC50) and a desiccant-intercept or swiggle system. The insulating glass unit shall be exterior glazed, bedded in glazing tape, cap beaded with silicone and trimmed with a wedge gasket and extruded aluminum glazing beads. (1/8" thick, tempered glass also available.)

Hardware:

Three petite metal door hinges shall be install on hinge stile and hinge jamb. One metal handle with latch and dead bolt with secondary security bolts shall be used on lock stile. One metal latch plate and 3 hook plates shall be used on lock jamb. When the height of door ≥ 90", a four-point lock shall be used.

Weather-stripping:

One row 3/8" diameter flexible bulb gasket shall be used around the sash on bottom rail, top rail, hinge stile, lock stile and sill. One row 3/8" diameter flexible bulb gasket shall be used around the frame in head, sill and jambs.

Finish:

All exposed surfaces shall receive an electrostatically baked-on acrylic finish. The painting process is preceded by a chromate conversion coating for proper adherence.

Options:

Argon filled tempered low-E glass IG, 2" casement-fin frame, metal laminated kick-panel. Special finish: Clear & color anodizing, 50% & 70% fluoropolymer coating. One lite & with top transom or side lite. Two lite with or without center post...