



**T/B THERMALLY BROKEN SLIDING
GLASS DOOR Series 1110**

SPECIFICATIONS - TSGD RATING: SD-LC25

General – Thermally Broken Aluminum sliding glass doors shown on plans and specifications shall be HERITAGE series 1110 as manufactured by Tashco Industries, Inc of Gilbert, Arizona.

PERFORMANCE REQUIREMENTS- Each assembly shall be Tested by an AAMA accredited laboratory with specified test methods.

MATERIALS – HERITAGE Thermally Broken Sliding Glass Doors shall be constructed of specially designed, extruded sections of 6063T5 tempered aluminum alloy and I-Struts between extrusions in accordance with HERITAGE engineering standards drawings. Struts are fiberglass filled polyamide. Fiberglass strands run with longitudinal consistency for better structural integrity, Minimum wall thickness to be .062 on all door frames and door leaf members.

PERIMETER FRAME - Consists of head, sill, jambs and center jamb on OXO. The head and jambs are 2 solid extrusions combined by 2 struts. The sill consists of 2 hollow extrusions combined with 2 struts. Struts are fiberglass filled polyamide and are 18mm deep to provide 18mm separation. 2 struts provide air filled hollow volume between aluminum extrusions. The sill consists of 2 double hollow extrusions to accumulate and drain water out. They are combined by 2 18mm struts with a hollow volume of air. Header and jambs can come with integrated nail fins which are set back 1.313".

VENT – Consists of top and bottom rail, lock and interlock stiles. Top & bottom rails have hollow areas to provide screw ports and housing for struts. 2 strut separations are 14.8mm Minimum wall thickness is 0.062".

HARDWARE AND CONSTRUCTION – Door frames shall be constructed with the jambs running full height. Sill and head will be joined to the jambs and mechanically fastened with 2 each #8 screws at each end. Each jamb, header and sill shall have pile weather stripping. The sill will have ¼" diameter engineered plastic composite rod on which the vent(s) will glide. The rod is molybdenum sulfate filled. As a result, it is highly self lubricating and provides an exceptionally quiet gliding. Both ends of triple hollow sill are silicone packed and double sided automotive grade gaskets are used between jamb and the sill ends before the mechanical fastening. The rod is pressed over 3M VHB tape Top and bottom rails shall butt between stiles. The top and bottom rails of the vent(s) extrusions have hollow sections and are combined with 14.8mm struts. The lock (lead), interlock, and fix panel's back stiles are combined by 2, 30mm struts. Rails are joined to the stile ends telescopically to reinforce them for 90 degree corners.

The top and bottom vent rails have two integral screw ports to achieve non-separating corners. Top and bottom rails are to be fastened with #8 screws. Interlock stiles have concealed weather stripping which is doubled. Panels are ¾" penetrated by the glass. All joints and corners will be constructed free of unfinished metal edges.

Title of AAMA Test	Measured	Allowed
Air Infiltration ASTM E 283	0.2 CFM/ft2	0.3 CFM/ft2
Water Penetration ASTM E 547 Test Pressure: 5.25 psf	Pass WTP 4.5.psf	No Leakage
Uniform Load-Structural Test- ASTM E 330 Test pressure: 35.0 psf	0.13 in.	0.29 in.

OPERATING FORCE

Breakaway	22 lb/force	40 lb/force
Motion	12 lb/force	25 lb/force

All steel parts, bolts and screws to be zinc plated. (Stainless Steel on the coastal areas) The vent rollers are all stainless steel (housing, wheels & internal parts). The wheels are 1.25" to 3" dia depending on the vent weight and size. The lock handle is HERITAGE's patented external operating system. It allows no structurally weakening machining on the lock stile. The external handle is extruded aluminum which allows the sliding lock/handle of the screen to engage. As a result, it is possible to operate screen and vent in tandem. Another option, developed by HERITAGE, is a flush mount handle with a multi point flip and lock, is optional. The screen is made with extruded aluminum and matches the door finish. The screen is made of 2 different hollow extrusions. The stiles are double hollow and rails are hollow. Corners penetrate telescopically and bottom and top rails carry stainless steel rollers (housing, wheel and parts are all stainless steel). The screen has a patented sliding lock handle. No center machining on the stiles allows a high degree of bowing without breaking from accidental hits. The double hollow screen stiles are individually cambered to provide very tight mesh.

GLAZING – Glass is to be held in place by marine, all wrap around, glazing. The glazing vinyl is PVC and corners are mitered for perfect fit. The insulated glass is fabricated by HERITAGE automated system of double sealing. The spacers are plated steel and all corners are bent robotically. The primary seal of PIB is applied robotically. The secondary seal is 2-part silicone. There shall be no glass to metal contact.

INSTALLATION - All units to be installed in prepared openings in accordance with manufacturer's recommendations and installation drawings. Frames must be securely fastened, set plumb and level without twisting, bowing, or distortion. Openings shall not vary in measurement from jamb to jamb or from head to sill by more than 3/8" and shall not vary more than ¼" on corner to corner diagonal measurements. HERITAGE door frames shall be securely anchored in place. No screw must be used in anchoring the sill. The product design shall permit reglazing easily and be cost effective laborwise. HERITAGE assumes no liability for damage by the installer or final cleaning of the glass or aluminum.



**T/B THERMALLY BROKEN SLIDING
GLASS DOOR Series 1110**

SPECIFICATIONS - TSGD RATING: SD-LC25

FINISH – Standard finish is dry powder meeting AAMA 2603. Hybrid polyester paint will meet AAMA 2604 and Kynar will meet AAMA 2605. Clear and bronze anodized are Class II, meeting AAMA 607.

SPECS – Since HERITAGE products are constantly being improved, HERITAGE reserves the right to change specifications and designs.