



SLIDING GLASS DOOR

SPECIFICATIONS - SGD3 RATING: SD-C-35

General – Aluminum sliding glass doors shown on plans and specifications shall be HERITAGE series SGD3 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. It will meet CAVM 300-96 Forced Entry Test

MATERIAL – HERITAGE SGD3 Doors shall be constructed of specially designed, extruded sections of 6063T5 tempered aluminum alloy, in accordance with HERITAGE engineering standards drawings. 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 is a solid extrusion and provides 1.25" sightline. The jambs are solid extrusions and provide 1.125" sightline. The sill is double hollow to accumulate and drain water out. Header and jambs can come with integrated nail fins, which are set back 1.313"

HARDWARE AND CONSTRUCTION – Doorframes 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, the header and the sill to have pile weather stripping. The sill will have ¼" dia. 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 the double hollow sill are silicon 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) are hollow. The lock (lead) stile is double hollow, the interlock stiles are hollow and the back stile of the fix is solid. Rails are joined to the stile ends telescopically to reinforce them for 90-degree corners. The top and bottom vent rails have three integral screw ports to achieve non-separating corners. Top and bottom rails are to be fastened with #8 screws. Interlock stiles have concealed weatherstripping, which is doubled. Panels are penetrated ¾" by the glass. All joints and corners to be constructed free of unfinished metal edges.

All steel parts, bolts, screws to be zinc plated. 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. The screen is made with extruded aluminum and matches the door's 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 SS). The screen has a patented sliding lock handle. No center machining on the stiles provides high degree of bowing without breaking against 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 a perfect fit. The insulated glass is fabricated by HERITAGE's 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 doorframes 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.

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.

Title of AAMA Test	Measured	Allowed
Air Infiltration ASTM E 283	0.2 CFM/ft ²	0.3 CFM/ft ²
Water Penetration ASTM E 547 Test Pressure: 5.25 psf	Pass	No Leakage
Uniform Load-Structural Test ASTM E 330 Test pressure: 45.0 psf	0.13 in.	0.29 in.
Operating Force Breakaway	22 lbf	40 lbf
Motion	12 lbf	25 lbf