



## FOLDING DOOR – FD1

SPECIFICATIONS - SERIES FD1

General – Aluminum folding doors shown on plans and specifications shall be HERITAGE series FD-1 as manufactured by Tashco Industries, Inc of Gilbert, Arizona. It is a top running folding door.

MATERIAL – HERITAGE Folding 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 .072 on all door frames and door panel members. Adapter and cap extrusions to be .062 wall thickness.

PERIMETER FRAME - Consists of head, head compensation channel, jambs and sill. The head compensation channel integrates with the head which has a hollow section to provide rigidity. Compensation channel and head are connected by special suspension hardware. Jambs are hollow. The sill is double hollow to accumulate and drain water out.

FOLDING PANEL– Consists of top and bottom rails, and stiles. Glass is held by rails and stiles. Rails and stiles are hollow. Minimum wall thickness is 0.072".

HARDWARE AND CONSTRUCTION – Door frames are constructed with one jamb running full height. The other jamb floats and has an adjustment capability with a special metal bolt. Sill and jamb will be butt joined and mechanically fastened with 2 each #8 screws at each end. Floating jamb will float between head and sill caps. The double hollow sill will be silicone packed to close the ends. An automotive type gasket will be between the packed sill end and metal cap. The head is integrated with the compensation channel by high strength steel bolts that hold high strength spring, washer and nut. The washer and spring are one piece. This suspension hardware is factory installed every 12-24". It provides an exceptionally easy installation adjustment against potential structural sagging up to 1/4" without removing any panel. The door panels will have mitered corners between rails and stiles. Mitered corners will have 5 ea corner keys. The first is a die cast key with a cap head bolt. It also contains two machine screws which is 7/16-14. The second set of keys is a double heavy wall aluminum keys. The third set is die cast flange keys and they provide directional straightness on the miter. The center panel(s) will have 2 tandem rollers. The roller sets will have high precision, totally sealed bearings with delrin outer wheels. The roller set has nylon sleeves to stop metal to metal friction and to provide quite rolling. The roller mechanism is integrated with through aluminum hinge wings. Hinges are anodized and carry brackets to be fastened thru. This design provides easy field assembly and adjustment. The sill hinge set has an integrated guide for a smooth operation. Between the top roller set and the bottom hinged guide set, there are center hinges of the same design and finish. End panels will have single roller running hinges for right and left configuration for the head and guided hinges for the sill. Panels are locked in by concealed multi-point mechanism. The rods are steel and have adjustable end caps

which go through guides. Rods have inner guides in the hollow stiles. Multi point rods are operated by pivoting and 90 degree rotating die cast levers. Each lever has a corresponding flush mount pull handle on its twin panel in swing out doors. The swinging panel option provides multi point locking and latching with a key cylinder. Panels are held firmly in place by magnet sets when they are open. Magnet sets provide some suspension. All joints and corners are constructed free of unfinished metal edges.

The compensation channel spring assembly is made up of 5/16" button head screw, washer integrated spring and steel locknut. The spring assembly in the head & channel, the corner key adjustment bolt, and jamb adjustment bolt are finished with QPO black zinc plating. The corner key socket head adjustment screw, hinge wing bracket screws, perimeter frame screws and external lock/latch screws are stainless. Jamb adjustment bolts are aluminum. The lock/latch is plated steel. Hinge brackets, strike plate for the latch and mitered corner's main bracket are die cast. Swinging panels to have European multi point locks. Key cylinders run through finished plates. Dead bolt throw is hardened steel and is supplemented by a mortise lock. All seals are EPDM.

GLAZING – Glass shall be held in place by the rails and stiles without any glazing stop resulting in a clean line free appearance. Glass is held between an exterior hard EPDM and interior EPDM sponge. There shall be no glass to metal contact. Glass will sit on 4" long and .220 thick 80 –90 durometer EPDM setting blocks. Same setting blocks will support the glass on jambs and head. Insulated glass shall be HERITAGE, double sealed and with plated steel spacers.

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 3/16" and shall not vary more than 3/16" on corner to corner diagonal measurements. HERITAGE door frames shall be securely anchored in place, leaving no exposed installation screws. Manufacturer assumes no liability for damage by the installer or final cleaning of the glass or aluminum.

FINISH – Finishes can be dry powder, hybrid polyester, Kynar, 2-step anodized; depending on requirements.

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