

## **PRE-ASSEMBLED GLASS STORE-FRONT DOOR SPECIFICATIONS**

### **Door & Frame Material**

All aluminum components shall be extruded and are a 6063-T5 alloy and temper. All exposed fasteners shall be either aluminum or stainless steel. Major portions of the door sections shall have a .125" wall thickness. Door stiles shall be no less than 2 1/8" wide (not including glass stops). Door stiles and rails shall have hairline joints at corners. Heavy concealed reinforcement brackets shall be secured with screws and shall be deep penetration and fillet welded.

All doors shall have an adjusting mechanism in the top rail to provide for minor clearance adjustments. Weatherstripping shall be wool pile and shall be installed in one stile of pairs of doors and in jamb stiles of center pivoted doors. Doorstops shall include wool pile weatherstripping.

### **Glazing**

The glass shall either be 1" insulated tempered or 1/4" tempered monolithic.

Glazing stop sections shall have a .050" wall thickness. All units shall be dry glazed with extruded pressure fitting aluminum glazing stops and rubber gasket.

### **Anodized Finish**

All exposed areas shall be finished with a Class 1 electrolytically deposited color either in clear anodized or dark bronze anodized.

### **Subframing**

The SUBFRAMING creates a framed opening and consists of two galvanized steel, 16 gauge C-channels that matches the girt depth for the building. They are factory installed and can be prepared to meet most any application (curbs, wainscot).

### **Standard Hardware & Components**

The THRESHOLD is factory installed, is 4" wide and is extruded aluminum. It is saddle shaped and does not exceed 1/2" in height which meets ADA requirements. The finish is mill.

The HINGES are a pair of "offset pivots" and are composed of cast aluminum. There is an oilite bronze bushing in the top frame portion. The spring-loaded pin in the top door

portion is case hardened. The bottom door portion utilizes a full race ball bearing. There is a case hardened stud in the floor/jamb portion that has a 1/8" vertical adjustment. This is a handed pivot set. The finish is either baked satin aluminum paint or baked storefront bronze paint.

The MORTISE LOCK CYLINDER is 1-5/32" in diameter and has five pins. It is furnished with a standard 3/16" cylinder ring and comes with a standard MS type cam. The standard cylinder is key operated from the outside. The cylinder face is in either anodized satin aluminum or bronze. The core face and key have a US26D finish.

The PUSH/PULL set is factory installed. The pull handle is 10" high x 3" wide and projects 1-9/16" from the face of the door. The push bar is 33" wide and 1" wide and projects 1" from the face of the door. The handle set is secured to the door with hex bolts and thru bolts. Fasteners are concealed, where possible. The finish is clear or bronze anodize.

The CLOSER is surface mounted and is a grade 1. It has adjustments for the closing and latch speeds as well as an adjustment for the backcheck. It comes in a dark duranodic bronze sprayed finish.

A standard pair of doors (6070) will include a top and bottom FLUSH BOLT in the inactive door leaf. This will provide two-point locking for that leaf in addition to the active leaf, which also locks into the inactive leaf. This flush bolt utilizes a positive U-joint actuator with a 5/8" throw. The top of the bolt has a square nylon tip with beveled corners that fits into a 1/2" square hole. The finish is either baked satin aluminum paint or baked storefront bronze paint.

All of the FASTENERS required for the installation of the pre-assembled door are included. The fasteners included are (4) 1/2" x 2 1/4" hex head sleeve anchors, (3) 1/4" x 2" flat head sleeve anchors and (18) #10 x 1" hex head tek screws.

### **Packaging**

The entire door system is packaged in a heavy-duty wooden crate that has been adapted for forklift handling. A bubble packet on the door includes keys for the mortise lock cylinder, all fasteners required for installation and information on the closer.

### **Conformance Standards**

With the door closed and locked, the unit has been tested in accordance with ASTM E 283 at a static air pressure difference of 1.57 psf. Air infiltration shall not exceed .50 cfm per foot of perimeter crack length for single doors.