

## TECHNICAL BULLETIN

**All Glass Entrances Installation Instructions****DOORS:**

- 1 It is essential that the pivot centerline and closer axle centerline be aligned and plumb.
- 2 If necessary to drill or tap holes in the rail, be certain that this is done on the existing adaptor plate. If you drill into the bottom web of the rail you risk contacting the glass beyond and consequently causing instant or delayed breakage. Likewise, **SELECTION OF PROPER LENGTH SCREWS IS VERY IMPORTANT.**
- 3 Install closer arm in door rail (using adapter plate shims if necessary). In case of an overhead closer, remove top and bottom end caps and slide door onto bottom pivot and top closer axle at the same time. During this process it is important that the bottom rail not drag as it may result in damage to the rail, end cap, or metal finish.
- 4 Prior to removing end caps, determine that you have the proper pivot centerline distance from end of door to insure proper jamb clearance. (Adaption plates are set for a standard pivot distance of 2 5/8" from the edge of door). **CAUTION: NEVER ALLOW DOOR TO CLOSE RAPIDLY WHEN CLEARANCES HAVE NOT BEEN CHECKED.**
- 5 When installing pull bars avoid any chance for contact between metal and glass. **GROMMETS OR SPACERS FOR PULL BARS MUST BE OF A RESILIENT MATERIAL.**
- 6 Locks normally furnished with doors are straight throw, round bold deadlock. This lock is actuated by cylinders with a Yale cam.

**SIDELIGHTS:**

- 1 Unless specified, all sidelights with top and / or bottom rails will be furnished KD or unassembled (the rail and glass separate). When a bottom rail is furnished KD you need to pre-drill holes in the floor for expansion bolts; then drill holes through the bottom of the glass pocket in the rail and in the sidelight track to correspond with the holes in the floor. Use screws of an adequate length to pass through the hole in the bottom of the glass pocket, through the sidelight track, and into the expansion bolt. After the rails are fastened to the floor, repeat the same exercise at the head, if top rails are furnished.
- 2 **THE USE OF SETTING BLOCKS IN THE GLASS POCKET AT THE SILL IS NECESSARY.** Unless otherwise specified, the glass will be sized so that 7/8" high setting blocks will be required. This will allow you to place the top of the glass in the top rail and then position the bottom of the glass over the bottom rail and drop into place. This will result in 5/8" coverage over the face of the glass at the head and sill on 1/2" glass (1/2" coverage at the sill on 3/4" glass).
- 3 Gasket is provided in stock lengths (if 1/2" glass is used) to be field applied after glass is installed.
- 4 If mounting top rail and track to a two-piece header with snap-in bottom it will be necessary to back-up or anchor the snap-in plate to the top of the header. The most common means for doing this is to insert a 2" x 4" (actual 1-1/2" x 3-1/2") dressed lumber wood block in the header, anchor that to the top of the header or through the top into the structural member above the header, and then mount the track and rail through the snap-in plate into the 2" x 4".

**CARE:**

- 1 Regular maintenance (at least every 6 months) is advised, principally lubrication of any moving parts, particularly the top pivot.
- 2 If the metal finish is anodized aluminum, wash periodically with detergent and water, using a soft cloth.
- 3 If the metal finish is a clad finish, it will be provided with a protective vinyl covering. This protective layer of plastic should be removed as soon as possible and the material cleaned to prevent staining and/or extra labor required in cleaning of the material.
- 4 As brass and bronze **will** discolor, corrode, stain, and / or tarnish from various causes such as oxidation, chemical exposure, acid rain and atmospheric conditions, periodic cleaning of this metal **will** be necessary. A commercial brass/bronze cleaner is recommended for cleaning and polishing of the metal; also you may wish to use a commercially accepted lacquer to help retard the speed at which the rails **will** tarnish. Refer to Virginia Glass Products Technical Bulletin TGD-2, Maintenance of Brass and Bronze Metal Finishes.