

SPECIAL DOORS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Door panel
 - 2. Bumper/Kick plate
 - 3. Windows
 - 4. Hardware and accessories

1.5 PROJECT/SITE CONDITIONS

- A. Existing Conditions: Frames installed, under other sections, shall be level and plumb.

1.6. WARRANTY

- A. 730 days from the date of installation or 760 days from the date of shipment, whichever comes first.

PART 2 PRODUCTS

Impact Traffic Doors

2.2 DOOR COMPONENTS

- A. Door panel surface shall be high impact abrasion resistant ABS plastic laminate on both sides with minimum wall thickness of 0.09", overall panel thickness of 1 7/8" and textured surface finish. Bottom and leading edges have molded-in keyways to accept gaskets.
- B. Door panel core shall be polyethylene foam, providing an insulating R factor of 10.83.
- C. Standard Hinge System: consists of the following components:
 - 1. Upper hinge: self-closing "V" cam design; [1-3/8" standard rise]. . Upper hinge seal shall be wrapped by black PVC cover skirt
 - 2. Lower hinge: aluminum lower hinge adapter with UHMW sleeve.
 - 3. Hinge Shaft: 1" diameter solid aluminum shaft, mounted in the top and bottom of the aluminum back inside

reinforcement framework and fastened by screws on the inside of the panel. The aluminum shaft rests in the UHMW sleeve, which is mounted in the lower hinge guard. The Roller Assembly mounts to the top of the aluminum shaft and rests on the V-Cam.

4. Panels shall be manufactured with a one-piece Reinforcement aluminum frame work inside of panel. Back edge aluminum reinforcement frame shall has door shaft slot to hold the door pane shaft, no metal parts can be see from outside to transfer energy.

- D. Vision Panel: Window shall be 14"X22", 22"X22", 16"X16" or 10" x 30", two piece, injection molded, low profile frame with double 1/8" thick polycarbonate panes separated by a closed cell foam gasket seal. Minimum height from finish floor to the bottom of the viewing area shall not exceed 40/48 inches.

Impact Traffic Doors

- E. Gaskets: Gaskets shall be 60 to 80 durometer extruded black santoprene fitted into matching, pre-formed gasket key and held by friction. Gaskets have wings which seal against rounded edges of the door.

THE FOLLOWING ACCESSORIES ARE OPTIONAL. SELECT AS DESIRED AND DELETE OTHERS

2.3 ACCESSORIES

- A. 12", 18", 24" or 36" stainless steel/HDPE kick plate
- B. Polyethylene Spring Bumpers with 3" projection, [6", 12", 18", 24" or 36" heights}. Color to be determined by Architect from manufacturer's standard selection.

END OF SECTION