

## **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: shall be chemical bonded polyethylene foam with high impact abrasion resistant ABS plastic laminate minimum wall thickness of 0.09", overall panel thickness of 3-3/4" and textured finish. Leading, backing, top and bottom edges have molded in key extrusion to accept gaskets.  
There is no metal connection from inside to outside on the door panel to transfer energy
- B. Door Panel Core: shall be of 3-1/2" thick polyethylene foam bonded to interior of the high density ABS sheet
- 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: Shall be triple pane. Each window glazing shall be 1/8" thick polycarbonate with a aluminum tube separator placed between two 1/8" thick ABS frames, sealed by gel glue. Maximum height from finish floor to the bottom of the viewing area shall not exceed 48". Window size shall be 10"X16", 12" x 18", or 16" x 16".

#### Impact Traffic Doors

- E. Gaskets: the four side of door panel shall have double gaskets to prevent cold air exchange, Gaskets shall be 55 to 70 durometer extruded black PVC fitted into matching, pre-formed gasket key and held by friction.

*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