



Section 08380 Traffic Doors

SR 9000 Series

Part 1: General

1.1 Summary

1. ABS outer skin, foamed in place insulated High Impact Traffic Doors.
2. Lower hinge guards
3. Spring Bumpers, Impact Plates
4. Single/Double Pane Vision Panel
5. Hardware and all mounting accessories.
6. Door types, sizing and location of each door shown on drawings and in schedules.

1.2 Submittals

1. Submit to architect door manufacturers product data, specifications and installation instructions for each type of door. Include details of hardware anchoring for preparation of frame openings.

Part 2: Products

2.1 General

1. Door panels shall be constructed with a PVC perimeter extrusion all mounted to internal welded one piece 1 ¼" steel tubing with integral steel reinforcing in hinge areas and steel gussets in remaining corners.
2. Doors have a textured abrasive resistant ABS face sheet bonded to both sides of the PVC extrusion creating a one piece 1 7/8" exterior shell.
Color: From Manufacturers standard range to be selected.
3. Core consists of foamed in place high density non-CFC urethane bonded to the interior of the door shell obtaining an insulating "R" factor of 12.18

Page 2 – Section 08380 – Traffic Doors

4. Perimeter edges are bull nosed with a minimum 5/16” radius prepared with keyways to accept preformed 60 to 80 durometer extruded black neoprene gaskets factory applied on all edges of door. Gaskets have wings to form a seal against radius edges of door.

A) Fully Gasket Back, bottom and lead edge of door to have blade gaskets, top of door to have bull nose gasket
Top seal to be a dual durometer PVC extrusion mounted to the frame header.
Upper hinge seals to be black reinforced vinyl all mounted to a galvanized upper hinge backer plate.

OR

B) Partially Gasket Lead edge – Blade gasket
All remaining edges to be a bull nose gasket.

5. Standard Hinging System:

Upper hinge - shall consist of a self closing mid rise (1 1/8” rise) “V” Cam 90 x 90 degree swing.

Lower Hinge – shall be pillow block design manufactured of aluminum with a UHMW sleeve insert.

Hinge Shaft – 1 15/16” diameter aluminum upper and lower hinge adapters inserted with four screws through internal steel reinforcement.

6. Single pane vision panel to be one ¼” clear acrylic sheet (Tinted Optional) mounted in a foamed in place recessed PVC frame all sealed to the door panel. The clear acrylic sheet is secured in place with a removable PVC bull nose extrusion; no fasteners shall penetrate the acrylic. Vision panels to be centered in the door panel at 60” from finish floor as standard.

Door Panel Size:

Up to 30”

30” up to 42”

42” up to 60”

Optional ADA

Optional – Round

Custom Sizes and locations are available as an option.

Vision Panel Size

10 ½” x 22 ½”

14 ½” x 22 ½”

22 ½” x 22 ½”

12” x 30”

11” Diameter

7. There shall be no exposed fasteners or rivets on the outer surface of the door body.

Page 3 – Section 08380 – Traffic Doors

2.2 Accessories – Optional Select As Required Delete Others

A. Double pane vision panels to be two ¼” clear acrylic sheets (Tinted Optional) mounted in a self locking black rubber gasket offset to the face of the door panel. Sizes depending on door panel width listed prior under single pane vision panels. Custom sizes and locations available as an option.

B. Spring bumpers to be 6”, 12”, 18”, 24”, 36” or 42” high 3” or 4” projection rotationally molded **BLACK** LLPE material mounted back to back on each side of door panel.

OR

C. Impact Plates mounted on each side of door panel in 1/8” **Black** polyethylene, 1/8” ABS, Stainless Steel or Galvanized plates or a mixture thereof. Specify height up to 42” high.

AND

D. Lower hinge guards, aluminum extruded

OR

E. Lower hinge guards one piece combination, lower hinge and lower hinge guard assembly with a UHMW sleeve insert, extruded aluminum.

AND

F. Spring assist for extreme positive or negative air pressure or wind conditions.

AND

G. 90 x 90 degree mid rise (1 1/8” rise) “V” cam hardware with machined in hold open feature.

OR

H. 90 x 90 degree Stainless Steel mid rise (1 1/8” rise) “V” Cam.

OR

I. 90 x 90 degree Stainless Steel mid rise (1 1/8” rise) “V” Cam with machined in hold open feature.

Page 4 – Section 08380 – Traffic Doors

OR

- J.** 90 x 180 degree stainless steel “V” Cam in combination with a one piece extruded aluminum lower hinge guard with spring assist.

OR

- K.** 90 x 180 degree stainless steel “V” Cam in combination with machined in hold open feature and a one piece extruded aluminum lower hinge guard with spring assist.

AND

- L.** Cane bolts upper or lower or a combination of both for locking capability

AND

- M.** ½” or 2” locking sleeve mounted at 66” center line from finish floor.

2.3 Manufacturers

1. Subject to compliance with requirements, provide products from the following.

CMI Doors (A Division Of Cham Manufacturing Inc.)
4-111 Inksbrook Drive
Winnipeg, Manitoba
R2R 2V7
PH. # 1-866-229-2220
FX. # 1-866-331-3373
www.cmidoors.com

Traffic Doors

Provide CMI Doors - Series SR 9000 Insulated Impact Traffic Doors

COLORS: To be selected from manufacturer’s standard range which include Forest Green, Cadet Blue, Montana Blue, Navy Blue, Dolphin Gray, Metallic Gray, Charcoal Gray, Chocolate Brown, Beige, Red, Black, White, Taupe and Cappuccino.

Color matches available upon request based on minimum quantities.

Page 5 – Section 08380 – Traffic Doors

Part 3 Execution

3.1 Inspection

1. Inspect doors for damage upon arrival on site. Record and report any damages immediately.
2. Installer must examine site prepared frames to confirm doors will fit properly.
3. Commencement of work by installer is acceptance of opening Conditions.

3.2 Installation

1. Install doors as per manufacturers instructions and as shown on drawings and details.

3.3 Adjust and Clean

1. Adjust or replace frames that are not installed properly.
2. Rehang or replace doors that do not swing freely
3. Clean both door and frame with a light industrial soap once installation is complete.
4. Advise contractor of proper procedures required for protection of installed doors from damage or deterioration until acceptance of work.

3.4 Warranties

1. A three year hinging system limited warranty is offered from date of shipment from the factory.
2. A two year limited warranty is offered against door panel breakage from the date of shipment from the factory.
3. All warranties stipulate correct installation and sizing requirements.

END OF SECTION 08380