

08400: ENTRANCES AND STOREFRONTS

ALUMINUM-FRAMED ENTRANCES

Performance:

Doors shall meet resistance to corner racking when tested by the Dual Moment Load test.

Doors shall be weatherstripped to meet the following air infiltration requirements when tested in accordance with ASTM E283:

Pairs of Doors: Maximum of 2.3 cfm per linear foot of perimeter crack at a pressure differential of 1.56 psf.

Single Doors: Maximum of 2.0 cfm per linear foot of perimeter crack at a pressure differential of 6.24 psf.

No exposed fasteners in frame or door.

Aluminum alloy tubular extrusions, 0.125-inch minimum wall thickness – 1 piece

Stile width

Top: 8 inches

Center: 6 inches

Bottom: 18 inches

Welding of doors or frames is not acceptable.

Warranty: Warrant doors and frames including excessive deflection, faulty operation and deterioration of finish or construction in excess of normal weathering.

Warranty Period: Ten years.

Hardware:

Automatic Operators: See “Automatic Entrance Doors” below.

See 08700 for additional hardware requirements.

AUTOMATIC ENTRANCE DOORS

Automatic entrance doors shall be installed at the main entries of new major buildings and at new main entries for renovation projects.

The design, style, functional characteristic, hardware, and other door features shall be selected and specified on a case-by-case basis.

Operation:

Operation is swinging.

Operator is electric.

Exit devices shall be concealed vertical rod.

Activators:

Radio Frequency actuators are preferred.

Interior and exterior push pads mounted at 2 levels for both upper body and foot control.
Preferred height for lower pad is 18”.

Pads shall be located at the correct distance from the door for safe clearances and proper travel time.

Only 1 leaf is required to be activated by push pads at double doors.

Installer Qualifications:

Engage an experienced installer to assume engineering responsibility and perform work who has specialized in installing entrance systems and who is acceptable to manufacturer.

Warranty Period:

10 years on all components of storefront door systems and replacement doors.

END OF 08400