## STANDARD MATERIALS AND CONSTRUCTION

FLANGED FRAME: .100" thk. (nominal) extruded aluminum, 6063-T52/T6.

DOOR FRAME: .081" thk. (nominal) extruded aluminum, 6063-T52/T6.

DOOR PANELS: 20 GA. galvanized steel.

**INSULATION:** 2.25 lb. density polyurethane foam.

**HANDLES**: Die cast zinc.

**DUAL GASKET:** Continuous length extruded foam santoprene.

HINGE: Stainless steel continuous type.

VIEWPORT GLASS: Single pane, 1/4" wire; 9" x 9" standard.

FINISH: Mill.

#### **OPTIONS**

Door panel material: bonderized steel, stainless steel, aluminum

Viewport glass size: 9" x 9" or 12" x 12" Single pane ¼" wire or plexiglass Double pane ¼" wire Thermal pane ¼" wire

Finishes - Baked Enamel, Baked Epoxy, or Prime Coat

#### NOTES

- 1. Hinge always furnished on "B" height dimension.
- 2. (G) designates doors with glass viewports. Specify (L/H) left hand or (R/H) right hand hinge when viewing from the outside.
- 3. 9" x 9" glass viewport are not available on units under 18" in width and 12" x 12" viewports are not available on units under 21" in width.
- 4. Unless otherwise specified, door will be fabricated  $\frac{1}{4}$ " under listed size. Dimensional tolerance is  $\pm$  .075.
- 5. Unless otherwise specified, standard viewport locations are as follows:

'H' = 'B' - 11" (±1") when 'B' is 20" to 60"

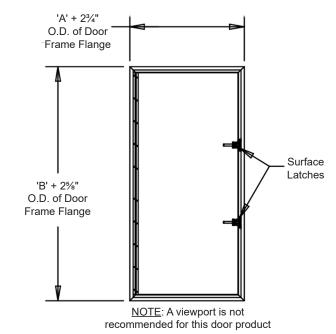
'H' = 48" (±1") when 'B' is greater than 60"

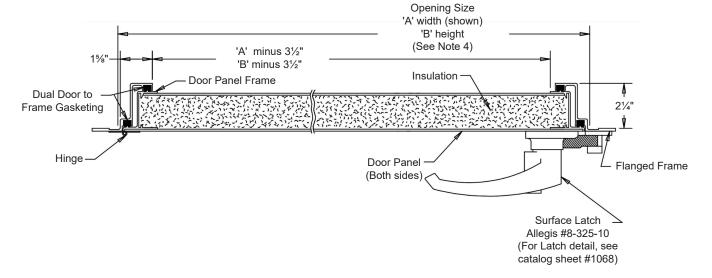
(When specifying non-standard viewport locations, 'H' cannot be greater than 'B' - 11".)

- 6. Door width cannot exceed two times door height.
- 7. Please refer to the installation instructions for mounting of handles and door assembly mounting.
- $8.\ \mbox{ln-swing}$  doors are recommended for positive pressures. Out-swing doors are recommended for negative pressures.

### DOOR SIZES

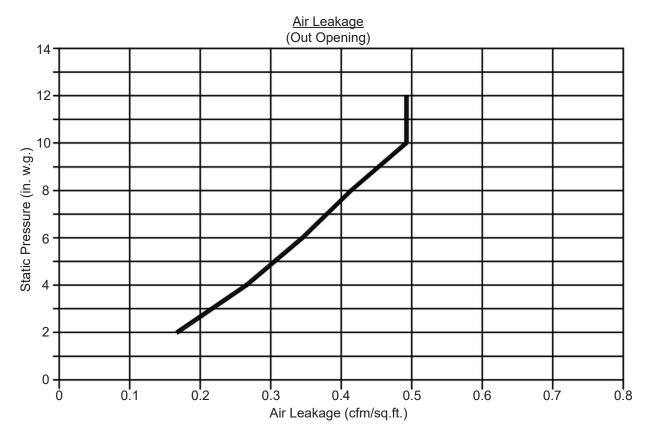
Min Size	Max Size		
12"W x 12"H	48"W x 96"H		





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# PERFORMANCE DATA



Air leakage chart is based upon independent air leakage tests conducted by Architectural Testing Laboratory. The outopening model of a 24" x 60" AHF-Z2 was tested. Tests were in accordance with ASTM E 283-91 "Determining the Rate of Air Leakage through Exterior Windows, Curtain Walls, and Door under Specified Pressure Differences Across the Specimen". Air Balance recommends using out of opening doors for draw through applications and in opening (IO) for blow through applications.

Water leakage results are based upon testing per ASTM E 331-96 "Water Penetration of Exterior Windows, Curtain Walls, and Door by a Uniform Static Air Pressure Difference". The tests consisted of mounted doors under a pressure difference of .55 in. to 2 in. w.g. and subjecting them to a uniform rainfall rate of 8 in./hr. Over the 15 minute period, the Model AHF-Z2 doors (24" x 60") will allow approximately 0.4 gallons of water penetration (3.5 fl oz./min.).

		Left	Right			"H"			
Item #	Qty	Hand Hand		"A" Width	"B" Height	(When Required)			TONAL
		Door Hinge Openin		ng Size	Non-Standard Viewport Location**			Union Made	
Arch. / Eng.:					EDR:		ECN:	Job:	
Contractor:									
Pr	Project:				Date:		DWN:	DWG:	

\*\* See Note 5 on Page 1 for details.

