STANDARD CONSTRUCTION

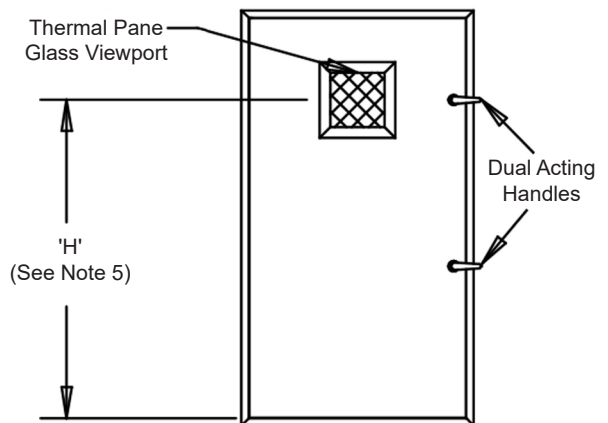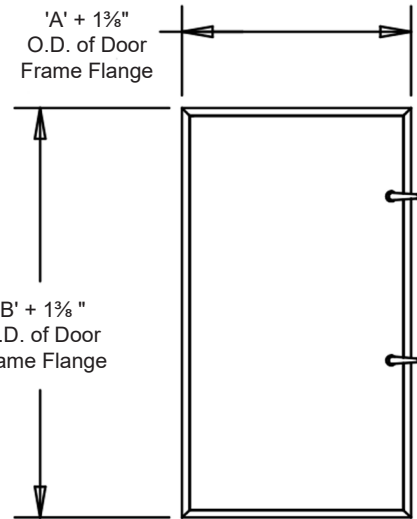**FLANGED FRAME:** .081" thk. (nominal) extruded aluminum, 6063-T52/T6 alloy.
DOOR FRAME: .081" thk. (nominal) extruded aluminum, 6063-T52/T6 alloy.
DOOR PANELS: 20 GA. galvanized steel.
INSULATION: 2.25 lb. density polyurethane foam.
HANDLES: Dual-acting #310 die cast zinc.
DUAL GASKET: Continuous length extruded foam santoprene.
HINGE: Stainless steel continuous type - in swing.
VIEWPORT GLASS: Single pane, ¼" 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
Handles - Chrome plated
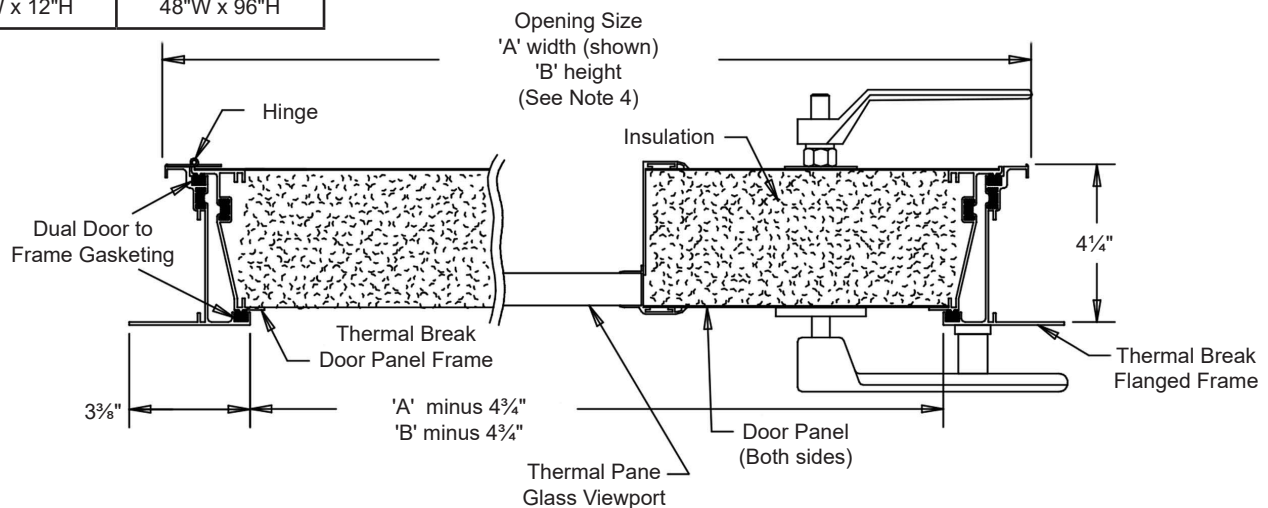Finishes - Baked Enamel, Baked Epoxy, or Prime Coat

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 not available on units under 25" in width when using a #310 handle, 22" in width when using an optional Austin-Romtech handle. 12" x 12" viewports are not available on units under 28" in width when using a #310 handle, 25" in width when using an optional Austin-Romtech handle. For door sizes less than the minimum shown, please consult the factory.

4. Unless otherwise specified, door will be fabricated ¼" under listed size. Dimensional tolerance is ± .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. In-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

'A' + 1⅜"
O.D. of Door Frame Flange

'B' + 1⅜"
O.D. of Door Frame Flange

Thermal Pane Glass Viewport

'H' (See Note 5)

Dual Acting Handles

Opening Size
'A' width (shown)
'B' height
(See Note 4)

Hinge

Insulation

Dual Door to Frame Gasketing

Thermal Break Door Panel Frame

Thermal Break Flanged Frame

4¼"

3⅜"

'A' minus 4¾"
'B' minus 4¾"

Thermal Pane Glass Viewport

Door Panel (Both sides)

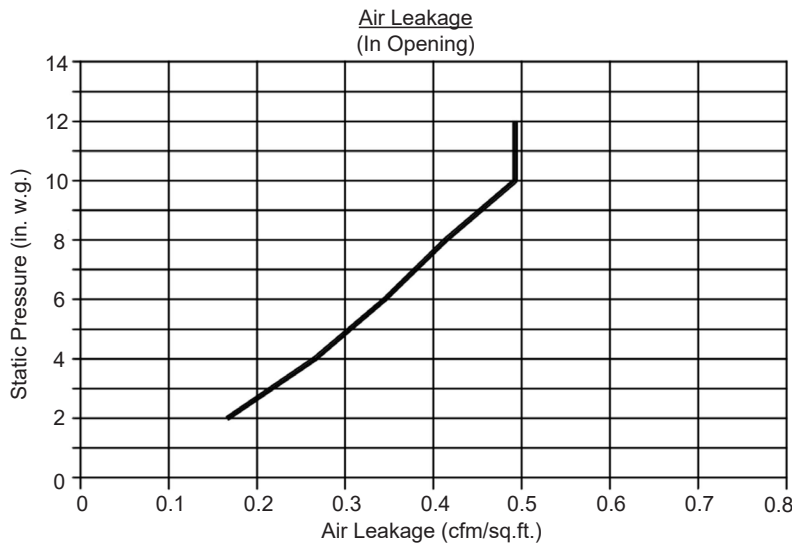For handwritten orders, use the schedule block on page 3.

In the interest of product development, Louvers & Dampers reserves the right to make changes without notice.

www.louvers-dampers.com

Louvers L&D Dampers
A Mestek Company

Model AHF-T4I

Standard Access Door • 4" Deep • In-Swing • Thermal Break • Extruded Aluminum

PERFORMANCE DATA

Air Leakage
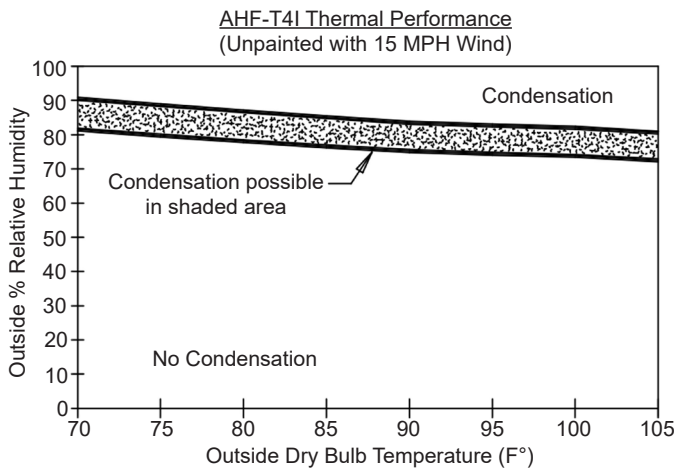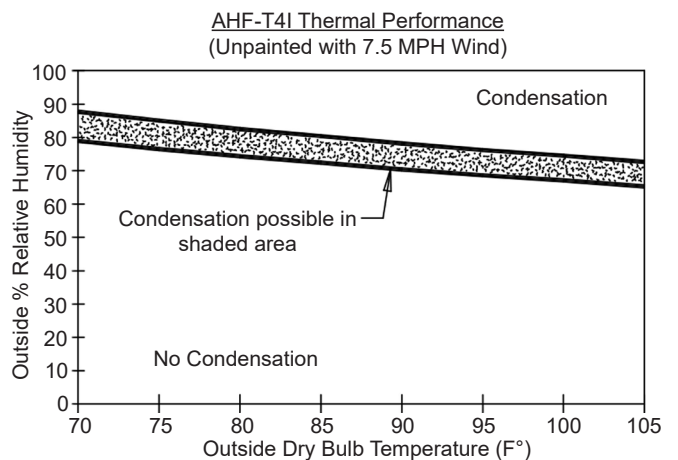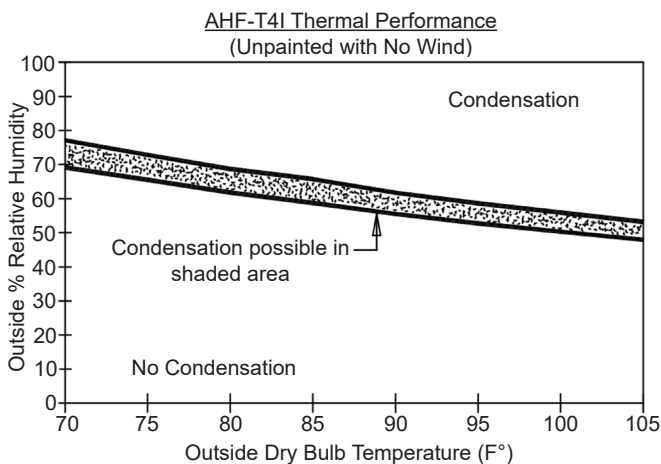(In Opening)

Air leakage chart is based upon independent air leakage tests conducted by Architectural Testing Laboratory. The out-opening model of a 24" x 60" AHF-T4I 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". Louvers & Dampers 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 Model AHF-T4I doors (24" x 60") will allow approximately 0.4 gallons of water penetration (3.5 fl oz./min.).

AHF-T4I Thermal Performance
(Unpainted with No Wind)

AHF-T4I Thermal Performance
(Unpainted with 7.5 MPH Wind)

AHF-T4I Thermal Performance
(Unpainted with 15 MPH Wind)

Thermal performance charts are representative for a maximum door size that is unpainted.

Thermal performance charts above are presented as a guideline only. Charts are based on heat transfer calculations and independent thermal performance tests conducted by Architectural Testing Laboratory. All calculations assume an inside temperature of 50°F and an inside velocity of 900 fpm, for a door size 48" x 96". Tests are in accordance with ASTM C-1363-97 "Steady State Thermal Performance of Building Assemblies by Means of a Hot Box Apparatus".

SCHEDULE BLOCK

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