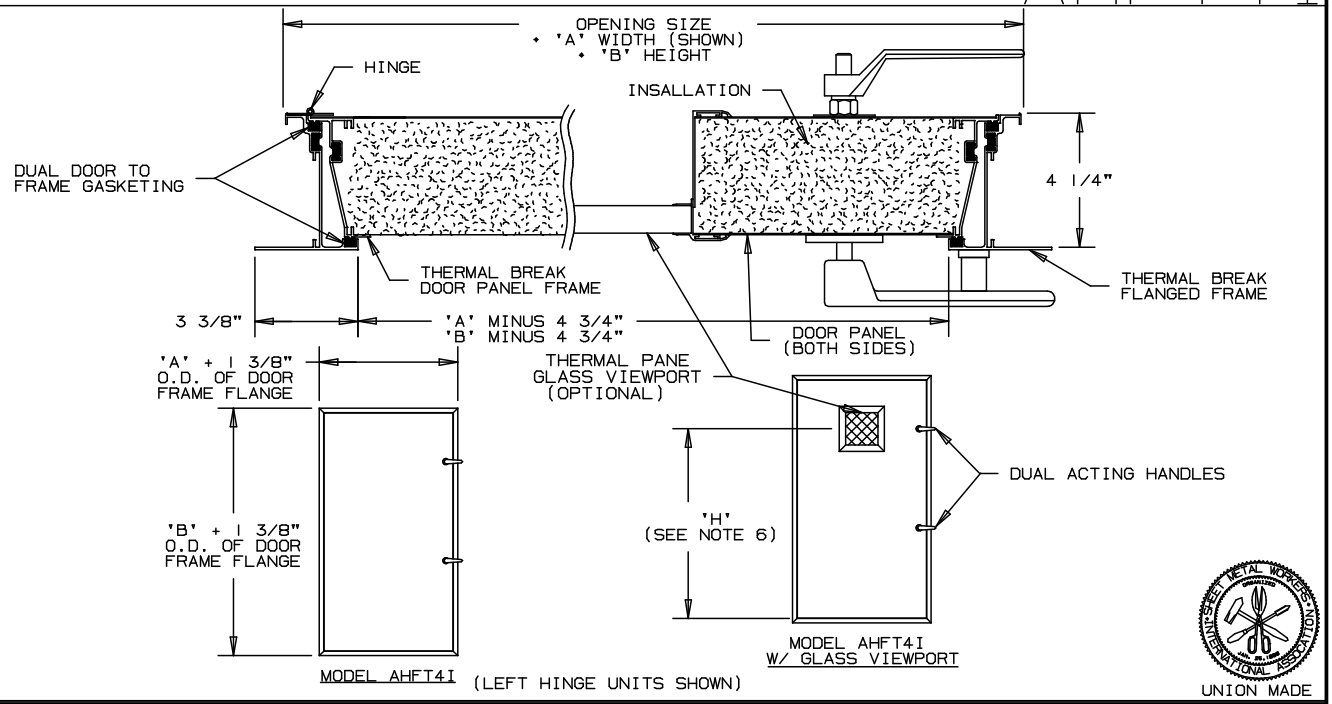
ARROW (IN-SWING ONLY) TYPE

4" THERMAL BREAK ACCESS DOOR AHFT4I



UNION MADE

SCHEDULE

ITEM	QTY	MODEL			OPENING SIZE		NON-STANDARD VIEWPORT LOCATION ••(SEE NOTE 6) 'H' (WHEN REQ'D)		IDENTIFICATION
		AHFT4I	••VIEWPORT L/H	••VIEWPORT R/H	•'A' WIDTH	•'B' HEIGHT			
		AHFT4I							
		AHFT4I							

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 USING A #310 HANDLE, 22" IN WIDTH WHEN USING AN OPTIONAL AUSTIN-ROMTECH HANDLE. 12" x 12" GLASS VIEWPORT NOT AVAILABLE ON UNITS UNDER 28" IN WIDTH USING A #310 HANDLE, 25" IN WIDTH WHEN USING AN OPTIONAL AUSTIN-ROMTECH HANDLE. FOOR DOOR SIZES LESS THAN THE MINIMUM SHOWN, PLEASE CONSULT THE FACTORY.

•4. UNLESS OTHERWISE SPECIFIED , DOOR WILL BE FABRICATED 1/4" UNDER LISTED SIZE. DIMENSIONAL TOLERANCE IS ±.075.

5. PLEASE REFER TO INSTALLATION INSTRUCTIONS FOR MOUNTING OF HANDLES, AND DOOR ASSEMBLY MOUNTING.

••6. 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"

7. MINIMUM SIZE 12" WIDE x 12" HIGH
MAXIMUM SIZE 48" WIDE x 96" HIGH
(WIDTH CANNOT EXCEED 2x HEIGHT)

8. OPTIONAL MATERIALS AVAILABLE:
DOOR PANELS-BONDERIZED STEEL, ALUMINUM OR STAINLESS STEEL
VIEWPORT SIZE: 9"x9" OR 12"x12"
VIEWPORT GLASS-SINGLE PANE: PLEXIGLASS 1/4" WIRE
DOUBLE PANE: 1/4" WIRE
THERMAL PANE: 1/4" WIRE
HANDLES-CHROME PLATED

9. IN-SWING DOORS ARE RECOMMENDED FOR POSITIVE PRESSURES, OUT-SWING DOORS ARE RECOMMENDED FOR NEGATIVE PRESSURES.

SPECIFICATIONS

FLANGED FRAME
.080-6063-T6/T52
EXTRUDED ALUMINUM

DOOR PANEL FRAME
.080-6063-T6/T52
EXTRUDED ALUMINUM

DOOR PANELS
20 GA. GALVANIZED STEEL

HANDLES
DUAL ACTING #310
DIE CAST ZINC

DUAL GASKET
CONTINUOUS LENGTH EXTRUDED FOAMED SANTOPRENE

HINGE
STAINLESS STEEL CONTINUOUS TYPE

INSULATION
2.25 LB. DENSITY
POLYURETHANE FOAM

FINISH
MILL

PROJECT/LOCATION

ARCHITECT/ENGINEER

CONTRACTOR

SALES ENGINEER

ARROW UNITED INDUSTRIES
A DIVISION OF MESTEK, INC.
314 RIVERSIDE DRIVE
WYALUSING, PA 18853
TEL:(570)746-1888
FAX:(570)746-9286

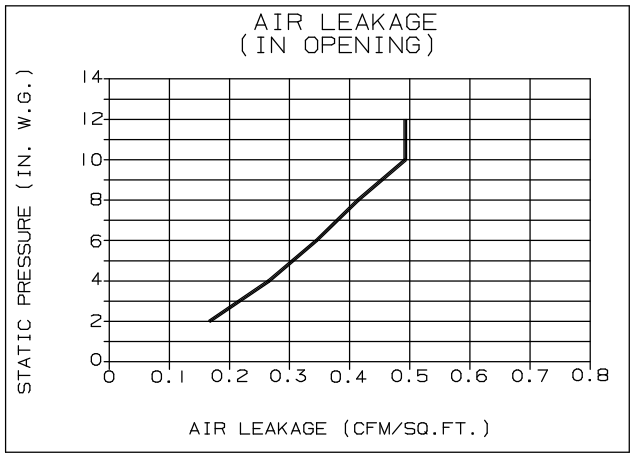
ACCESS DOOR-MODEL AHFT4I

DRAWN BY LCC

DATE 2/20/02

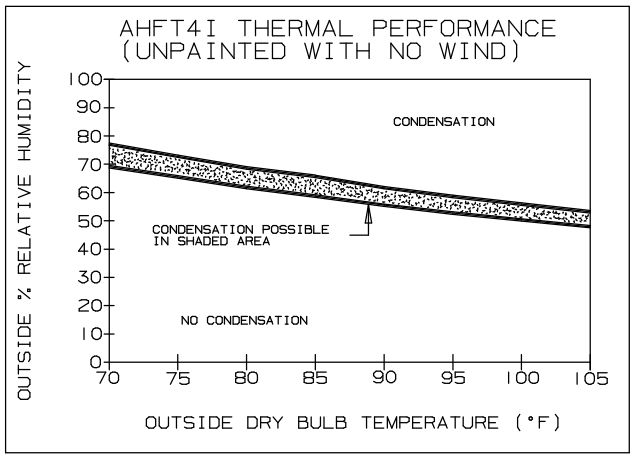
DRAWING NO. 9-303

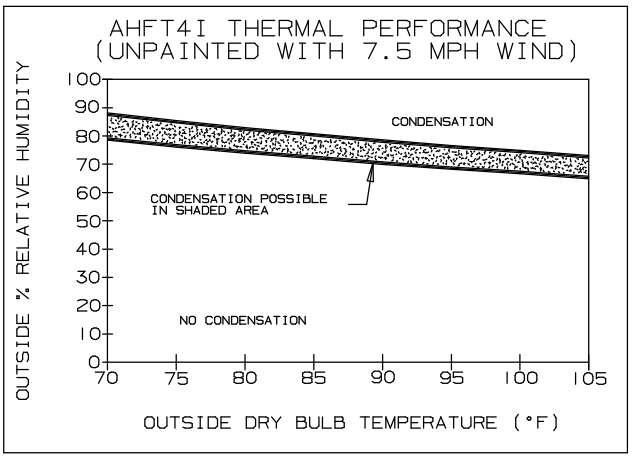
AHFT4I PERFORMANCE CHARACTERISTICS

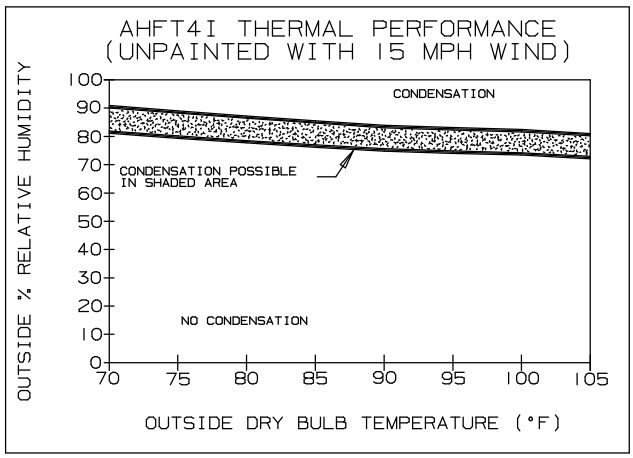


AIR LEAKAGE CHART IS BASED UPON INDEPENDENT AIR LEAKAGE TESTS CONDUCTED BY ARCHITECTURAL TESTING LABORATORY. THE IN-OPENING MODEL OF A 24" x 60" AHFT4I WAS TESTED. TESTS WERE IN ACCORDANCE WITH ASTM E 283-91 "DETERMINING THE RATE OF AIR LEAKAGE THROUGH EXTERIOR WINDOWS, CURTAIN WALLS, AND DOORS UNDER SPECIFIED PRESSURE DIFFERENCES ACROSS THE SPECIMAN". ARROW UNITED INDUSTRIES RECOMMENDS USING OUT 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 DOORS BY A UNIFORM STATIC AIR PRESSURE DIFFERENCE". THE TESTS CONSISTED OF MOUNTING DOORS UNDER A PRESSURE DIFFERENCE .55" TO 2" WG AND SUBJECTING THEM TO A UNIFORM RAINFALL RATE OF 8 INCHES/HOUR. OVER THE 15 MINUTE PERIOD MODEL AHFT4I DOORS (24" x 60") WILL ALLOW APPROXIMATELY 0.4 GALLONS OF WATER PENETRATION (3.5 FL. OZ./MIN.).



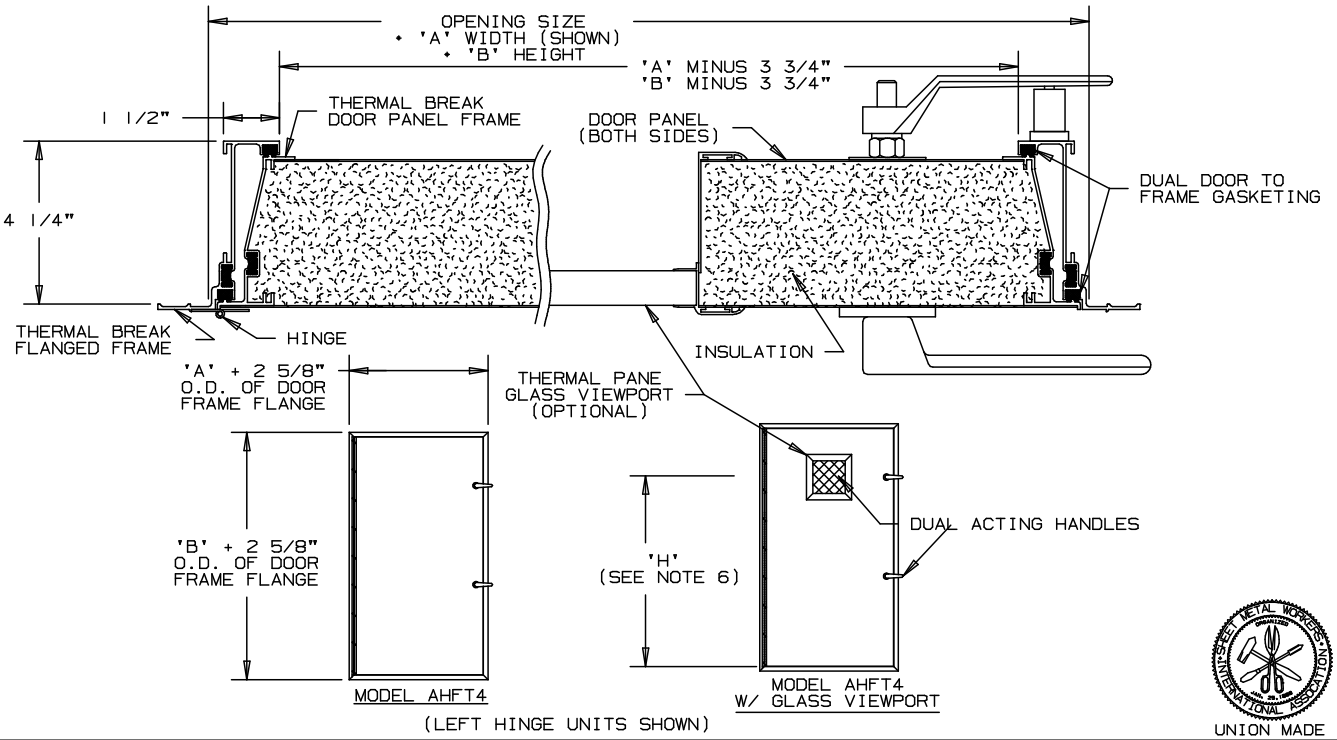




THERMAL PERFORMANCE CHARTS ARE REPRESENTATIVE FOR A MAXIMUM DOOR SIZE THAT IS UNPAINTED.

THERMAL PREFORMANCE CHARTS ABOVE ARE PRESENTED AS A GUIDELINE ONLY. CHARTS ARE BASED ON HEAT TRANSFER CALCULATIONS AND INDEPENDANT 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"x96". TESTS ARE IN ACCORDANCE WITH ASTM C-1363-97 "STEADY STATE THERMAL PERFORMANCE OF BUILDING ASSEMBLIES BY MEANS OF A HOT BOX APPARATUS".

ARROW (OUT-SWING ONLY) TYPE
4" THERMAL BREAK ACCESS DOOR AHFT4



(LEFT HINGE UNITS SHOWN)

UNION MADE

SCHEDULE

ITEM	QTY	MODEL			OPENING SIZE		NON-STANDARD VIEWPORT LOCATION ••(SEE NOTE 6) 'H' (WHEN REQ'D)		IDENTIFICATION
		AHFT4	••VIEWPORT L/H	••VIEWPORT R/H	•'A' WIDTH	•'B' HEIGHT			
		AHFT4							
		AHFT4							

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 23" IN WIDTH USING A #310 HANDLE, 19" IN WIDTH WHEN USING AN OPTIONAL AUSTIN-ROMTECH HANDLE. 12" x 12" GLASS VIEWPORT NOT AVAILABLE ON UNITS UNDER 26" IN WIDTH USING A #310 HANDLE, 22" IN WIDTH WHEN USING AN OPTIONAL AUSTIN-ROMTECH HANDLE. FOOR DOOR SIZES LESS THAN THE MINIMUM SHOWN, PLEASE CONSULT THE FACTORY.

•4. UNLESS OTHERWISE SPECIFIED , DOOR WILL BE FABRICATED 1/4" UNDER LISTED SIZE. DIMENSIONAL TOLERANCE IS ±.075.

5. PLEASE REFER TO INSTALLATION INSTRUCTIONS FOR MOUNTING OF HANDLES, AND DOOR ASSEMBLY MOUNTING.

••6. 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"

7. MINIMUM SIZE 12" WIDE x 12" HIGH
MAXIMUM SIZE 48" WIDE x 96" HIGH
(WIDTH CANNOT EXCEED 2x HEIGHT)

8. OPTIONAL MATERIALS AVAILABLE:
DOOR PANELS-BONDERIZED STEEL, ALUMINUM OR STAINLESS STEEL
VIEWPORT SIZE: 9"x9" OR 12"x12"
VIEWPORT GLASS-SINGLE PANE: PLEXIGLASS 1/4" WIRE
DOUBLE PANE: 1/4" WIRE
THERMAL PANE: 1/4" WIRE
HANDLES-CHROME PLATED

9. IN-SWING DOORS ARE RECOMMENDED FOR POSITIVE PRESSURES, OUT-SWING DOORS ARE RECOMMENDED FOR NEGATIVE PRESSURES.

SPECIFICATIONS

FLANGED FRAME
.080-6063-T6/T52
EXTRUDED ALUMINUM

DOOR PANEL FRAME
.080-6063-T6/T52
EXTRUDED ALUMINUM

DOOR PANELS
20 GA. GALVANIZED STEEL

HANDLES
DUAL ACTING #310
DIE CAST ZINC

DUAL GASKET
CONTINUOUS LENGTH EXTRUDED FOAMED SANTOPRENE

HINGE
STAINLESS STEEL CONTINUOUS TYPE - OUT SWING

INSULATION
2.25 LB. DENSITY
POLYURETHANE FOAM

FINISH
MILL

PROJECT/LOCATION

ARCHITECT/ENGINEER

CONTRACTOR

SALES ENGINEER

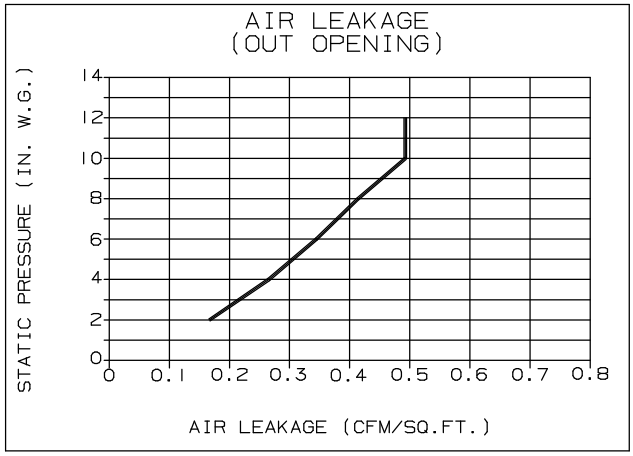
ARROW UNITED INDUSTRIES
A DIVISION OF MESTEK, INC.
314 RIVERSIDE DRIVE
WYALUSING, PA 18853
TEL:(570)746-1888
FAX:(570)746-9286

ACCESS DOOR-MODEL AHFT4

DRAWN BY LCC
DATE 2/19/02

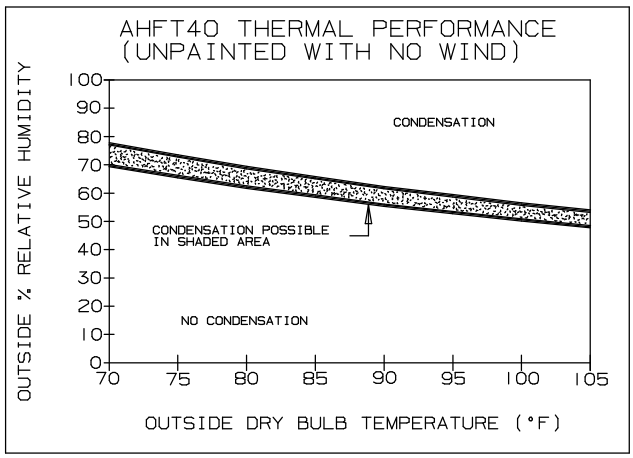
DRAWING NO. 9-302

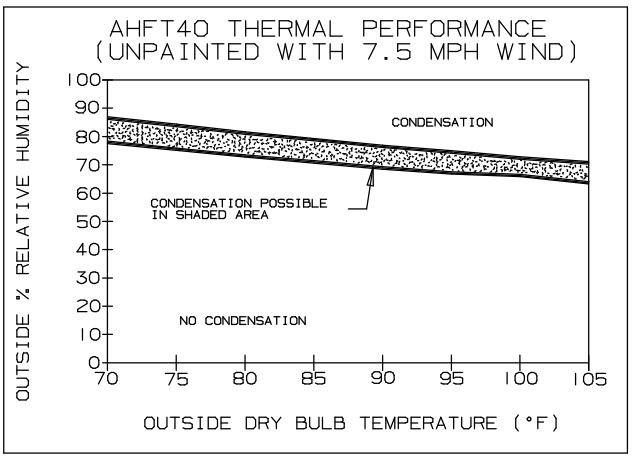
AHFT40 PERFORMANCE CHARACTERISTICS

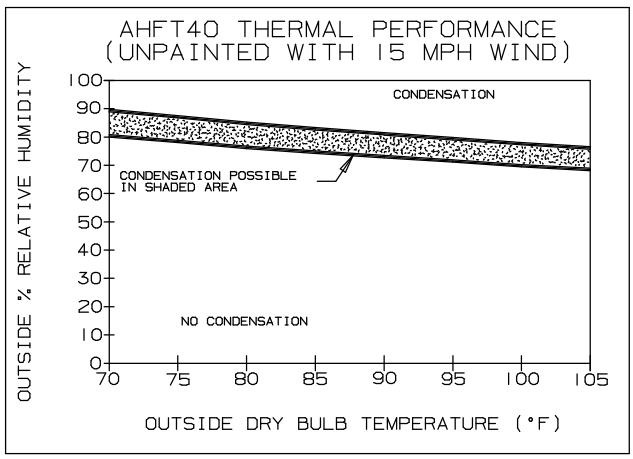


AIR LEAKAGE CHART IS BASED UPON INDEPENDENT AIR LEAKAGE TESTS CONDUCTED BY ARCHITECTURAL TESTING LABORATORY. THE OUT-OPENING MODEL OF A 24" x 60" AHFT40 WAS TESTED. TESTS WERE IN ACCORDANCE WITH ASTM E 283-91 "DETERMINING THE RATE OF AIR LEAKAGE THROUGH EXTERIOR WINDOWS, CURTAIN WALLS, AND DOORS UNDER SPECIFIED PRESSURE DIFFERENCES ACROSS THE SPECIMAN". ARROW UNITED INDUSTRIES RECOMMENDS USING OUT 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 DOORS BY A UNIFORM STATIC AIR PRESSURE DIFFERENCE". THE TESTS CONSISTED OF MOUNTING DOORS UNDER A PRESSURE DIFFERENCE .55" TO 2" WG AND SUBJECTING THEM TO A UNIFORM RAINFALL RATE OF 8 INCHES/HOUR. OVER THE 15 MINUTE PERIOD MODEL AHFT40 DOORS (24" x 60") WILL ALLOW APPROXIMATELY 0.4 GALLONS OF WATER PENETRATION (3.5 FL. OZ./MIN.).







THERMAL PERFORMANCE CHARTS ARE REPRESENTATIVE FOR A MAXIMUM DOOR SIZE THAT IS UNPAINTED.

THERMAL PREFORMANCE CHARTS ABOVE ARE PRESENTED AS A GUIDELINE ONLY. CHARTS ARE BASED ON HEAT TRANSFER CALCULATIONS AND INDEPENDANT 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"x96". TESTS ARE IN ACCORDANCE WITH ASTM C-1363-97 "STEADY STATE THERMAL PERFORMANCE OF BUILDING ASSEMBLIES BY MEANS OF A HOT BOX APPARATUS".