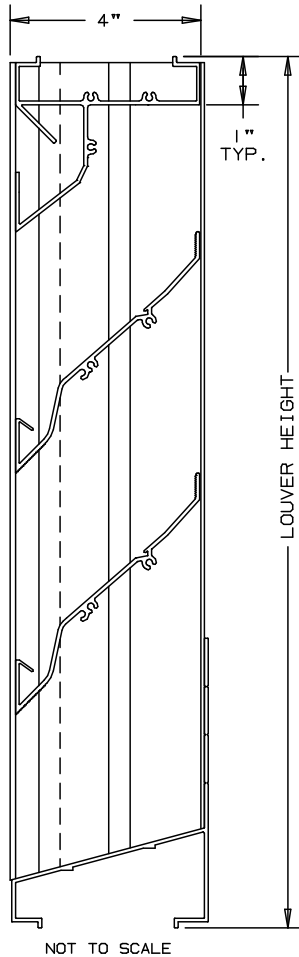


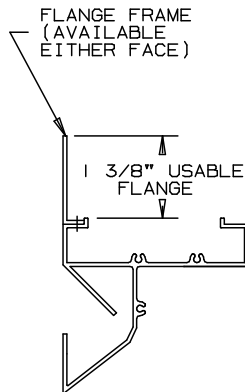
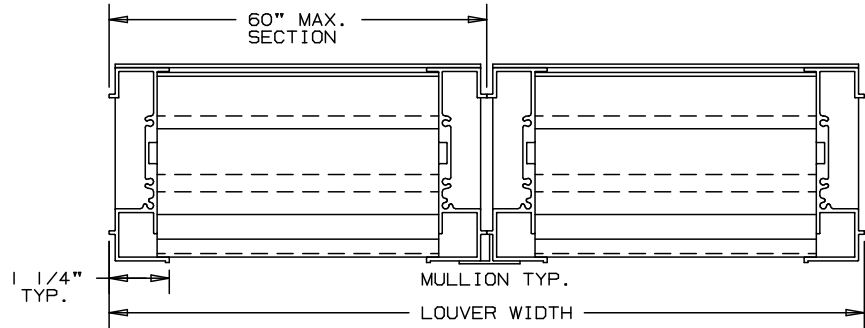
ARROW EXTRUDED ALUMINUM LOUVERS 4" DEEP

TYPE EA-445-D

45° DRAIN BLADE-STATIONARY-CHANNEL TYPE



NOT TO SCALE



FLANGE FRAME
OPTION

SPECIFICATIONS

MATERIAL: EXTRUDED ALUMINUM 6063-T6/T52 ALLOY
.081" THICKNESS (NOMINAL).

FACE OF LOUVER: FULL WIDTH SILL WITH HEAD AND BLADES
CONTAINED WITHIN JAMBS. APPROXIMATE
BLADE CENTERS 5".

SCREEN: (WHEN INDICATED, IN A REMOVABLE FRAME)
BIRD SCREEN - 1/2" FLATTENED ALUMINUM, .051" THK.
OR - 1/2" SQ. MESH INTERMEDIATE DOUBLE-
CRIMPED ALUMINUM WIRE, .063" DIA.
OR - 18/16 MESH, .011" DIA. ALUMINUM
WIRE INSECT SCREEN.

FINISH: _____

MINIMUM PANEL SIZE: 12" x 12"
MAXIMUM SINGLE PANEL SIZE: 40 SQ. FEET SECTION SIZE.
LOUVER LARGER THAN THE MAXIMUM FACTORY
ASSEMBLED SIZE WILL REQUIRE FIELD ASSEMBLY
OF SMALLER LOUVER SECTIONS.

LOUVER PERFORMANCE STATEMENT

LOUVER MODEL EA-445-D SHALL BE FABRICATED TO PROVIDE
A MINIMUM OF (51%), 8.16 SQUARE FEET OF FREE AREA
FOR A 48" x 48" SIZE LOUVER AND BEAR THE AMCA
CERTIFIED RATINGS PROGRAM SEAL FOR AIR PERFORMANCE
AND WATER PENETRATION. THE RATING SHALL SHOW A
BEGINNING POINT OF WATER PENETRATION AT .01 OUNCES
PER SQUARE FOOT OF FREE AREA AT A FREE AREA VELOCITY
OF 1021 FEET PER MINUTE, (8331) CUBIC FEET PER
MINUTE, WITH .19 INCHES WATER GAUGE PRESSURE DROP
AT 1000 FPM AIR INTAKE.

FOR CERTIFIED RATINGS
AUTHORIZED BY AMCA
-SEE REVERSE SIDE

NOMINAL DEDUCTIONS WILL BE MADE TO OPENING SIZES GIVEN.

ITEM	QTY.	WIDTH	HEIGHT	WIDTH	HEIGHT	MULL	TYPE	LOC		
		OPENING SIZE		LOUVER SIZE						



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

AGENT: _____

ARCH./ENG.:
CONTR.:
PROJECT:
EDR: ECN: JOB:
DATE: DWN.: DWG.:

LOUVER MODEL EA-445-D

45° DRAIN BLADE

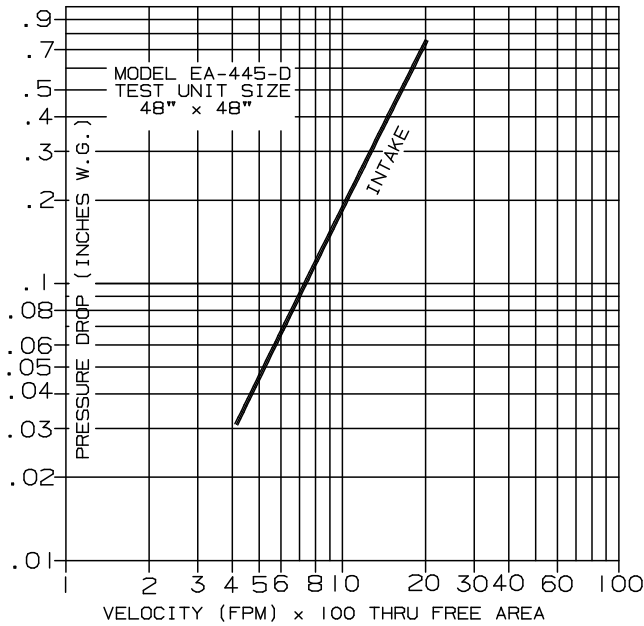
EXTRUDED ALUMINUM - STATIONARY

PERFORMANCE DATA

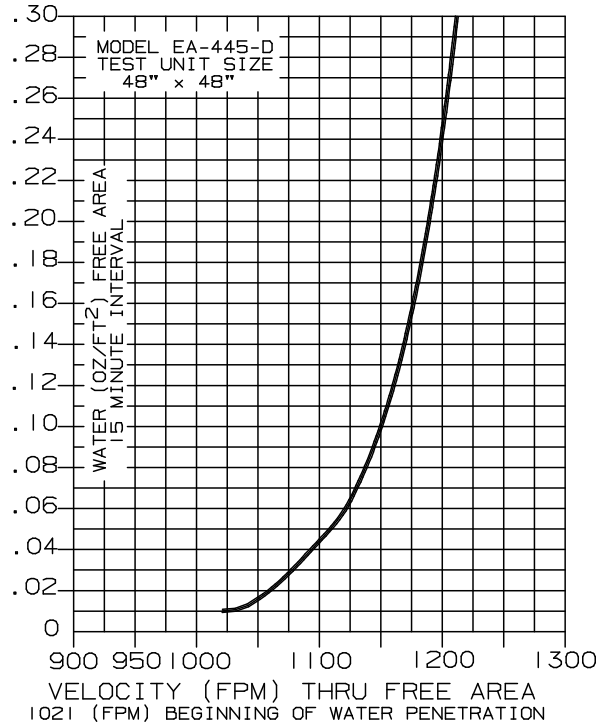
EXCELLENT WATER PROTECTION WITH LITTLE PRESSURE LOSS.
 TESTS OF A 48" x 48" SAMPLE BY AN AMCA ACCREDITED LABORATORY
 ACCORDING TO AMCA STANDARD 500 SHOWS LOW WATER PENETRATION.
 TESTS SHOW LESS THAN .01 OZ. PER SQ. FT. WATER PENETRATION AT
 1000 FPM (FREE AREA VELOCITY) WITH LESS THAN .19" W.G.
 PRESSURE DROP AT 1000 FPM (INTAKE).

RATINGS DO NOT INCLUDE EFFECTS OF BIRDSCREEN.

PRESSURE DROP



WATER PENETRATION



FREE AREA

HEIGHT	FREE AREA (SQ. FT.)									
	WIDTH									
	12"	24"	36"	48"	60"	72"	84"	96"	108"	120"
12"	.25	.56	.87	1.19	1.50	1.75	2.06	2.37	2.68	3.00
24"	.74	1.68	2.62	3.55	4.49	5.23	6.17	7.11	8.05	8.98
36"	1.20	2.72	4.24	5.75	7.27	8.47	9.99	11.51	13.03	14.54
48"	1.67	3.79	5.90	8.16	10.12	11.80	13.91	16.02	18.13	20.25
60"	2.15	4.87	7.59	10.31	13.03	15.18	17.90	20.62	23.34	26.06
72"	2.61	5.92	9.22	12.52	15.83	18.44	21.75	25.05	28.35	31.65
84"	3.11	7.04	10.97	14.89	18.82	21.93	25.86	29.79	33.71	37.64
96"	3.57	8.08	12.58	17.09	21.60	25.17	29.68	34.18	38.69	43.20
108"	4.04	9.14	14.25	19.35	24.45	28.49	33.60	38.70	43.80	48.90
120"	4.52	10.23	15.94	21.65	27.36	31.88	37.59	43.30	49.01	54.71



ARROW UNITED CERTIFIES THAT THE MODEL EA-445-D SHOWN HEREIN IS LICENSED TO BEAR THE AMCA SEAL. THE RATINGS SHOWN ARE BASED ON TESTS AND PROCEDURES PERFORMED IN ACCORDANCE WITH AMCA PUBLICATION 511 AND COMPLY WITH THE REQUIREMENTS OF THE AMCA CERTIFIED RATINGS PROGRAM. THE AMCA CERTIFIED RATINGS SEAL APPLIES TO AIR PERFORMANCE AND WATER PENETRATION RATINGS ONLY.