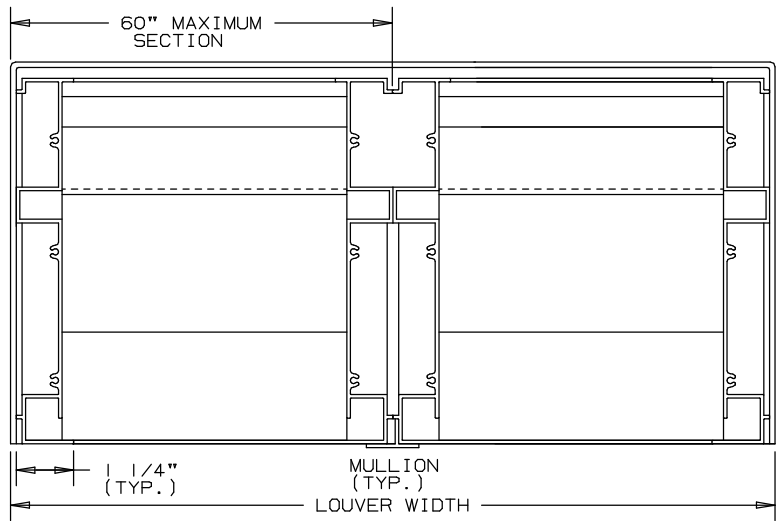
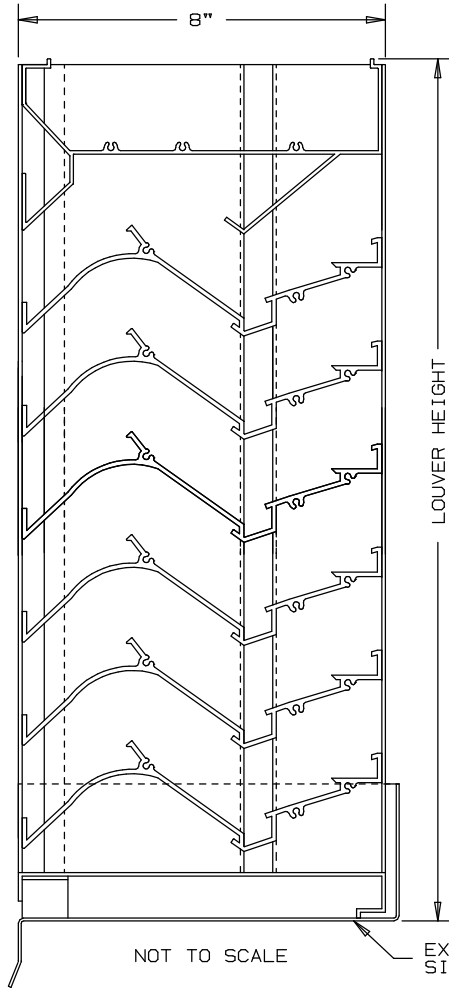


ARROW TYPE

EXTRUDED ALUMINUM LOUVERS EA-825-D

8" DEEP - WIND DRIVEN RAIN RESISTANT

CHEVRON DRAIN BLADE - STATIONARY



SPECIFICATIONS

MATERIAL: EXTRUDED ALUMINUM 6063-T6/T52 ALLOY
 .081" THICK NOMINAL.
 FACE OF LOUVER: HEAD AND BLADES CONTAINED WITHIN THE JAMBS.
 SILL CONTAINS JAMBS.
 APPROXIMATE BLADE CENTERS 2 1/4".
 SCREENS: 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.

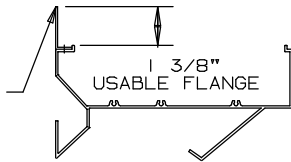
FINISH:

LOUVER SIZES: 12" x 12" MINIMUM PANEL SIZE.
 30 SQUARE FEET IS THE MAXIMUM SECTION SIZE.
 LOUVERS LARGER THAN THE MAXIMUM FACTORY ASSEMBLED SIZE WILL REQUIRE FIELD ASSEMBLY OF SMALLER LOUVER SECTIONS

LOUVER PERFORMANCE STATEMENT

LOUVER MODEL EA-825-D SHALL BE FABRICATED TO PROVIDE A MINIMUM FREE AREA (56%), 9.01 SQUARE FEET OF FREE AREA FOR A 48"x48" SIZE LOUVER. IN ADDITION, THIS LOUVER MODEL IS ALSO TESTED TO THE AMCA 500-L WIND DRIVEN RAIN TEST STANDARD, WHERE THE LOUVER IS SUBJECTED TO SIMULATED WIND DRIVEN RAIN. THE RESULT OF THIS TEST SHALL SHOW A CLASS "A" RATING HAVING (99%) EFFICIENCY AT 3 INCHES OF RAINFALL AT AN INTAKE VELOCITY OF 888 FPM (8000 CFM) AT A WIND SPEED OF 29 MPH.

FLANGE FRAME AVAILABLE ON FRONT FACE, (3) SIDES ONLY, NOT ON SILL

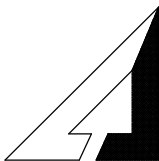


FLANGE FRAME AVAILABLE

FOR PERFORMANCE DATA - SEE REVERSE SIDE

NOMINAL DEDUCTIONS WILL BE MADE TO THE OPENING SIZE 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.:

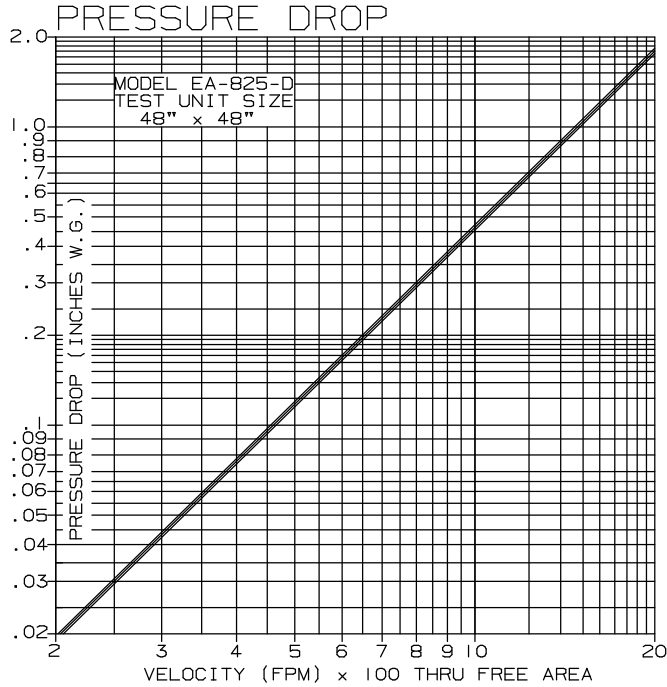
LOUVER MODEL EA-825-D

WIND DRIVEN RAIN RESISTANT LOUVER

EXTRUDED ALUMINUM - STATIONARY

PERFORMANCE DATA

TESTS OF A 48" x 48" ACCORDING TO AMCA STANDARD 500-L SHOWS
 LESS THAN .50 INCHES WATER GAUGE PRESSURE DROP AT 1000 FPM (INTAKE).
 RATINGS DO NOT INCLUDE EFFECTS OF BIRDSCREEN.



WIND DRIVEN RAIN TEST BASED ON A LOUVER HAVING A 39" x 39" CORE AREA

CLASS	EFFECTIVENESS (%)	MAXIMUM ALLOWED PENETRATION OF SIMULATED RAIN (GAL/H/FT ²)	FREE AREA VELOCITY	CFM (48" x 48")
A	99	3" RAINFALL AND 29 MPH WIND VELOCITY	888 FPM	8000 CFM

FREE AREA

		FREE AREA (SQ. FT.)								
		WIDTH								
		12"	18"	24"	30"	36"	42"	48"	54"	60"
HEIGHT	12"	.30	.49	.68	.87	1.06	1.25	1.44	1.63	1.82
	24"	.83	1.36	1.89	2.42	2.95	3.48	4.01	4.54	5.07
	36"	1.37	2.24	3.12	3.99	4.86	5.74	6.61	7.49	8.36
	48"	1.86	3.05	4.24	5.43	6.62	7.82	9.01	10.20	11.39
	60"	2.39	3.92	5.45	6.98	8.52	10.05	11.58	13.11	14.64
	72"	2.93	4.80	6.68	8.55	10.43	12.30	14.18	16.05	17.92
	84"	3.42	5.62	7.81	10.00	12.19	14.38	16.57	18.76	20.95
	96"	3.96	6.49	9.02	11.55	14.08	16.61	19.14	21.67	24.20