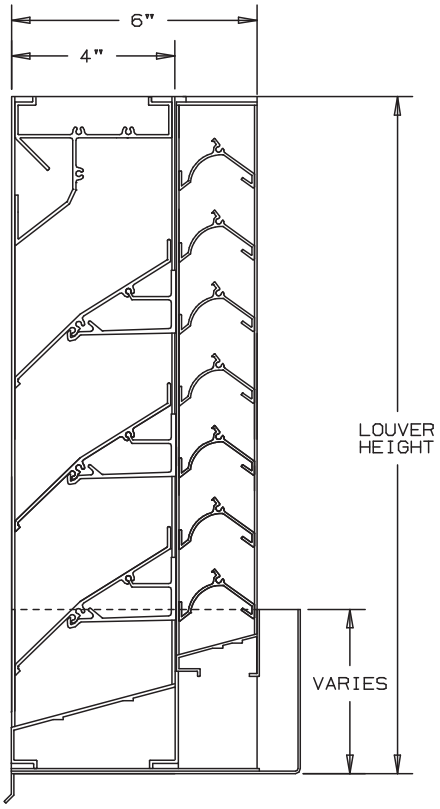
Anemostat®
AIR DISTRIBUTION

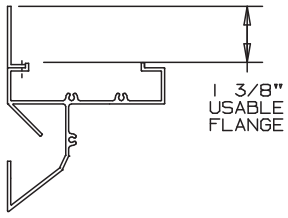
MODEL SL620

EXTRUDED ALUMINUM LOUVERS
6" DEEP - COMBINATION STATIONARY
HORIZONTAL CONTINUOUS LINE

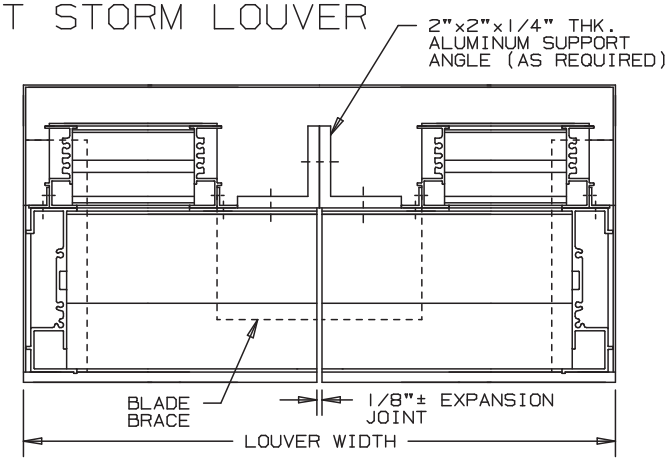
RAIN RESISTANT STORM LOUVER



NOT TO SCALE



FLANGE FRAME OPTION



SPECIFICATIONS

MATERIAL: EXTRUDED ALUMINUM 6063-T6/T52 ALLOY
FRAMES: EXTERIOR FRAME IS 4" DEEP, .081" THICK NOMINAL. INTERIOR FRAME IS 2" DEEP, .063" THICK NOMINAL.
BLADES: SIGHT PROOF DOUBLE BLADE WITH EXTERIOR BLADE AT 37° ANGLE, 3 1/2" CENTERS. INTERIOR BLADE IS HORIZONTAL CHEVRON ON 1 3/4" CENTERS.
FACE OF LOUVER: FULL WIDTH SILL WITH HEAD AND BLADES CONTAINED IN JAMBS.
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.
DRAIN SILL PAN: .060" THICK FORMED ALUMINUM.

FINISH: _____

LOUVERS SHALL WITHSTAND A WINDLOAD OF 20 PSF. CONSULT THE FACTORY TO SUBSTITUTE OTHER LOAD REQUIREMENTS.

LOUVER PERFORMANCE STATEMENT

LOUVER MODEL SL620 OFFERS ARCHITECTURAL CONTINUOUS LINE APPEARANCE. TESTED TO THE AMCA 500-L-99 WIND DRIVEN RAIN TEST STANDARD, PROVIDES 98% EFFICIENCY REJECTING A SIMULATED 3 INCH RAINFALL AT 29 MPH AT A FREE AREA VELOCITY OF 578 FPM WITH AN INTAKE PRESSURE DROP OF 0.05 INCHES W.G.

THE MODEL SL620, 6" DEEP COMBINATION STATIONARY LOUVER MAY BE USED AS A STORM RESISTANT LOUVER, OR REMOVE THE REAR LOUVER PANEL AND FUNCTION AS A TYPICAL STANDARD 4 INCH DEEP LOUVER, OR INSTALL BLANK-OFF PANELS TO CREATE INACTIVE AREAS WHILE MAINTAINING A CONTINUOUS LINE ARCHITECTURAL APPEARANCE IN THE SAME OPENING.

NOMINAL DEDUCTIONS WILL BE MADE TO THE OPENING SIZE GIVEN.

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

UNION MADE

Anemostat Air Distribution
1220 E. Watson Center Road
Carson, CA 90745
310-835-7500 • air@anemostat.com
www.anemostat-hvac.com

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DATE: DWN.: DWG.:

1055-JANUARY-2006

MODEL SL620

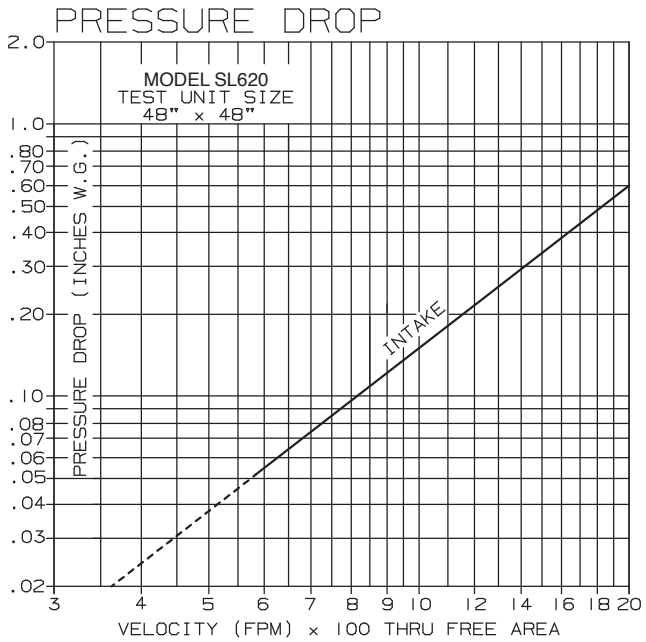
WIND DRIVEN RAIN RESISTANT LOUVER

EXTRUDED ALUMINUM - STATIONARY

PERFORMANCE DATA

TESTS OF A 48"x48" ACCORDING TO AMCA STANDARD 500-L-99 SHOWS LESS THAN .160 INCHES WATER GAUGE PRESSURE DROP AT 1000 FPM (INTAKE).

RATINGS DO NOT INCLUDE EFFECTS OF BIRDSCREEN.



FREE AREA

FREE AREA (SQ. FT.)									
		WIDTH							
		12"	18"	24"	30"	36"	42"	48"	54"	60"
HEIGHT	12"	.17	.29	.40	.51	.62	.73	.84	.95	1.06
	24"	.58	.96	1.33	1.70	2.08	2.45	2.82	3.20	3.57
	36"	.99	1.63	2.26	2.90	3.54	4.17	4.81	5.44	6.08
	48"	1.40	2.30	3.20	4.10	4.99	5.89	7.07	7.69	8.58
	60"	1.81	2.97	4.13	5.29	6.45	7.61	8.77	9.93	11.09
	72"	2.22	3.64	5.07	6.49	7.91	9.33	10.75	12.17	13.59
	84"	2.63	4.32	6.00	7.68	9.37	11.05	12.73	14.42	16.10
	96"	2.98	4.89	6.80	8.71	10.62	12.52	14.43	16.34	18.25

MODEL SL620

PERFORMANCE DATA

WIND DRIVEN RAINWATER PENETRATION TEST CONDUCTED TO AMCA STANDARD 500-L-99

TEST SIZE 1M x 1M (39.37" x 39.37") CORE AREA, NOMINAL LOUVER FREE AREA 5.64 SQUARE FEET

CORE VENTILATION (M/S)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	RAINFALL/MPH
FPM	0	136	187	303	379	475	577	686	3 IN/HR RAINFALL AND 29 MPH VELOCITY
FREE AREA VENTILATION (CFM)	0	1469	2013	3259	4080	5110	6215	7382	
FREE AREA VELOCITY (FPM)	0	260	357	578	723	906	1102	1309	
EFFECTIVE RATING CLASS	A	A	B	B	B	B	C	C	

DISCHARGE COEFFICIENT
INTAKE Cd = 0.33 (CLASS 2)

WIND DRIVEN RAIN PENETRATION CLASSIFICATIONS	
CLASS	EFFECTIVENESS %
A	1 TO 0.99%
B	0.989 TO 0.95%
C	0.949 TO 0.80%
D	BELOW 0.80%

DISCHARGE LOSS COEFFICIENT CLASSIFICATIONS	
CLASS	DISCHARGE LOSS COEFFICIENT
1	0.4 AND ABOVE
2	0.3 TO 0.399
3	0.2 TO 0.299
4	0.199 AND BELOW

CLASS 1 LOSS COEFFICIENT HAS THE LEAST RESISTANCE TO AIRFLOW.

1. CORE AREA IS THE FRONT OPENING OF A LOUVER ASSEMBLY WITH THE BLADES REMOVED.
2. CORE AREA VELOCITY IS THE AIRFLOW RATE THROUGH THE LOUVER DIVIDED BY THE CORE AREA (39.37"x39.37")
3. FREE AREA IS THE MINIMUM AREA THROUGH WHICH AIR CAN PASS. IT IS DETERMINED BY MULTIPLYING THE SUM OF THE MINIMUM DISTANCES BETWEEN INTERMEDIATE BLADES, TOP BLADE AND HEAD, BOTTOM BLADE AND SILL, BY THE MINIMUM DISTANCE BETWEEN JAMBS.
4. DISCHARGE LOSS COEFFICIENT IS CALCULATED BY DIVIDING A LOUVER ACTUAL AIRFLOW RATE VS. A THEORETICAL AIRFLOW FOR THE OPENING. PROVIDING AN INDICATION OF THE LOUVER AIR FLOW CHARACTERISTICS.

AIR PERFORMANCE

WIND DRIVEN RAIN

Anemostat certifies that the performance data shown has been determined by test in accordance with applicable AMCA standards.

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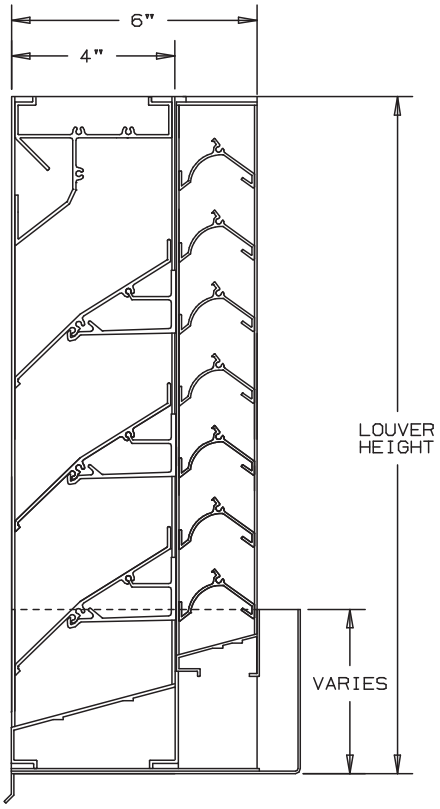

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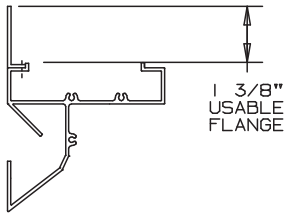

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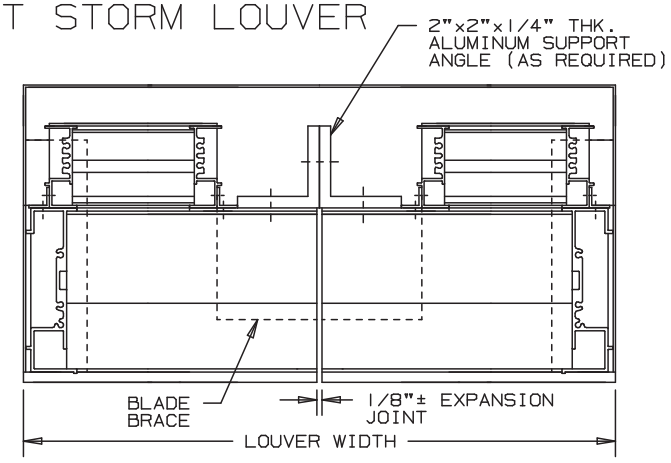

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