

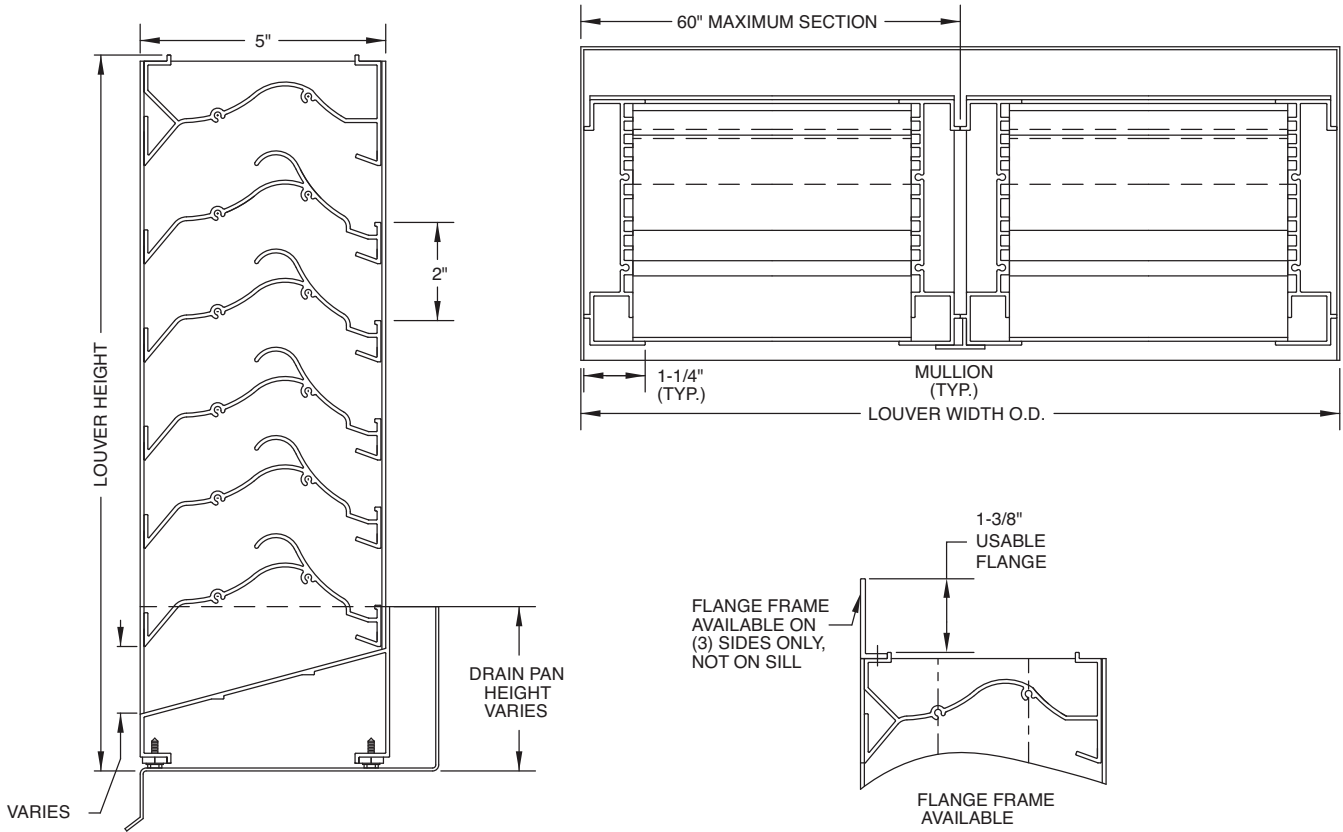
PRODUCT FEATURES

- Minimum Panel Size:
12" x 12"
- Maximum Single Panel Size:
40 square feet is the maximum section size. Louvers larger than the maximum factory assembled size will require field assembly of smaller louver sections

CONSTRUCTION FEATURES

- Material:**
Extruded Aluminum 6063-T6/T52 Alloy
- Frames:** .081" Thick Nominal
- Blades:** .081" Thick Nominal
- Face Of Louver:** Head and Blades contained within jambs, sill contains jambs, Approximate blade centers 2".
- Screen:** (Removable Frame)
- Bird Screen - 1/2" Flattened Aluminum, .051" Thk.
 - 1/2" Sq. Mesh Intermediate Double-Crimped Aluminum Wire, .063" Dia.
 - 18/16 Mesh, .011" Dia. Aluminum Wire Insect Screen.

Finish: _____



All dimensions are in inches.

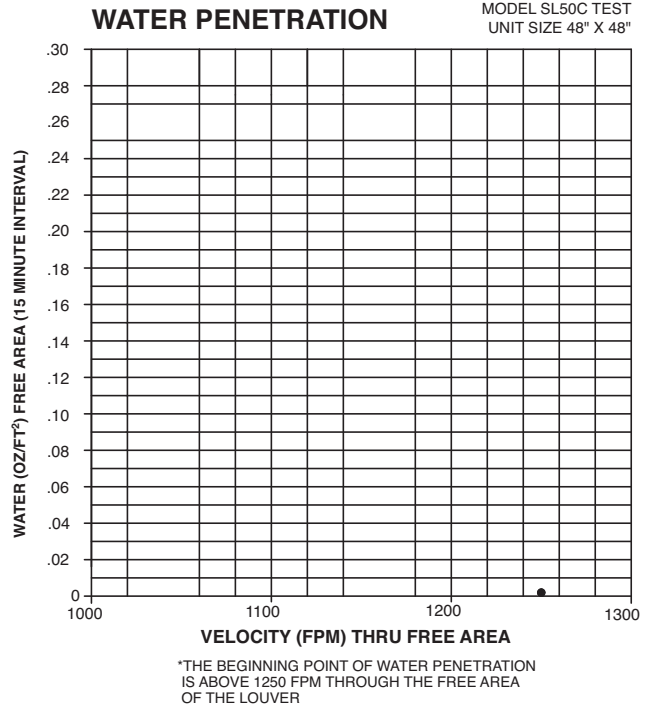
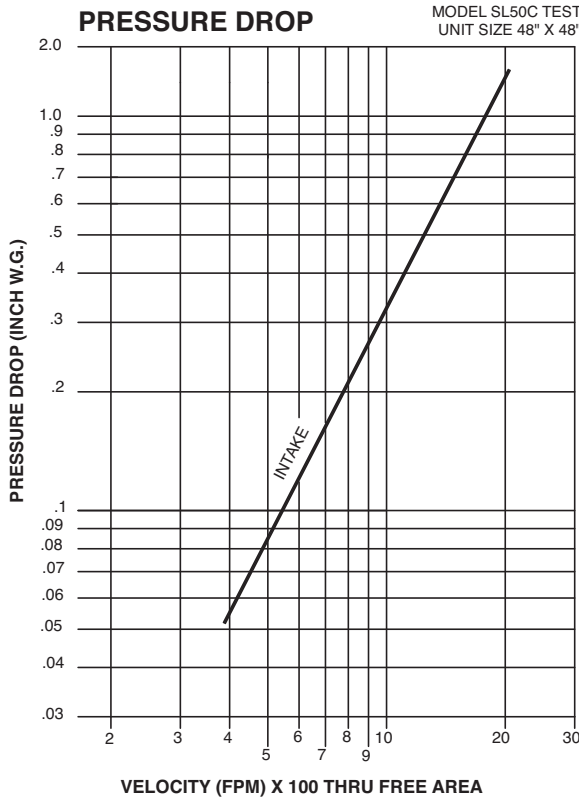
JOB NAME:

SUBMITTED BY:

PERFORMANCE DATA

TESTS OF A 48"x48" ACCORDING TO AMCA STANDARD 500-L SHOWS THE BEGINNING POINT OF WATER PENETRATION IS ABOVE 1250 FPM THROUGH THE FREE AREA OF THE LOUVER, WITH LESS THAN .32 INCHES WATER GAUGE PRESSURE DROP AT 1000 FPM (INTAKE).

RATINGS DO NOT INCLUDE EFFECTS OF BIRD SCREEN.



*AMCA STANDARD 500-L LIMITS TESTING OF WATER PENETRATION TO EITHER A MAXIMUM VELOCITY OF 1250 FPM OR 2.5 OUNCES OF WATER PER SQUARE FOOT OF LOUVER FREE AREA.

FREE AREA (SQ. FT.)

		WIDTH									
		12"	24"	36"	48"	60"	72"	84"	96"	108"	120"
HEIGHT	12"	.21	.49	.76	1.04	1.31	1.58	1.86	2.13	2.40	2.68
	24"	.63	1.43	2.24	3.04	3.85	4.65	5.46	6.26	7.07	7.87
	36"	1.04	2.38	3.72	5.05	6.39	7.73	9.06	10.40	11.73	13.07
	48"	1.46	3.33	5.19	7.08	8.93	10.80	12.67	14.53	16.40	18.27
	60"	1.88	4.27	6.67	9.07	11.47	13.87	16.27	18.67	21.07	23.46
	72"	2.29	5.22	8.15	11.08	14.01	16.94	19.87	22.80	25.73	28.66
	84"	2.71	6.17	9.63	13.09	16.55	20.01	23.47	26.93	30.40	33.86
	96"	3.12	7.11	11.11	15.10	19.09	23.08	27.08	31.07	35.06	39.05
	108"	3.54	8.06	12.58	17.11	21.63	26.16	30.68	35.20	39.73	44.25
	120"	3.95	9.01	14.06	19.12	24.17	29.23	34.28	39.34	44.39	49.45

All dimensions are in inches.

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PERFORMANCE DATA

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

TEST SIZE 1M x 1M (39.37" x 39.37") CORE AREA, 41.87" x 42.77" NOMINAL.
LOUVER FREE AREA 5.54 SQUARE FEET

CORE VENTILATION (M/S)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	RAIN FALL / MPH
FPM	0	0	0	0	385	474	583	682	771	866	981	3 IN. / HR. RAIN FALL AND 29 MPH VELOCITY
FREE AREA VENTILATION (CFM)	-	-	-	-	4143	5108	6276	7347	8303	9321	10,560	
FREE AREA VELOCITY (FPM)	-	-	-	-	748	922	1133	1326	1499	1682	1906	
EFFECTIVE RATING CLASS	A	A	A	A	A	A	A	B	B	C	C	
EFFECTIVENESS RATIO %	-	-	-	-	99.8	99.6	99.0	97.1	95.1	90.6	89.3	
FPM	0	122	190	285	390	481	569	673	773	884	945	8 IN. / HR. RAIN FALL AND 50 MPH VELOCITY
FREE AREA VENTILATION (CFM)	-	1313	2049	3071	4202	5179	6129	7243	8324	9521	10,174	
FREE AREA VELOCITY (FPM)	-	237	370	554	758	935	1106	1307	1503	1719	1836	
EFFECTIVE RATING CLASS	B	B	B	B	B	B	B	B	C	C	C	
EFFECTIVENESS RATIO %	98.3	98.2	98.1	97.9	97.7	97.9	97.6	95.7	93.9	89.8	85.8	

DISCHARGE COEFFICIENT

INTAKE Cd= 0.29 (CLASS 3)

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.

- CORE AREA IS THE FRONT OPENING OF A LOUVER ASSEMBLY WITH THE BLADES REMOVED.
- CORE AREA VELOCITY IS THE AIRFLOW RATE THROUGH THE LOUVER DIVIDED BY THE CORE AREA (39.37"x39.37").
- 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.
- 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.



WATER PENETRATION



AIR PERFORMANCE



WIND DRIVEN RAIN

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

All dimensions are in inches.

JOB NAME:

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