RUSKIN®

3900 Dr. Greaves Rd. • Grandview, MO 64030 • (816) 761-7476 • FAX (816) 765-8955

L6811S STATIONARY LOUVER
ROLL FORMED STEEL

STANDARD CONSTRUCTION

FRAME
6" (152) deep, 20 (1.4) gage galvanized steel.

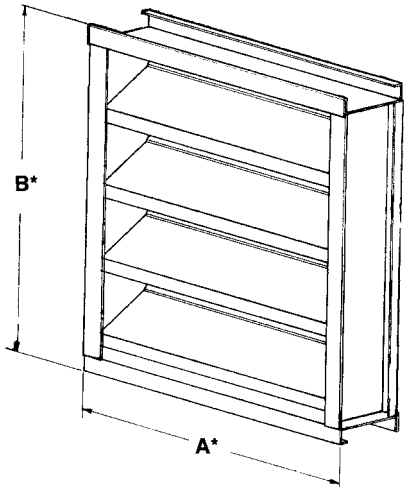
BLADES
20 gage (1.4) galvanized steel, K-style blades (formerly "stormproof") are positioned at 45° angle and spaced approximately 6 11/16" (170) center to center.

SCREEN
1/2" (13) mesh 19 gage (1.1) galvanized screen in removable frame. Screen adds approximately 1/2" (13) to louver depth.

FINISH
Mill.

MINIMUM SIZE
12" wide x 12" high (305 x 305).

MAXIMUM FACTORY ASSEMBLY SIZE
64 sq. ft. (6m²). Sections must fit into standard enclosed trailer 90" high x 240" deep (2286 x 6096).



FEATURES

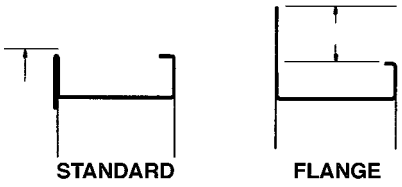
The L6811S offers:
- Architecturally styled hidden mullions for attractive appearance.
- Economical galvanized steel construction.

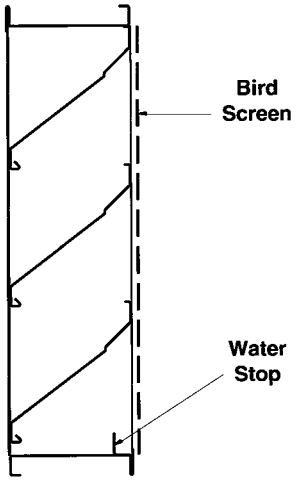
VARIATIONS

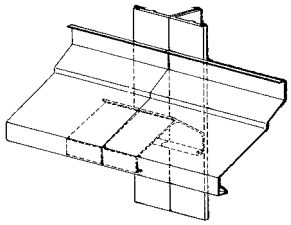
Variations to the basic design of this louver are available at additional cost. They include:
- Extended sill
- Hinged frame
- Front or rear security bars
- Filter racks
- A variety of bird and insect screens
- Selection of finishes: baked enamel (modified fluropolymer), epoxy, integral color and clear anodize, Kynar, Flurodize and prime coat.
- Heavier, 18 gage (1.2) and 16 gage (1.5) construction.

Consult Ruskin for other special requirements.

FRAME CONSTRUCTION







Architectural Style Hidden Mullion

Dimensions in parenthesis ( ) indicate millimeters.

Units furnished 1/4" (6) smaller than given opening dimensions.

TAG	QTY.	SIZE		FRAME	VARIATIONS
		A"-WIDE	B"-HIGH		

JOB **LOCATION**

CONTRACTOR

SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be stationary type entirely contained within a 6" (152) frame. Louver components (heads, jambs, sills, blades & mullions) shall be factory assembled by the louver manufacturer. Louver sizes too large for shipping shall be built up by the contractor from factory assembled louver sections to provide overall sizes required. Louver design shall incorporate structural supports required to withstand a wind load of 20 lbs. per sq. ft. (.96kPa) equivalent of a 90 mph wind - specifier may substitute any loading required).

Louvers shall be Ruskin Model L6811S construction as follows:

Frame: 20 gage (.9) galvanized steel channel
Blades: 20 gage (.9) galvanized steel at 45 angle on 6 11/16" (170) centers.
Screen: 1/2" mesh x 19 gage (13 x 1.1) galvanized steel in removable frame.
Finish: Select finish specification from Ruskin Finishes Brochure.

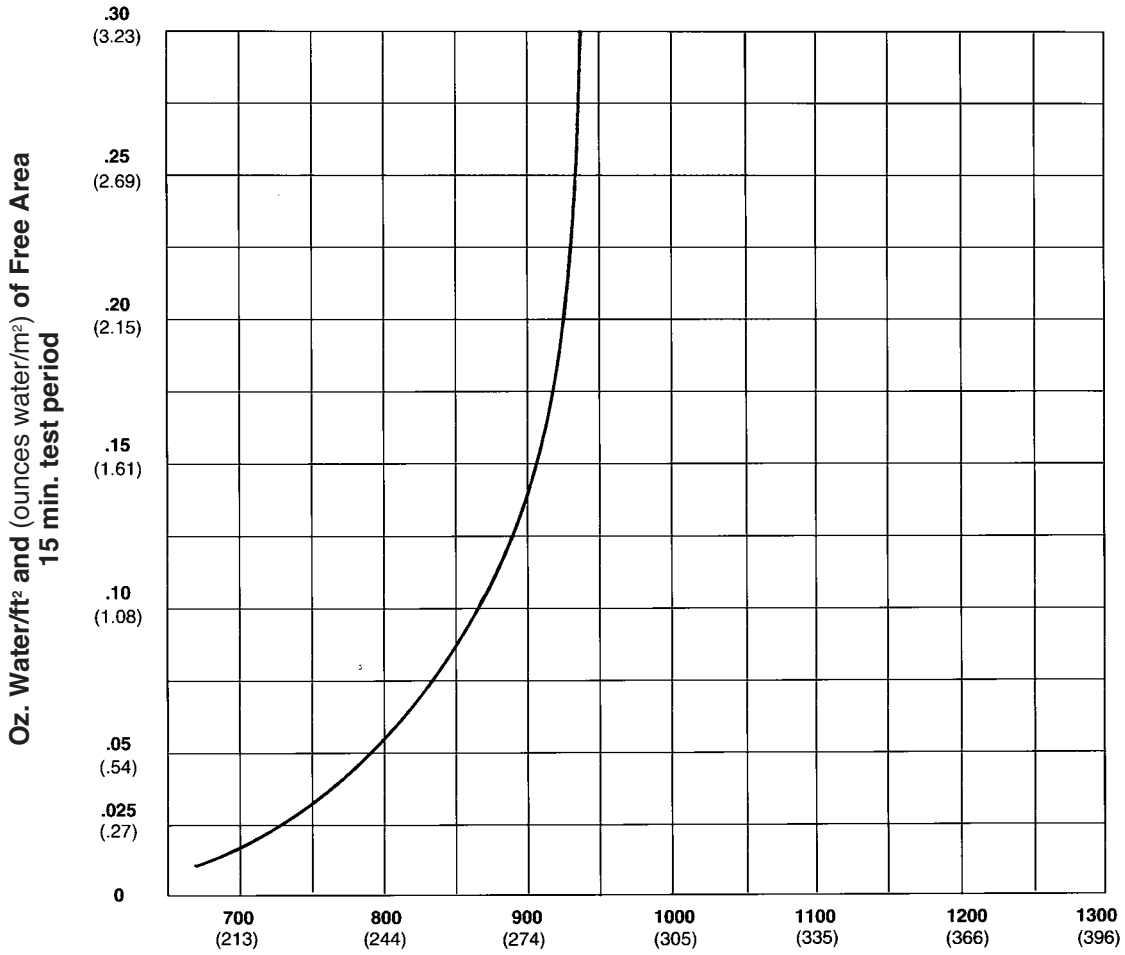
PERFORMANCE DATA

AMCA Standard 500 provides a reasonable basis for testing and rating louvers. Testing to AMCA 500 is performed under a certain set of laboratory conditions. This does not guarantee that other conditions will not occur in the actual environment where louvers must operate.

Designs should provide a reasonable safety factor for louver performance by selecting at some point below pressure drop or water penetration system requirements.

WATER PENETRATION

Test size 48" wide x 48" high (1219 x 1219)
Beginning point of water penetration at .01 oz./sq. ft. is 668 fpm (204 m/min).



FREE AREA GUIDE

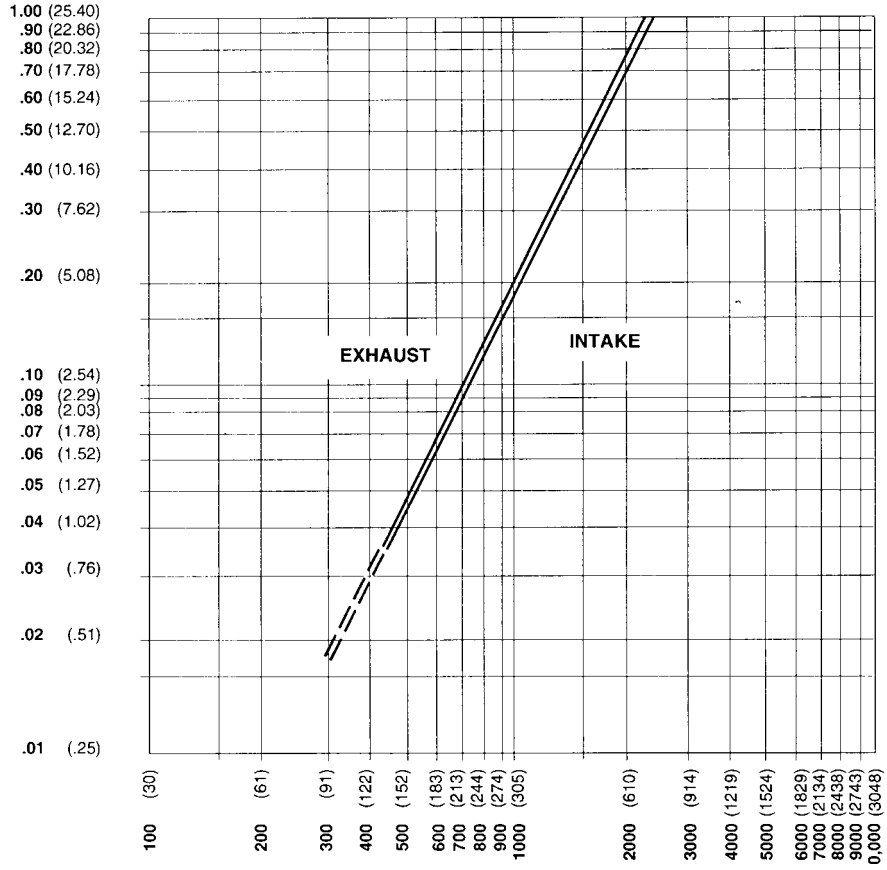
Free Area Guide shows free area in ft² and m² **for various sizes of L6811S**

Width – Inches and Meters

Height – Inches and Meters

	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52	1.68	1.83	1.98	2.13	2.29	2.44	2.59	2.74	2.90	3.05
12	**0.21**	**0.34**	**0.47**	**0.60**	**0.72**	**0.85**	**0.98**	**1.11**	**1.23**	**1.36**	**1.49**	**1.62**	**1.74**	**1.87**	**2.00**	**2.13**	**2.25**	**2.38**	**2.51**
0.30	0.02	0.03	0.04	0.06	0.07	0.08	0.09	0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.19	0.20	0.21	0.22	0.23
18	**0.44**	**0.71**	**0.97**	**1.24**	**1.50**	**1.77**	**2.03**	**2.30**	**2.56**	**2.83**	**3.09**	**3.36**	**3.62**	**3.89**	**4.15**	**4.42**	**4.68**	**4.95**	**5.21**
0.46	0.04	0.07	0.09	0.12	0.14	0.16	0.19	0.21	0.24	0.26	0.29	0.31	0.34	0.36	0.39	0.41	0.44	0.46	0.48
24	**0.67**	**1.07**	**1.48**	**1.88**	**2.28**	**2.69**	**3.09**	**3.49**	**3.89**	**4.30**	**4.70**	**5.10**	**5.50**	**5.91**	**6.31**	**6.71**	**7.12**	**7.52**	**7.92**
0.61	0.06	0.10	0.14	0.17	0.21	0.25	0.29	0.32	0.36	0.40	0.44	0.47	0.51	0.55	0.59	0.62	0.66	0.70	0.74
30	**0.90**	**1.44**	**1.98**	**2.52**	**3.06**	**3.60**	**4.14**	**4.68**	**5.22**	**5.76**	**6.30**	**6.84**	**7.39**	**7.93**	**8.47**	**9.01**	**9.55**	**10.09**	**10.63**
0.76	0.08	0.13	0.18	0.23	0.28	0.34	0.39	0.44	0.49	0.54	0.59	0.64	0.69	0.74	0.79	0.84	0.89	0.94	0.99
36	**1.13**	**1.81**	**2.49**	**3.16**	**3.84**	**4.52**	**5.20**	**5.88**	**6.55**	**7.23**	**7.91**	**8.59**	**9.27**	**9.94**	**10.62**	**11.30**	**11.98**	**12.66**	**13.33**
0.91	0.11	0.17	0.23	0.29	0.36	0.42	0.48	0.55	0.61	0.67	0.74	0.80	0.86	0.92	0.99	1.05	1.11	1.18	1.24
42	**1.55**	**2.47**	**3.40**	**4.33**	**5.26**	**6.19**	**7.11**	**8.04**	**8.97**	**9.90**	**10.83**	**11.75**	**12.68**	**13.61**	**14.54**	**15.47**	**16.39**	**17.32**	**18.25**
1.07	0.14	0.23	0.32	0.40	0.49	0.58	0.66	0.75	0.83	0.92	1.01	1.09	1.18	1.27	1.35	1.44	1.52	1.61	1.70
48	**1.78**	**2.84**	**3.91**	**4.97**	**6.04**	**7.10**	**8.17**	**9.24**	**10.30**	**11.37**	**12.43**	**13.50**	**14.56**	**15.63**	**16.69**	**17.76**	**18.83**	**19.89**	**20.96**
1.22	0.17	0.26	0.36	0.46	0.56	0.66	0.76	0.86	0.96	1.06	1.16	1.26	1.35	1.45	1.55	1.65	1.75	1.85	1.95
54	**2.01**	**3.21**	**4.41**	**5.62**	**6.82**	**8.02**	**9.22**	**10.43**	**11.63**	**12.83**	**14.04**	**15.24**	**16.44**	**17.65**	**18.85**	**20.05**	**21.26**	**22.46**	**23.66**
1.37	0.19	0.30	0.41	0.52	0.63	0.75	0.86	0.97	1.08	1.19	1.31	1.42	1.53	1.64	1.75	1.87	1.98	2.09	2.20
60	**2.23**	**3.58**	**4.92**	**6.26**	**7.60**	**8.94**	**10.28**	**11.62**	**12.96**	**14.30**	**15.64**	**16.98**	**18.33**	**19.67**	**21.01**	**22.35**	**23.69**	**25.03**	**26.37**
1.52	0.21	0.33	0.46	0.58	0.71	0.83	0.96	1.08	1.21	1.33	1.45	1.58	1.70	1.83	1.95	2.08	2.20	2.33	2.45
66	**2.46**	**3.94**	**5.42**	**6.90**	**8.38**	**9.86**	**11.34**	**12.81**	**14.29**	**15.77**	**17.25**	**18.73**	**20.21**	**21.68**	**23.16**	**24.64**	**26.12**	**27.60**	**29.08**
1.68	0.23	0.37	0.50	0.64	0.78	0.92	1.05	1.19	1.33	1.47	1.60	1.74	1.88	2.02	2.15	2.29	2.43	2.57	2.70
72	**2.69**	**4.31**	**5.93**	**7.54**	**9.16**	**10.77**	**12.39**	**14.01**	**15.62**	**17.24**	**18.85**	**20.47**	**22.09**	**23.70**	**25.32**	**26.94**	**28.55**	**30.17**	**31.78**
1.83	0.25	0.40	0.55	0.70	0.85	1.00	1.15	1.30	1.45	1.60	1.75	1.90	2.05	2.20	2.35	2.50	2.66	2.81	2.96
78	**2.92**	**4.68**	**6.43**	**8.18**	**9.94**	**11.69**	**13.45**	**15.20**	**16.95**	**18.71**	**20.46**	**22.21**	**23.97**	**25.72**	**27.48**	**29.23**	**30.98**	**32.74**	**34.49**
1.98	0.27	0.43	0.60	0.76	0.92	1.09	1.25	1.41	1.58	1.74	1.90	2.07	2.23	2.39	2.56	2.72	2.88	3.04	3.21
84	**3.15**	**5.04**	**6.94**	**8.83**	**10.72**	**12.61**	**14.50**	**16.39**	**18.28**	**20.17**	**22.07**	**23.96**	**25.85**	**27.74**	**29.63**	**31.52**	**33.41**	**35.31**	**37.20**
2.13	0.29	0.47	0.64	0.82	1.00	1.17	1.35	1.52	1.70	1.88	2.05	2.23	2.40	2.58	2.76	2.93	3.11	3.28	3.46
90	**3.38**	**5.41**	**7.44**	**9.47**	**11.50**	**13.53**	**15.56**	**17.58**	**19.61**	**21.64**	**23.67**	**25.70**	**27.73**	**29.76**	**31.79**	**33.82**	**35.85**	**37.87**	**39.90**
2.29	0.31	0.50	0.69	0.88	1.07	1.26	1.45	1.64	1.82	2.01	2.20	2.39	2.58	2.77	2.96	3.14	3.33	3.52	3.71
96	**3.61**	**5.78**	**7.94**	**10.11**	**12.28**	**14.44**	**16.61**	**18.78**	**20.94**	**23.11**	**25.28**	**27.44**	**29.61**	**31.78**	**33.94**	**36.11**	**38.28**	**40.44**	**42.61**
2.44	0.34	0.54	0.74	0.94	1.14	1.34	1.54	1.75	1.95	2.15	2.35	2.55	2.75	2.96	3.16	3.36	3.56	3.76	3.96
102	**4.03**	**6.44**	**8.86**	**11.28**	**13.69**	**16.11**	**18.53**	**20.94**	**23.36**	**25.78**	**28.19**	**30.61**	**33.03**	**35.44**	**37.86**	**40.28**	**42.69**	**45.11**	**47.53**
2.59	0.37	0.60	0.82	1.05	1.27	1.50	1.72	1.95	2.17	2.40	2.62	2.85	3.07	3.30	3.52	3.75	3.97	4.20	4.42
108	**4.26**	**6.81**	**9.37**	**11.92**	**14.47**	**17.03**	**19.58**	**22.14**	**24.69**	**27.25**	**29.80**	**32.35**	**34.91**	**37.46**	**40.02**	**42.57**	**45.13**	**47.68**	**50.23**
2.74	0.40	0.63	0.87	1.11	1.35	1.58	1.82	2.06	2.30	2.53	2.77	3.01	3.25	3.48	3.72	3.96	4.20	4.43	4.67
114	**4.49**	**7.18**	**9.87**	**12.56**	**15.25**	**17.95**	**20.64**	**23.33**	**26.02**	**28.71**	**31.41**	**34.10**	**36.79**	**39.48**	**42.17**	**44.86**	**47.56**	**50.25**	**52.94**
2.90	0.42	0.67	0.92	1.17	1.42	1.67	1.92	2.17	2.42	2.67	2.92	3.17	3.42	3.67	3.92	4.17	4.42	4.67	4.92
120	**4.72**	**7.55**	**10.37**	**13.20**	**16.03**	**18.86**	**21.69**	**24.52**	**27.35**	**30.18**	**33.01**	**35.84**	**38.67**	**41.50**	**44.33**	**47.16**	**49.99**	**52.82**	**55.65**
3.05	0.44	0.70	0.96	1.23	1.49	1.75	2.02	2.28	2.54	2.81	3.07	3.33	3.60	3.86	4.12	4.39	4.65	4.91	5.18

PRESSURE DROP



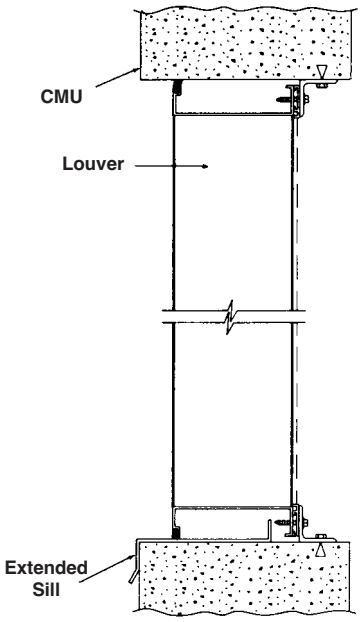
Static Pressure Drop in Inches w.g. and (mm)

Air Velocity in feet and (meters) **per minute through Free Area**

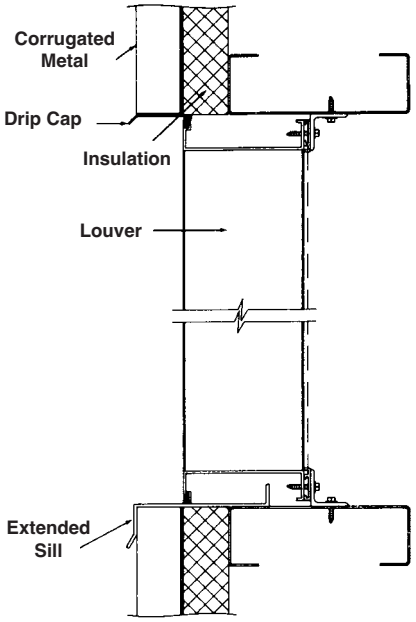
Ratings do not include the effect of a bird screen.

TYPICAL INSTALLATION DETAILS

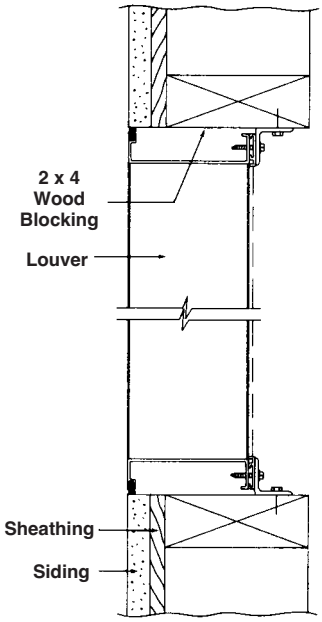
Masonry Wall



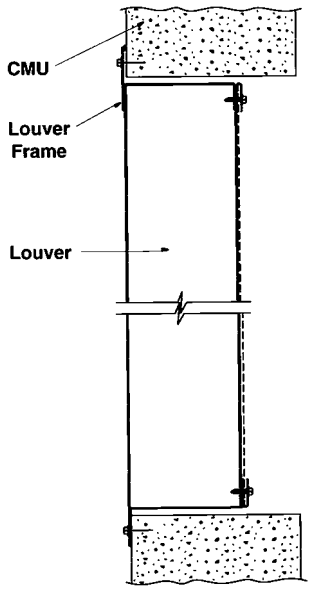
Metal Panel Wall



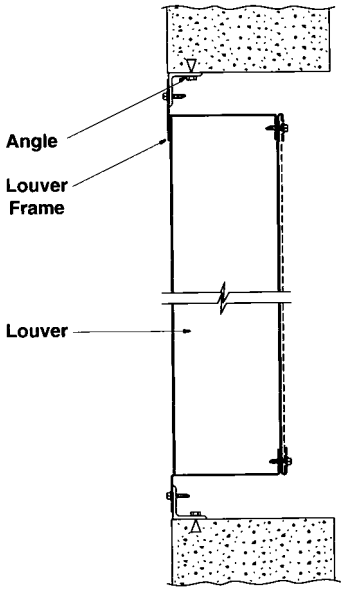
Wood Installation



Flange Mount



Angle Subframe



Accessories at additional cost.

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