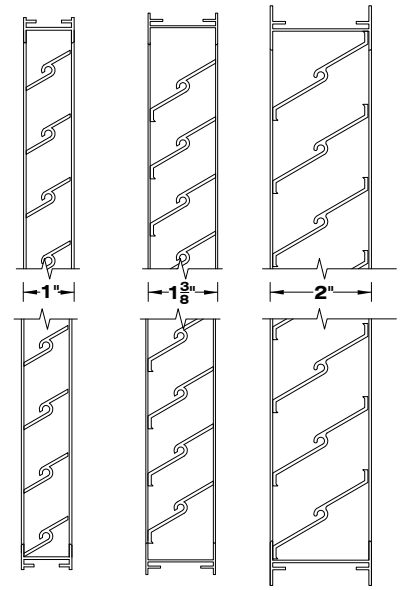
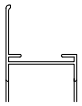
AIR CONDITIONING THINLINE LOUVER SYSTEMS

1″ (25.4 mm) Model 0291 L Frame
1″ (25.4 mm) Model 0292 A Frame
1 3/8″ (34.9 mm) Model 1241 L Frame
1 3/8″ (34.9 mm) Model 1242 A Frame
2″ (50.8 mm) Model 2271 L Frame
2″ (50.8 mm) Model 2272 A Frame



MODEL 0292 **MODEL 1242** **MODEL 2272**



STANDARD L FRAME

STANDARD A FRAME

SUGGESTED SPECIFICATIONS:

GENERAL: Furnish and install where indicated on the drawings C/S 1″, 1 3/8″, OR 2″ (25.4 mm, 34.9 mm OR 50.8 mm) FIXED THINLINE A OR L FRAME LOUVER **MODEL**_____ as manufactured by Construction Specialties, Inc. Cranford, New Jersey and Mississauga, Ontario. Complete details shall be submitted to the architect for approval prior to fabrication. Supplier must be a member of AMCA or BSRIA

MATERIAL: Frames and blades shall be 6063-T6 aluminum alloy extrusions. All frames to be neatly mitered at corners and reinforced with corner brackets. Material thicknesses shall be as follows: Heads, sills, jambs and mullions: 0.064″ (1.63 mm) Fixed blades: 0.064″ (1.63 mm) All fasteners shall be aluminum or stainless steel. All louvers to be furnished with 18 x 14 aluminum mesh .123″ (.312 mm) diameter wire insect screens secured within rolled aluminum frames. Frames to have mitered corners and corner locks. Screens and screen frames to be standard mill finish.

STRUCTURAL DESIGN: Structural supports shall be designed and furnished by the louver manufacturer to carry a wind load of not less than_____ psf (Pascals). Note: If this paragraph is omitted or if the design wind load is not specified, the louvers will be manufactured in self-supporting units up to a maximum of 5′ (1524 mm) wide by 8′ (2438 mm) high. Any additional structural supports required to adequately secure these units within the opening shall be the responsibility of others.)

TEST DATA: The louver manufacturer shall submit test data on a 4′x 4′ (1.22 m x 1.22 m) unit showing that the louver conforms to the following:

Free area:	= _____ ft^2 (_____m^2)
Intake Pressure drop at 700 fpm (213m/min) free area velocity:	= _____ in. (_____ mm) $_2O$
Exhaust pressure drop at 1000 fpm (305 m/min) free area velocity:	= _____ in. (_____ mm) H_2O

FINISH: All louvers shall be finished with C/S Powder Coat, a coating to be 1.5 to 3 mil. thick full strength **100% resin Fluoropolymer coating. Finish to allow zero VOCs** to be emitted into facility of application. Finish to adhere to a 4H Hardness rating. All finishing procedures shall be one continuous operation in the plant of the manufacturer. **The coating shall meet or exceed all requirements of AAMA specification 2605-5** "Voluntary Specification for High Performance Organic Coatings on Architectural extrusions and Panels." The louver manufacturer shall supply an industry standard **20-year limited warranty against failure or excessive fading** of the Fluoropolymer Powder Coat finish. This limited warranty shall begin on the date of material shipment.

Construction Specialties, Inc.
Manufacturing & Sales Location
www.c-sgroup.com

Cranford, New Jersey
49 Meeker Avenue 07016
Telephone: (800) 631-7379
Fax: (908) 272-2920

Mississauga, Ontario
895 Lakefront Promenade L5E 2C2
Telephone: (888) 895-8955
Fax: (905) 274-6241

A member of the C/S Group of Companies
For assistance with overseas requirements, call C/S International (908) 236-0800

PERFORMANCE DATA

MODELS 0291-0292
FREE AREAS IN SQ. FEET AND SQ. METERS

WIDTH IN INCHES AND METERS

HEIGHT IN INCHES AND METERS	**12**	**18**	**24**	**30**	**36**	**42**	**48**	**54**	**60**
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
12	**0.54**	**0.84**	**1.13**	**1.43**	**1.73**	**2.02**	**2.32**	**2.61**	**2.91**
0.30	0.05	0.08	0.11	0.13	0.16	0.19	0.22	0.24	0.27
18	**0.86**	**1.32**	**1.79**	**2.26**	**2.73**	**3.21**	**3.66**	**4.13**	**4.60**
0.46	0.08	0.12	0.17	0.21	0.25	0.30	0.34	0.38	0.43
24	**1.17**	**1.81**	**2.45**	**3.09**	**3.73**	**4.37**	**5.01**	**5.65**	**6.29**
0.61	0.11	0.17	0.23	0.29	0.35	0.41	0.47	0.53	0.58
30	**1.47**	**2.28**	**3.08**	**3.88**	**4.69**	**5.49**	**6.29**	**7.10**	**7.90**
0.76	0.14	0.21	0.29	0.36	0.44	0.51	0.58	0.66	0.73
36	**1.77**	**2.74**	**3.71**	**4.67**	**5.64**	**6.61**	**7.57**	**8.54**	**9.51**
0.91	0.16	0.25	0.34	0.43	0.52	0.61	0.70	0.79	0.88
42	**2.07**	**3.20**	**4.33**	**5.46**	**6.59**	**7.72**	**8.85**	**9.98**	**11.12**
1.07	0.19	0.30	0.40	0.51	0.61	0.72	0.82	0.93	1.03
48	**2.39**	**3.69**	**4.99**	**6.29**	**7.60**	**8.90**	**10.20**	**11.50**	**12.80**
1.22	0.22	0.34	0.46	0.58	0.71	0.83	0.95	1.07	1.19
54	**2.70**	**4.18**	**5.65**	**7.13**	**8.60**	**10.08**	**11.55**	**13.03**	**14.50**
1.37	0.25	0.39	0.53	0.66	0.80	0.94	1.07	1.21	1.35
60	**3.00**	**4.64**	**6.28**	**7.92**	**9.56**	**11.19**	**12.83**	**14.47**	**16.11**
1.52	0.28	0.43	0.58	0.74	0.89	1.04	1.19	1.34	1.50

UPPER NUMERIALS ENGLISH UNITS / LOWER NUMERIALS METRIC UNITS

PERFORMANCE DATA

MODELS 1241-1242
FREE AREAS IN SQ. FEET AND SQ. METERS

WIDTH IN INCHES AND METERS

HEIGHT IN INCHES AND METERS	**12**	**18**	**24**	**30**	**36**	**42**	**48**	**54**	**60**
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
12	**0.37**	**0.58**	**0.79**	**1.00**	**1.20**	**1.41**	**1.62**	**1.83**	**2.04**
0.30	0.03	0.05	0.07	0.09	0.11	0.13	0.15	0.17	0.19
18	**0.58**	**0.90**	**1.23**	**1.55**	**1.87**	**2.20**	**2.52**	**2.84**	**3.17**
0.46	0.05	0.08	0.11	0.14	0.17	0.20	0.23	0.26	0.29
24	**0.81**	**1.27**	**1.72**	**2.17**	**2.63**	**3.08**	**3.53**	**3.99**	**4.44**
0.61	0.08	0.12	0.16	0.20	0.24	0.29	0.33	0.37	0.41
30	**1.03**	**1.61**	**2.19**	**2.77**	**3.34**	**3.92**	**4.50**	**5.08**	**5.65**
0.76	0.10	0.15	0.20	0.26	0.31	0.36	0.42	0.47	0.53
36	**1.24**	**1.93**	**2.63**	**3.32**	**4.01**	**4.71**	**5.40**	**6.09**	**6.78**
0.91	0.12	0.18	0.24	0.31	0.37	0.44	0.50	0.57	0.63
42	**1.47**	**2.30**	**3.12**	**3.94**	**4.77**	**5.59**	**6.41**	**7.24**	**8.06**
1.07	0.14	0.21	0.29	0.37	0.44	0.52	0.60	0.67	0.75
48	**1.70**	**2.64**	**3.59**	**4.54**	**5.48**	**6.43**	**7.38**	**8.33**	**9.27**
1.22	0.16	0.25	0.33	0.42	0.51	0.60	0.69	0.77	0.86
54	**1.90**	**2.97**	**4.03**	**5.09**	**6.15**	**7.22**	**8.28**	**9.34**	**10.40**
1.37	0.18	0.28	0.37	0.47	0.57	0.67	0.77	0.87	0.97
60	**2.14**	**3.33**	**4.52**	**5.71**	**6.91**	**8.10**	**9.29**	**10.48**	**11.68**
1.52	0.20	0.31	0.42	0.53	0.64	0.75	0.86	0.97	1.08

UPPER NUMERIALS ENGLISH UNITS / LOWER NUMERIALS METRIC UNITS

PERFORMANCE DATA

MODELS 2271-2272
FREE AREAS IN SQ. FEET AND SQ. METERS

WIDTH IN INCHES AND METERS

HEIGHT IN INCHES AND METERS	**12**	**18**	**24**	**30**	**36**	**42**	**48**	**54**	**60**
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
12	**0.39**	**62.00**	**0.85**	**1.08**	**1.31**	**1.54**	**1.77**	**2.00**	**2.23**
0.30	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.19	0.21
18	**0.65**	**1.03**	**1.42**	**1.80**	**2.18**	**2.56**	**2.94**	**3.33**	**3.71**
0.46	0.06	0.10	0.13	0.17	0.20	0.24	0.27	0.31	0.34
24	**0.91**	**1.45**	**1.98**	**2.52**	**3.05**	**3.59**	**4.12**	**4.66**	**5.19**
0.61	0.08	0.13	0.18	0.23	0.28	0.33	0.38	0.43	0.48
30	**1.17**	**1.86**	**2.55**	**3.24**	**3.93**	**4.61**	**5.30**	**5.99**	**6.68**
0.76	0.11	0.17	0.24	0.30	0.36	0.43	0.49	0.56	0.62
36	**1.44**	**2.28**	**3.12**	**3.96**	**4.80**	**5.56**	**6.48**	**7.32**	**8.16**
0.91	0.13	0.21	0.29	0.37	0.45	0.52	0.60	0.68	0.76
42	**1.70**	**2.69**	**3.68**	**4.68**	**5.67**	**6.66**	**7.66**	**8.65**	**9.64**
1.07	0.16	0.25	0.34	0.43	0.53	0.62	0.71	0.80	0.90
48	**1.96**	**3.10**	**4.25**	**5.40**	**6.54**	**7.69**	**8.83**	**9.98**	**11.13**
1.22	0.18	0.29	0.39	0.50	0.61	0.71	0.82	0.93	1.03
54	**2.22**	**3.52**	**4.82**	**6.12**	**7.41**	**8.71**	**10.01**	**11.31**	**12.61**
1.37	0.21	0.33	0.45	0.57	0.69	0.81	0.93	1.05	1.17
60	**2.48**	**3.93**	**5.38**	**6.83**	**8.29**	**9.74**	**11.19**	**12.64**	**14.09**
1.52	0.23	0.37	0.50	0.63	0.77	0.90	1.04	1.17	1.31

UPPER NUMERIALS ENGLISH UNITS / LOWER NUMERIALS METRIC UNITS

PERFORMANCE DATA

MODELS 2281-2282
FREE AREAS IN SQ. FEET AND SQ. METERS

WIDTH IN INCHES AND METERS

HEIGHT IN INCHES AND METERS	**12**	**18**	**24**	**30**	**36**	**42**	**48**	**54**	**60**
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
12	**0.29**	**0.46**	**0.63**	**0.80**	**0.97**	**1.13**	**1.30**	**1.47**	**1.64**
0.30	0.03	0.04	0.06	0.07	0.09	0.11	0.12	0.14	0.15
18	**0.46**	**0.73**	**1.00**	**1.27**	**1.54**	**1.81**	**2.09**	**2.36**	**2.63**
0.46	0.04	0.07	0.09	0.12	0.14	0.17	0.19	0.22	0.24
24	**0.64**	**1.01**	**1.38**	**1.75**	**2.12**	**2.49**	**2.87**	**3.24**	**3.61**
0.61	0.06	0.09	0.13	0.16	0.20	0.23	0.27	0.30	0.34
30	**0.87**	**1.37**	**1.88**	**2.39**	**2.90**	**3.40**	**3.91**	**4.42**	**4.92**
0.76	0.08	0.13	0.17	0.22	0.27	0.32	0.36	0.41	0.46
36	**1.04**	**1.65**	**2.26**	**2.87**	**3.47**	**4.08**	**4.69**	**5.30**	**5.91**
0.91	0.10	0.15	0.21	0.27	0.32	0.38	0.44	0.49	0.55
42	**1.21**	**1.92**	**2.63**	**3.34**	**4.05**	**4.76**	**5.47**	**6.18**	**6.89**
1.07	0.11	0.18	0.24	0.31	0.38	0.44	0.51	0.57	0.64
48	**1.39**	**2.20**	**3.01**	**3.82**	**4.63**	**5.44**	**6.26**	**7.07**	**7.88**
1.22	0.13	0.20	0.28	0.35	0.43	0.51	0.58	0.66	0.73
54	**1.56**	**2.47**	**3.39**	**4.30**	**5.21**	**6.12**	**7.04**	**7.95**	**8.86**
1.37	0.14	0.23	0.31	0.40	0.48	0.57	0.65	0.74	0.82
60	**1.79**	**2.84**	**3.89**	**4.94**	**5.98**	**7.03**	**8.08**	**9.13**	**10.18**
1.52	0.17	0.26	0.36	0.46	0.56	0.65	0.75	0.85	0.95

UPPER NUMERIALS ENGLISH UNITS / LOWER NUMERIALS METRIC UNITS