

Performance Ratings*

Performance of 48 in. x 48 in. (1219 x 1219 mm) Louver

Percentage of free area 39,17 %

Free area 6,26 sq.ft. (0,581 m²)

Water penetration
@ 0,010 oz/sq.ft.(3,05 gr/m²) = 717,5 fpm (3,645 m/s)

Free area intake velocity
@ **Pressure** drop 0,15 in. H₂O
(3,81 mm H₂O) = 785 fpm (3,99 m/s)

*performance ratings excluded bird screen and other accessories.

Standard specifications

Material	Aluminum 6063-T5
Depth	50,8 mm (2")
Blade thickness	1,60 mm (0,063")
"L" frame thickness	2,06 mm (0,081")
"U" frame thickness	1,83 mm (0,072")

Blades angle 45°

Center to center 63,5 mm (2,5")

Birdscreen Galvanized steel

Finish Mill finish

Assembly Mechanical

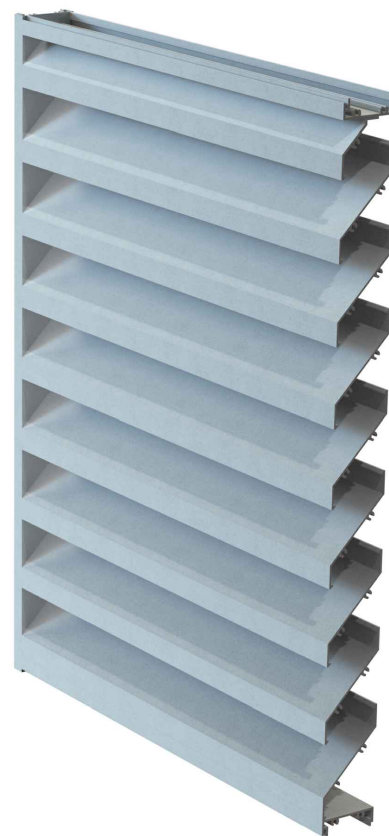
Hardware Galvanized steel

Approximate weight 2,31 lbs/sq.ft.

Minimum Size 150 mm W x 305 mm H (6" W x 12" L)

Maximum Single Unlimited**

Section Size **The louver will be divided into sections, each with maximum size of 70 ft² (6.5 sq. m) to facilitate handling (width or height should not exceed 14 ft).



Free area chart (sq.ft. & m²)

po	12	18	24	30	36	42	48	54	60	66	72
m	0,30	0,46	0,61	0,76	0,91	1,07	1,22	1,37	1,52	1,68	1,83
12	0,23	0,36	0,49	0,63	0,76	0,85	0,98	1,11	1,25	1,38	1,51
	0,30	0,022	0,034	0,046	0,058	0,070	0,079	0,091	0,104	0,116	0,128
18	0,47	0,73	1,00	1,26	1,52	1,72	1,98	2,25	2,51	2,77	3,03
	0,46	0,044	0,068	0,093	0,117	0,141	0,160	0,184	0,209	0,233	0,258
24	0,61	0,95	1,29	1,63	1,97	2,22	2,56	2,90	3,24	3,58	3,92
	0,61	0,057	0,088	0,120	0,151	0,183	0,206	0,238	0,270	0,301	0,333
30	0,84	1,31	1,78	2,25	2,72	3,08	3,55	4,02	4,49	4,96	5,43
	0,76	0,078	0,122	0,166	0,209	0,253	0,286	0,329	0,373	0,417	0,460
36	1,08	1,68	2,29	2,89	3,49	3,94	4,55	5,15	5,75	6,36	6,96
	0,91	0,100	0,156	0,212	0,268	0,324	0,366	0,423	0,479	0,535	0,591
42	1,21	1,89	2,57	3,25	3,92	4,43	5,11	5,79	6,46	7,14	7,82
	1,07	0,113	0,176	0,239	0,302	0,364	0,412	0,475	0,537	0,600	0,663
48	1,45	2,26	3,07	3,88	4,69	5,30	6,26	6,92	7,73	8,54	9,35
	1,22	0,135	0,210	0,285	0,361	0,436	0,492	0,581	0,643	0,718	0,793
54	1,59	2,48	3,36	4,25	5,14	5,81	6,69	7,58	8,47	9,36	10,24
	1,37	0,148	0,230	0,313	0,395	0,478	0,539	0,622	0,704	0,787	0,869
60	1,82	2,84	3,86	4,87	5,89	6,66	7,67	8,69	9,71	10,72	11,74
	1,52	0,169	0,264	0,358	0,453	0,547	0,618	0,713	0,807	0,902	0,996
66	2,05	3,20	4,34	5,49	6,63	7,49	8,64	9,78	10,93	12,07	13,22
	1,68	0,191	0,297	0,403	0,510	0,616	0,696	0,802	0,909	1,015	1,122
72	2,19	3,42	4,64	5,87	7,09	8,01	9,24	10,46	11,68	12,91	14,13
	1,83	0,204	0,318	0,431	0,545	0,659	0,744	0,858	0,972	1,086	1,199
78	2,43	3,79	5,15	6,50	7,86	8,88	10,24	11,59	12,95	14,31	15,67
	1,98	0,226	0,352	0,478	0,604	0,730	0,825	0,951	1,077	1,203	1,329
84	2,57	4,01	5,45	6,88	8,32	9,40	10,83	12,27	13,71	15,14	16,58
	2,13	0,239	0,373	0,506	0,639	0,773	0,873	1,006	1,140	1,273	1,407

Louver height

Louver width



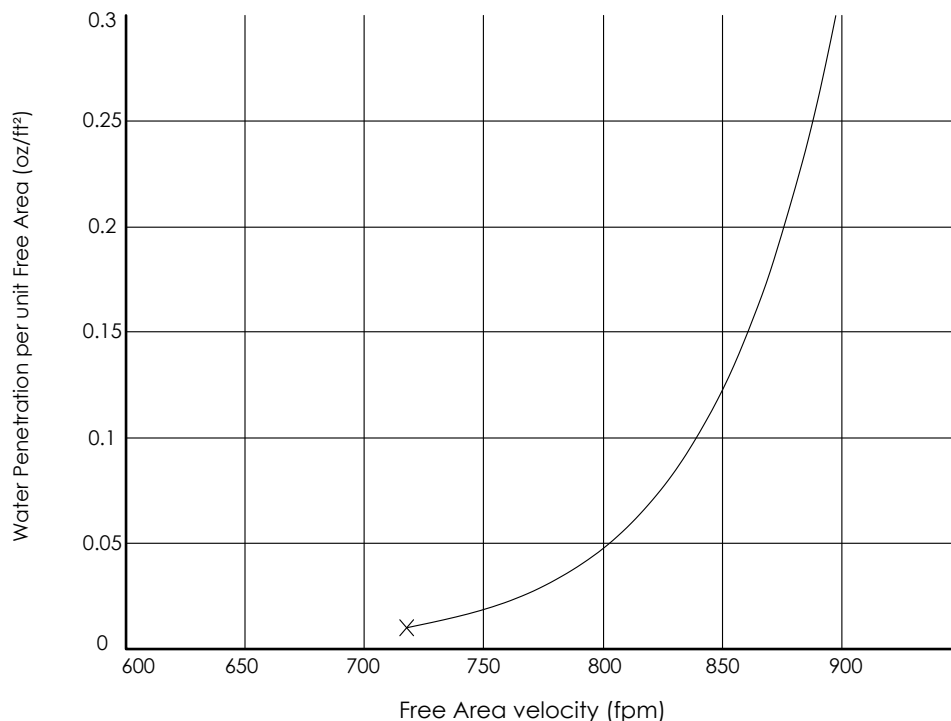
Cométal factory based
in Lévis, province
of Quebec



Basic warranty for
mill finish louver

Water Penetration

Test Size 48 in. x 48 in. (1219 mm x 1219 mm) Test duration of 15 minutes

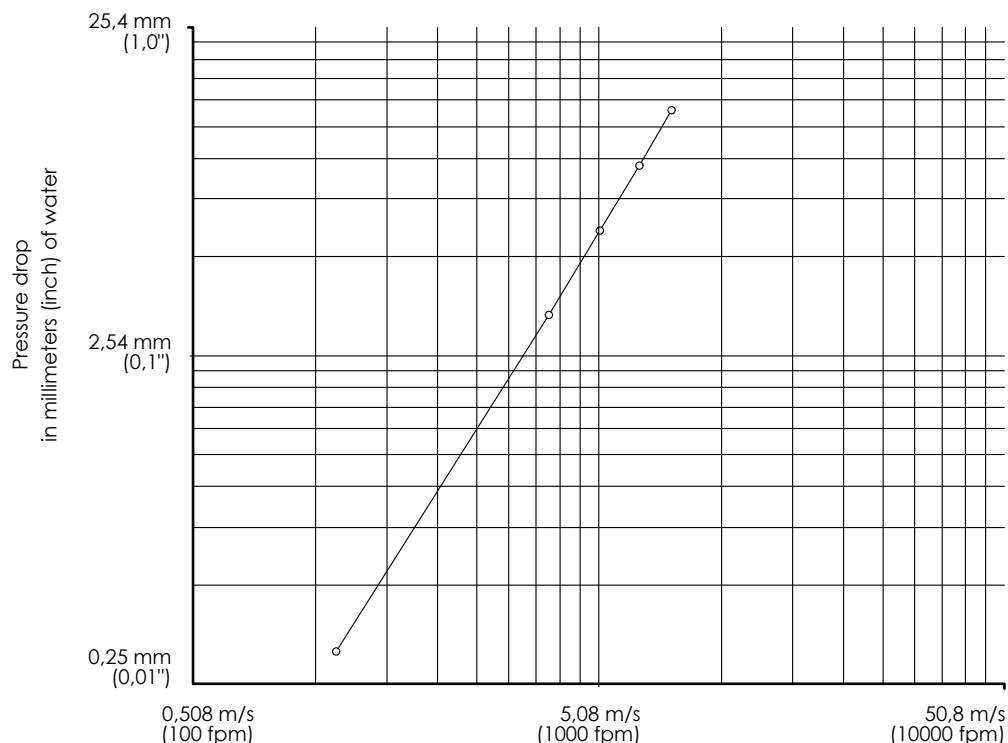


— Water Penetration per Free Area X Beginning of Water Penetration

The AMCA Water Penetration Test provides a method for comparing various louver models and designs as to their efficiency in resisting the penetration of rainfall under specific laboratory test conditions. The beginning point of water penetration is defined as that velocity where the water penetration curve projects through 0.01 oz (3 g) of water (penetration) per sq. ft. (m²) of louver area. ** The beginning point of water penetration for model 102-45 is 717,5 fpm free area velocity. These performance ratings do not guarantee a louver to be waterproof or stormproof and should be used in combination with other factors including good engineering judgement in selecting louver model.

Pressure drop

Test Size 48 in. x 48 in. (1219 mm x 1219 mm)



Air velocity through free area meter per second (feet per minute)

The resistance to airflow (pressure drop) varies depending on louver application (air intake ou air exhaust). Free area velocities (shown) are higher than average velocity through the overall louver size.

CERTIFICATION AMCA



Cometal inc. certifies that the 102-45 louvers shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to Water Penetration and Air ratings. Louver were tested in accordance with AMCA Standard 500-L.

Specifications

Material	Aluminum 6063-T5
Blades	Thickness ,160 mm (0,063")
L frame	Thickness 2,06 mm (0,081")
U frame	Thickness 1,83 mm (0,072")

Available frames

- ☐ "L" frame
- ☐ "U" frame
- ☐ Concealed mullion (continuous blades)
- ☐ Exposed mullions (nested frames)

Available finish

- ☐ Mill
- ☐ Anodized clear 10 microns
- ☐ Anodized clear 18 microns
- ☐ Anodized light bronze
- ☐ Anodized architectural bronze
- ☐ Anodized champagne
- ☐ Anodized black
- ☐ Acrylic polyurethane coating*
- ☐ Liquid super durable coating *
- ☐ Duranar baked enamel *
- ☐ Duranar XL baked enamel*
- ☐ Powder coating *

Color : _____

* Painted on surfaces visible from the outside only

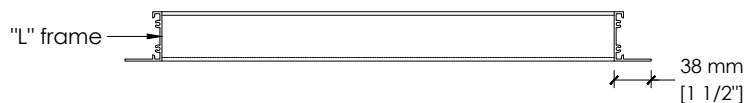
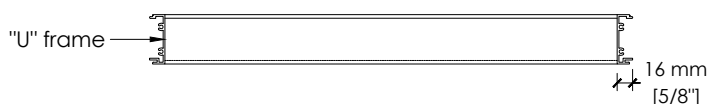
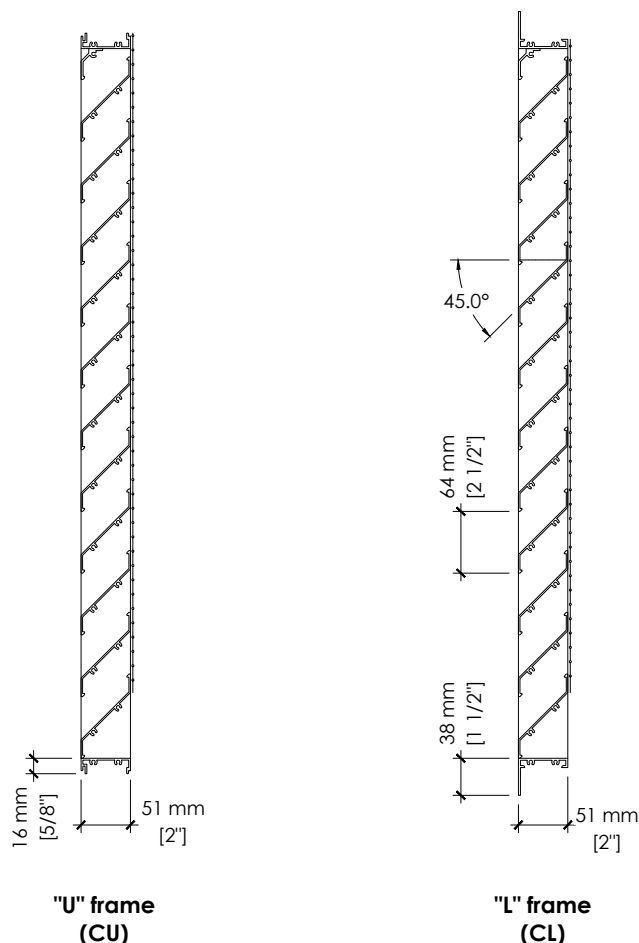
Birdscreens and accessories

- ☐ Galvanized steel (standard)
- ☐ Expanded aluminum
- ☐ Woven aluminum
- ☐ Stainless steel
- ☐ Aluminum mosquito net
- ☐ Fiberglass mosquito net
- ☐ Permanent filter
- ☐ Birdscreen frame
- ☐ Non-insulated obturating panel 0,8 mm [0,032"]
- ☐ Insulated obturating panel 50 mm [2"]

Finish : _____

Color : _____

☐ Others : _____



Project

Name : _____

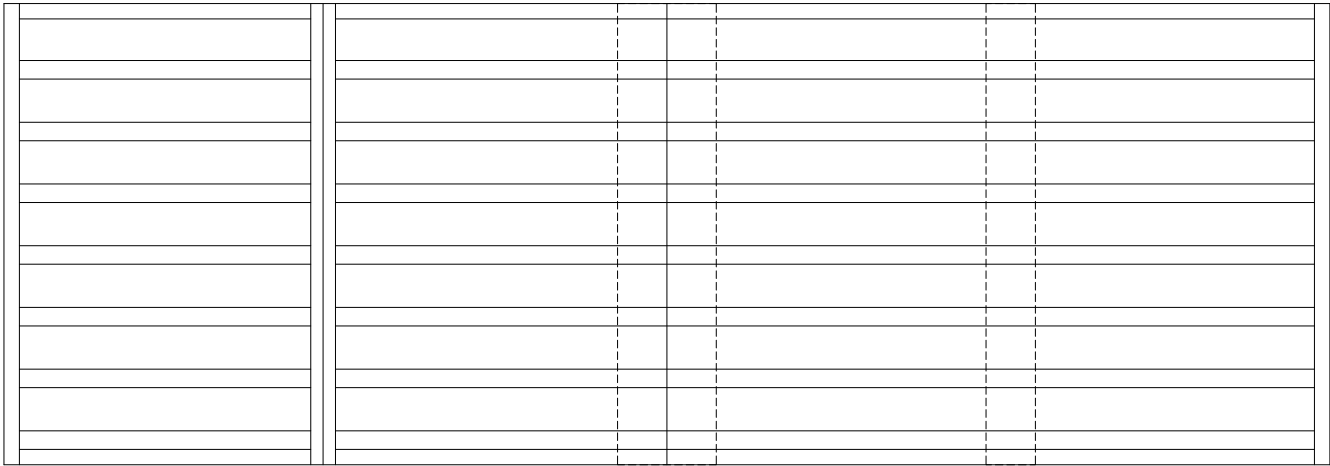
Arch./Eng.: _____

Contractor : _____

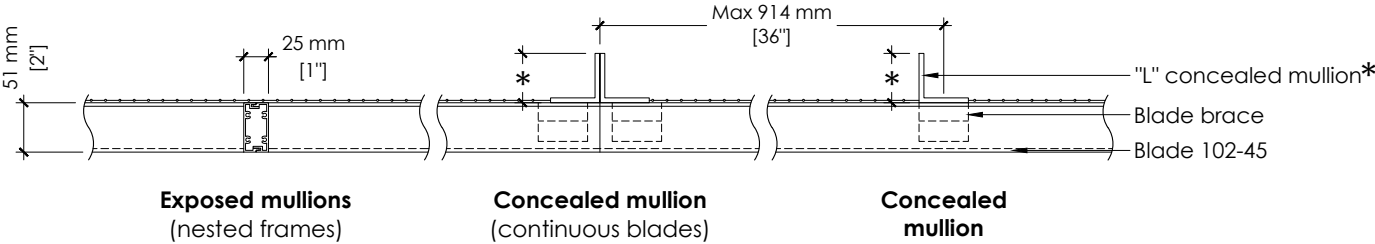
OF / # PO : _____

Date : _____

Elevation (outside view)



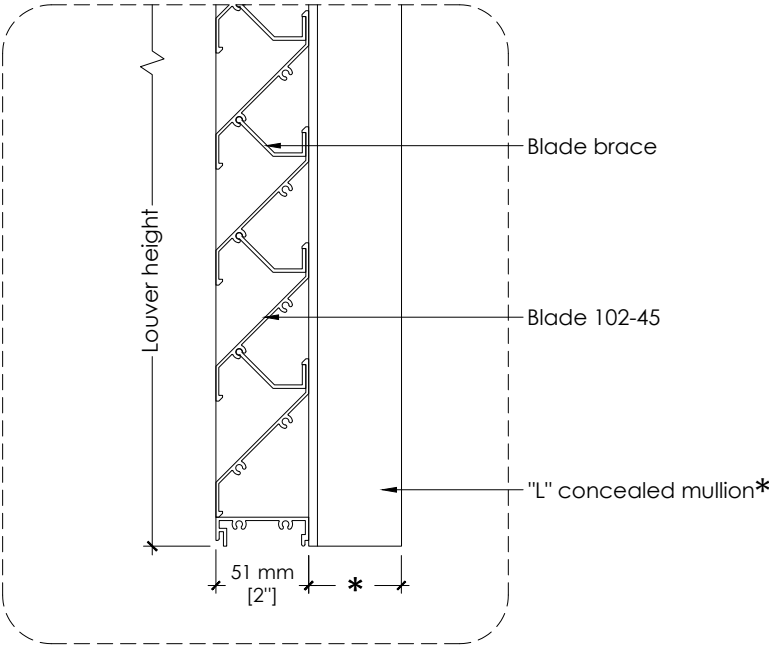
Section



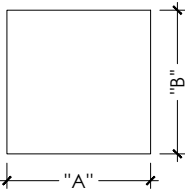
louver concealed mullion

For louvers more than 914 mm (36") wide, a supporting structure is needed behind the louver

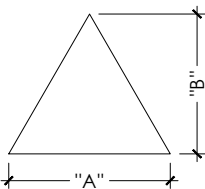
		*Louver concealed mullion dimension
Louver height	Less than 2438 mm (96")	38 x 38 x 4,7 mm angle (1 ½" x 1 ½" x 3/16")
	from 2438 mm (96") to 3658 mm (144")	51 x 51 x 4,7 mm angle (2" x 2" x 3/16")
	more than 3658 mm (144")	Please see the engineering departement



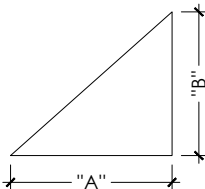
Shapes



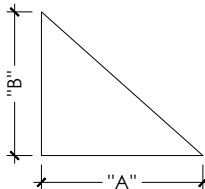
☐ Rectangle / square



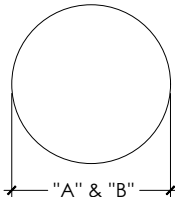
☐ Triangle



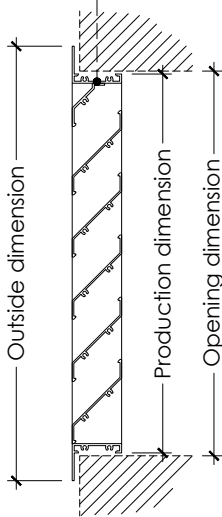
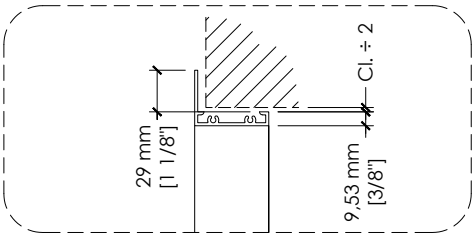
☐ Left triangle



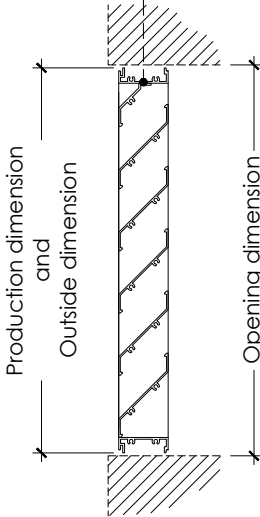
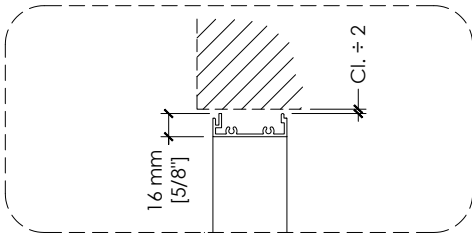
☐ Right triangle



☐ Round



"L" frame (CL)



"U" frame (CU)

☐ Outside dimensions

☐ Opening dimensions

☐ Production dimensions

Item	Qty	Dimensions		Number of sections		Clearance (6 mm (1/4") minimum recommended)	Notes
		Width "A"	Height "B"	wide	High		