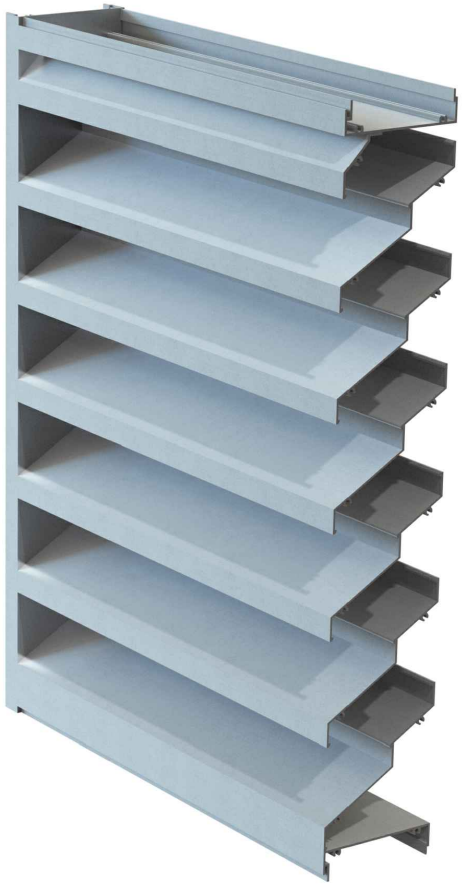
cometal
MÉCANIQUE ARCHITECTURE

Stationary louvers 200 serie MODEL 204-30

Technical sheet 4 in. Weather-resistant blades

Performances (For a louver of 1219 x 1219 mm)

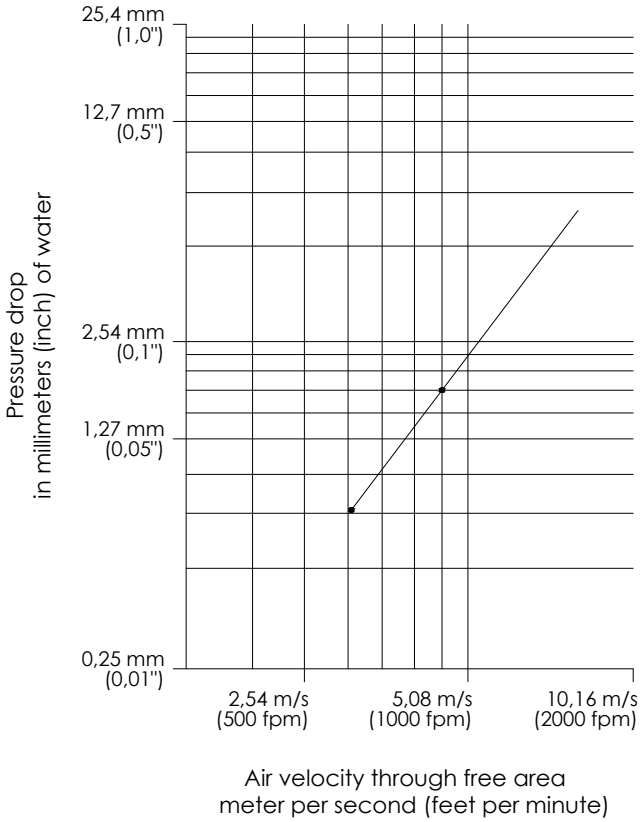
Percentage of free area	48,14 %
Free area	7,70 sq.ft. (0,716 m²)
Water penetration @ 0,010 oz/sq.ft.(3,05 gr/m²) =	644 fpm (3,27 m/s)
Free area intake velocity **@ Pres**sure drop 0,15 in. H_2O (3,81 mm H_2O) =	1030 fpm (5,23 m/s)



Standard specifications

Material	Aluminum 6063-T5
Depth	101,6 mm (4")
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	30°
Center to center	95 mm (3,75")
Birdscreen	Galvanized steel
Finish	Mill finish
Assembly	Mechanical
Hardware	Galvanized steel
Approximate weight	3,03 lbs/sq.ft.

Pressure drop



Free areas table (sq.ft. & m²)

Louver width

Louver height

po / m	**12** 0.30	**18** 0.46	**24** 0.61	**30** 0.76	**36** 0.91	**42** 1.07	**48** 1.22	**54** 1.37	**60** 1.52	**66** 1.68	**72** 1.83
12 0.30	**0.31** 0.029	**0.48** 0.044	**0.64** 0.060	**0.81** 0.075	**0.98** 0.091	**1.14** 0.106	**1.31** 0.122	**1.43** 0.133	**1.60** 0.149	**1.77** 0.164	**1.93** 0.180
18 0.46	**0.74** 0.069	**1.14** 0.106	**1.53** 0.142	**1.93** 0.179	**2.33** 0.216	**2.72** 0.253	**3.12** 0.290	**3.41** 0.317	**3.81** 0.354	**4.21** 0.391	**4.60** 0.427
24 0.61	**0.94** 0.087	**1.43** 0.133	**1.93** 0.180	**2.43** 0.226	**2.93** 0.272	**3.43** 0.319	**3.93** 0.365	**4.30** 0.400	**4.80** 0.446	**5.30** 0.493	**5.80** 0.539
30 0.76	**1.25** 0.116	**1.91** 0.178	**2.58** 0.240	**3.24** 0.301	**3.91** 0.363	**4.58** 0.425	**5.24** 0.487	**5.74** 0.533	**6.41** 0.595	**7.07** 0.657	**7.74** 0.719
36 0.91	**1.52** 0.141	**2.33** 0.216	**3.14** 0.291	**3.95** 0.367	**4.76** 0.442	**5.57** 0.517	**6.38** 0.592	**6.98** 0.649	**7.79** 0.724	**8.60** 0.799	**9.41** 0.874
42 1.07	**1.79** 0.166	**2.74** 0.255	**3.70** 0.343	**4.65** 0.432	**5.60** 0.521	**6.56** 0.609	**7.51** 0.698	**8.23** 0.764	**9.18** 0.853	**10.13** 0.941	**11.09** 1.030
48 1.22	**1.83** 0.170	**2.81** 0.261	**3.79** 0.352	**4.77** 0.443	**5.75** 0.534	**6.72** 0.625	**7.70** 0.716	**8.44** 0.784	**9.41** 0.875	**10.39** 0.965	**11.37** 1.056
54 1.37	**2.34** 0.217	**3.59** 0.333	**4.84** 0.449	**6.08** 0.565	**7.33** 0.681	**8.58** 0.797	**9.83** 0.913	**10.76** 1.000	**12.01** 1.116	**13.26** 1.232	**14.51** 1.348
60 1.52	**2.65** 0.246	**4.07** 0.378	**5.48** 0.509	**6.89** 0.640	**8.31** 0.772	**9.72** 0.903	**11.14** 1.035	**12.20** 1.133	**13.61** 1.265	**15.03** 1.396	**16.44** 1.527
66 1.68	**2.96** 0.275	**4.54** 0.422	**6.12** 0.569	**7.71** 0.716	**9.29** 0.863	**10.87** 1.009	**12.45** 1.156	**13.63** 1.266	**15.21** 1.413	**16.79** 1.560	**18.37** 1.707
72 1.83	**3.24** 0.301	**4.97** 0.461	**6.69** 0.622	**8.42** 0.782	**10.15** 0.943	**11.87** 1.103	**13.60** 1.264	**14.90** 1.384	**16.62** 1.544	**18.35** 1.705	**20.08** 1.865
78 1.98	**3.51** 0.326	**5.38** 0.500	**7.25** 0.674	**9.12** 0.847	**10.99** 1.021	**12.86** 1.195	**14.73** 1.369	**16.14** 1.499	**18.01** 1.673	**19.88** 1.847	**21.75** 2.021
84 2.13	**3.78** 0.351	**5.79** 0.538	**7.81** 0.725	**9.82** 0.913	**11.84** 1.100	**13.85** 1.287	**15.87** 1.474	**17.38** 1.615	**19.40** 1.802	**21.41** 1.989	**23.43** 2.176

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Stationary louvers 200 serie MODEL 204-30

Approval drawing 4 in. Weather-resistant blades

Specifications

Material	Aluminum 6063-T5
Blades	Thickness 1,60 mm (0,063")
L frame	Thickness 2,06 mm (0,081")
U frame	Thickness 1,83 mm (0,072")

Available frames

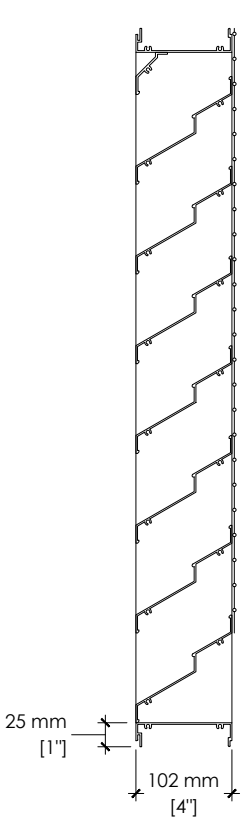
- ☐ **"L" frame**
- ☐ **"U" frame**
- ☐ **Concealed mullion (continuous blades)**
- ☐ **Exposed mullions (nested frames)**

Available finish

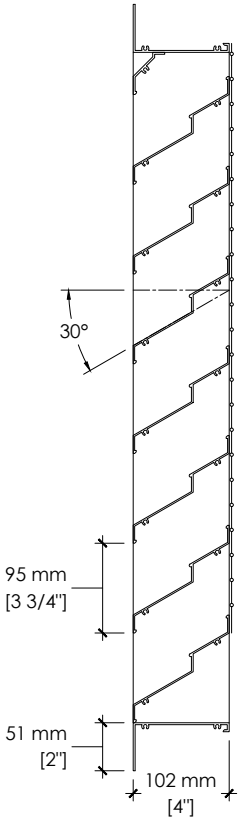
- ☐ **Mill**
- ☐ **Anodized clear 10 microns**
- ☐ **Anodized clear 18 microns**
- ☐ **Anodized light bronze**
- ☐ **Anodized architectural bronze**
- ☐ **Anodized champagne**
- ☐ **Anodized black**
- ☐ **Acrylic polyurethane coating***
- ☐ **Liquid super durable coating ***
- ☐ **Duranar baked enamel***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

Color : _____

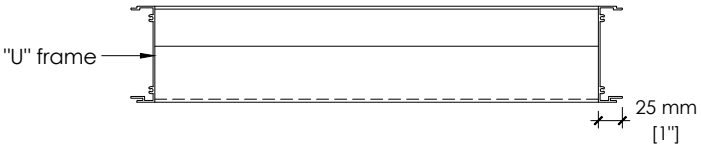
**Painted on surfaces visible from the outside only*

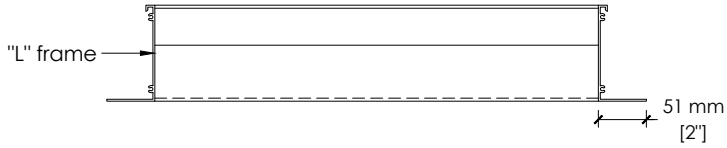


"U" frame (CU)



"L" frame (CL)





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 : _____

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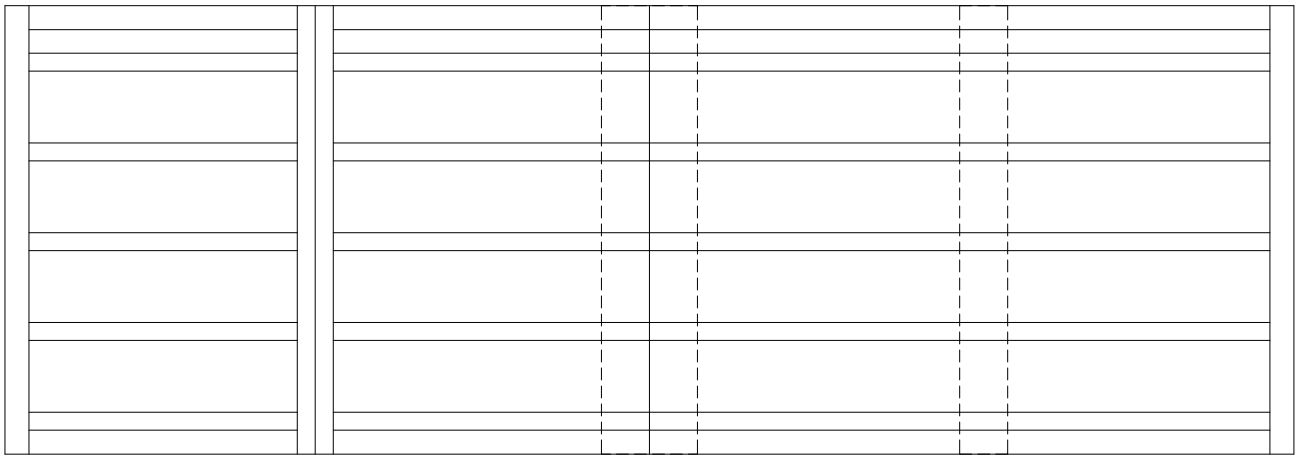
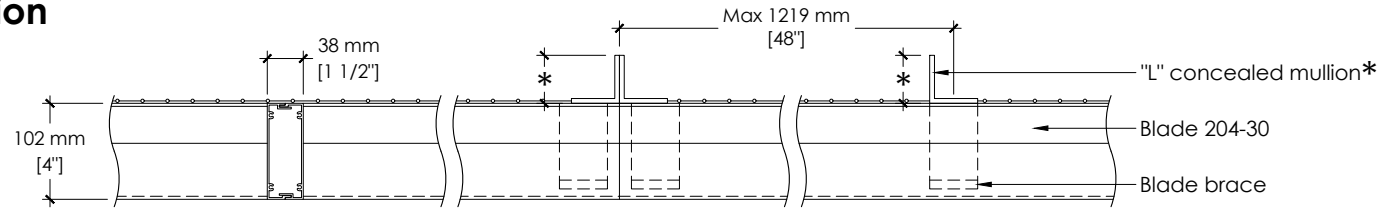
Approval drawing 4 in. Weather-resistant blades

Elevation (outside view)



Section

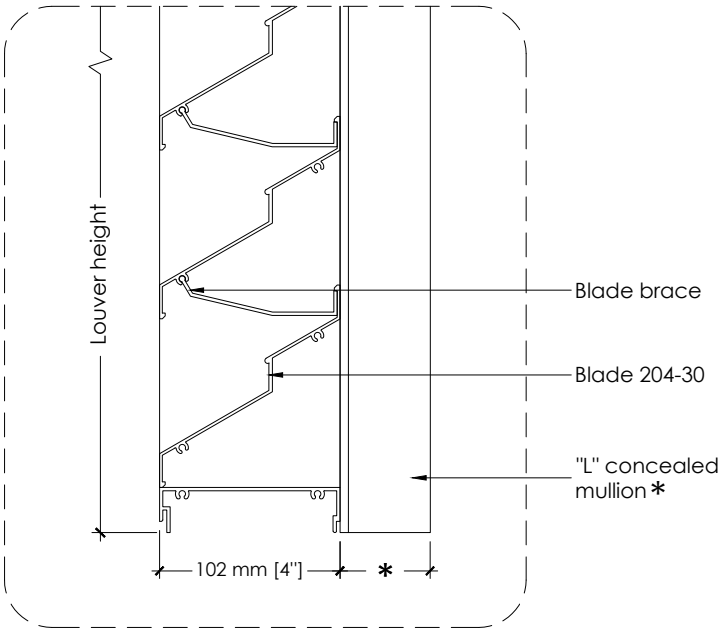


Exposed mullions (**nes**ted frames) | **Concealed mullion** (continuous blades) | **Concealed mullion**

louver concealed mullion

For louvers more than 1220 mm (48") wide, a supporting structure is needed behing 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



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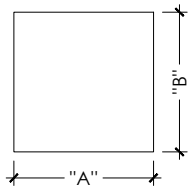
Stationary louvers 200 serie

MODEL 204-30

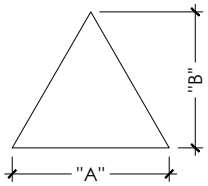
Approval drawing

4 in. Weather-resistant blades

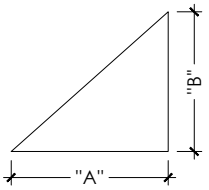
Shapes



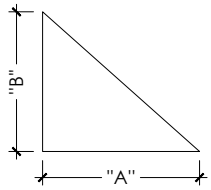
☐ **Rectangle / square**



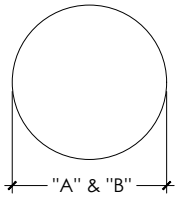
☐ **Triangle**



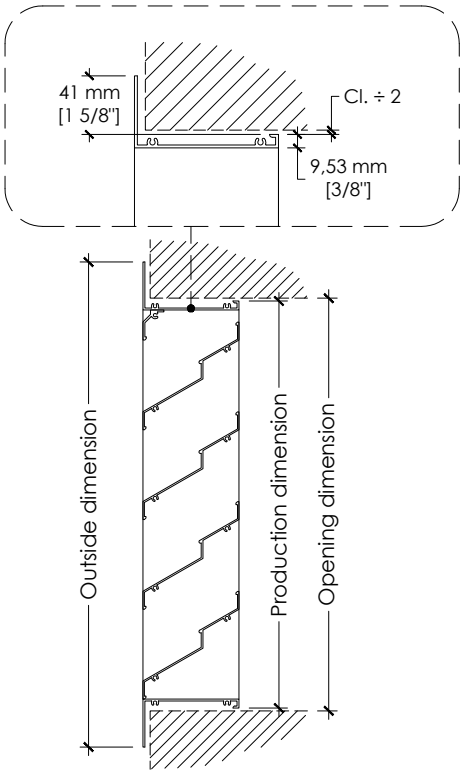
☐ **Left triangle**



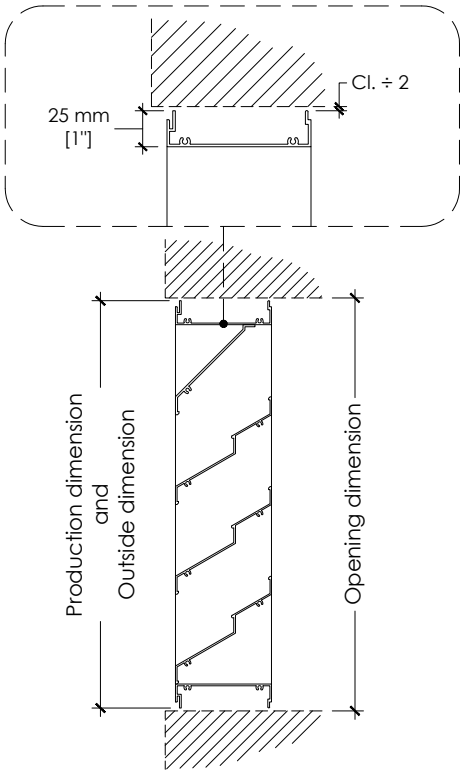
☐ **Right triangle**



☐ **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		