cometal
MÉCANIQUE ARCHITECTURE

Stationary louvers 400 serie MODEL 404-40

Technical sheet 4 in. Blade

Performances (For a louver of 1219 x 1219 mm)

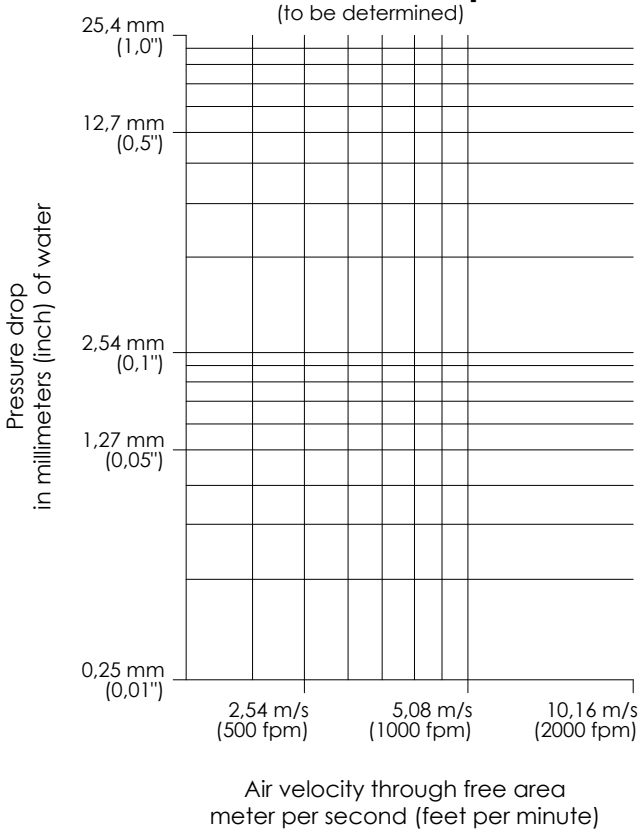
Percentage of free area	44,47 %
Free area	7,11sq.ft. (0,661 m²)
Water penetration @ 0,010 oz/sq.ft.(3,05 gr/m²) =	to be determined
Free area intake velocity **@ Pres**sure drop 0,15 in. H_2O (3,81 mm H_2O) =	to be determined

Standard specifications

Material	Aluminum 6063-T5
Depth	101,6 mm (4")
Blade thickness	2,06 mm (0,081")
"L" frame thickness	2,06 mm (0,081")
"U" frame thickness	1,83 mm (0,072")
Blades angle	40°
Center to center	76,20 mm (3")
Birdscreen	Galvanized steel
Finish	Mill finish
Assembly	Mechanical
Hardware	Galvanized steel
Approximate weight	4,16 lbs/sq.ft.

Pressure drop

(to be determined)



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	**0.34** / 0.031	**0.52** / 0.048	**0.70** / 0.065	**0.88** / 0.082	**1.06** / 0.099	**1.24** / 0.115	**1.42** / 0.132	**1.56** / 0.145	**1.74** / 0.162	**1.92** / 0.178	**2.10** / 0.195
18 / 0.46	**0.56** / 0.052	**0.87** / 0.080	**1.17** / 0.108	**1.47** / 0.136	**1.77** / 0.164	**2.07** / 0.192	**2.37** / 0.220	**2.60** / 0.241	**2.90** / 0.269	**3.20** / 0.297	**3.50** / 0.325
24 / 0.61	**0.79** / 0.073	**1.21** / 0.113	**1.63** / 0.152	**2.06** / 0.191	**2.48** / 0.230	**2.90** / 0.269	**3.32** / 0.308	**3.64** / 0.338	**4.06** / 0.377	**4.48** / 0.416	**4.90** / 0.455
30 / 0.76	**1.02** / 0.094	**1.56** / 0.145	**2.10** / 0.195	**2.64** / 0.246	**3.18** / 0.296	**3.73** / 0.346	**4.27** / 0.397	**4.68** / 0.434	**5.22** / 0.485	**5.76** / 0.535	**6.30** / 0.585
36 / 0.91	**1.24** / 0.115	**1.90** / 0.177	**2.57** / 0.239	**3.23** / 0.300	**3.89** / 0.362	**4.55** / 0.423	**5.22** / 0.485	**5.71** / 0.531	**6.38** / 0.592	**7.04** / 0.654	**7.70** / 0.716
42 / 1.07	**1.47** / 0.136	**2.25** / 0.209	**3.03** / 0.282	**3.82** / 0.355	**4.60** / 0.427	**5.38** / 0.500	**6.17** / 0.573	**6.75** / 0.627	**7.54** / 0.700	**8.32** / 0.773	**9.10** / 0.846
48 / 1.22	**1.69** / 0.157	**2.60** / 0.241	**3.50** / 0.325	**4.40** / 0.409	**5.31** / 0.493	**6.21** / 0.577	**7.11** / 0.661	**7.79** / 0.724	**8.70** / 0.808	**9.60** / 0.892	**10.50** / 0.976
54 / 1.37	**1.92** / 0.178	**2.94** / 0.273	**3.97** / 0.369	**4.99** / 0.464	**6.02** / 0.559	**7.04** / 0.654	**8.06** / 0.749	**8.83** / 0.820	**9.86** / 0.916	**10.88** / 1.011	**11.90** / 1.106
60 / 1.52	**2.15** / 0.199	**3.29** / 0.306	**4.43** / 0.412	**5.58** / 0.518	**6.72** / 0.625	**7.87** / 0.731	**9.01** / 0.837	**9.87** / 0.917	**11.01** / 1.023	**12.16** / 1.130	**13.30** / 1.236
66 / 1.68	**2.37** / 0.220	**3.64** / 0.338	**4.90** / 0.455	**6.17** / 0.573	**7.43** / 0.690	**8.70** / 0.808	**9.96** / 0.925	**10.91** / 1.013	**12.17** / 1.131	**13.44** / 1.249	**14.70** / 1.366
72 / 1.83	**2.60** / 0.241	**3.98** / 0.370	**5.37** / 0.499	**6.75** / 0.627	**8.14** / 0.756	**9.52** / 0.885	**10.91** / 1.013	**11.95** / 1.110	**13.33** / 1.239	**14.72** / 1.367	**16.10** / 1.496
78 / 1.98	**2.82** / 0.262	**4.33** / 0.402	**5.83** / 0.542	**7.34** / 0.682	**8.85** / 0.822	**10.35** / 0.962	**11.86** / 1.102	**12.99** / 1.207	**14.49** / 1.346	**16.00** / 1.486	**17.50** / 1.626
84 / 2.13	**3.05** / 0.283	**4.68** / 0.434	**6.30** / 0.585	**7.93** / 0.737	**9.55** / 0.888	**11.18** / 1.039	**12.81** / 1.190	**14.03** / 1.303	**15.65** / 1.454	**17.28** / 1.605	**18.90** / 1.756

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Approval drawing 4 in. Blade

Specifications

Material	Aluminum 6063-T5
Blades	Thickness 2,06 mm (0,081")
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*

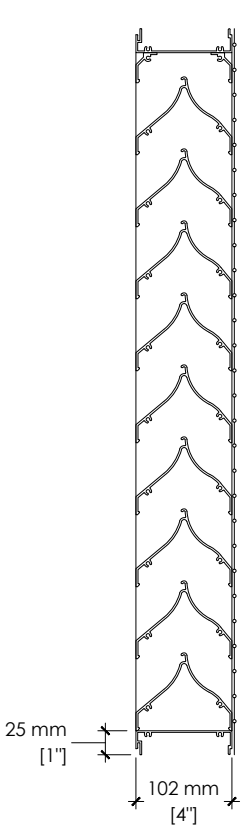
Birdscreens and accessories

- ☐ **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"]**

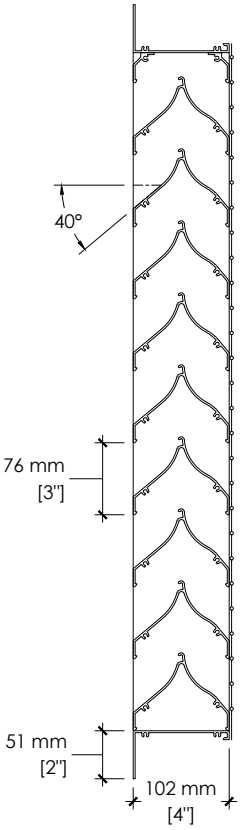
Finish : _____

Color : _____

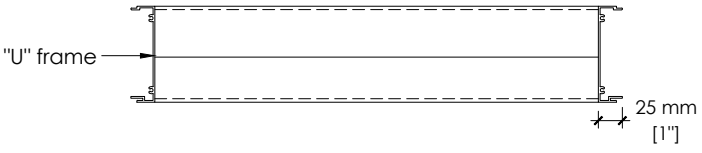
☐ **Others :** _____

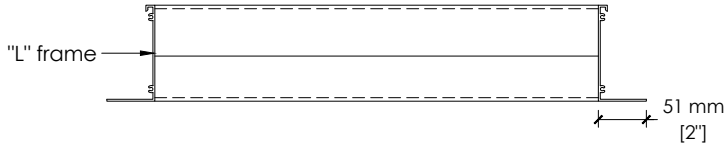


"U" frame (CU)



"L" frame (CL)





Project

Name : _____

Arch./Eng.: _____

Contractor : _____

 # OF / # PO : _____

Date : _____

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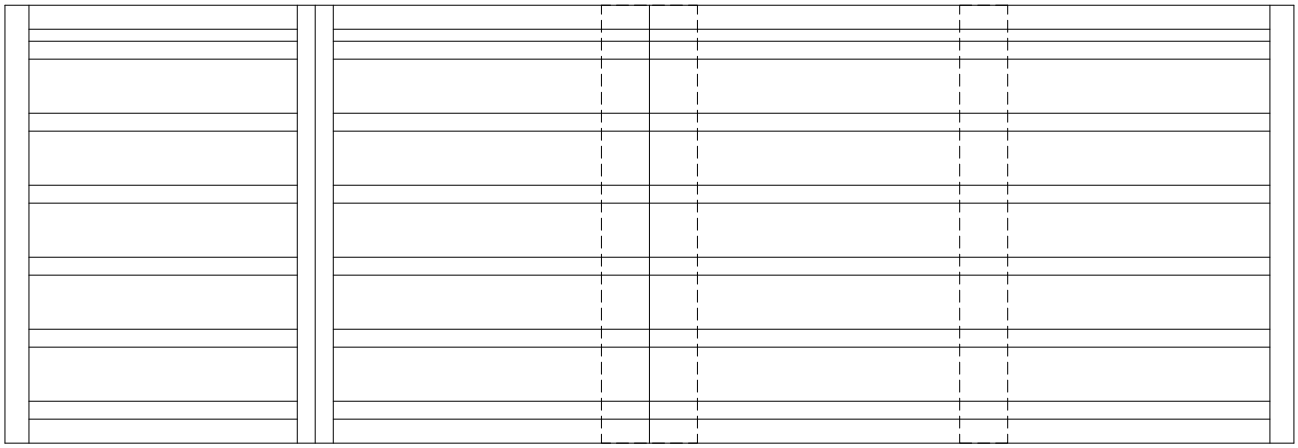
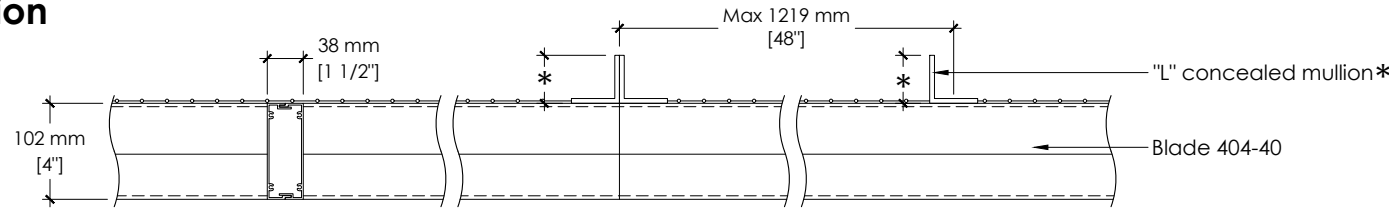
Approval drawing 4 in. Blade

Elevation (outside view)



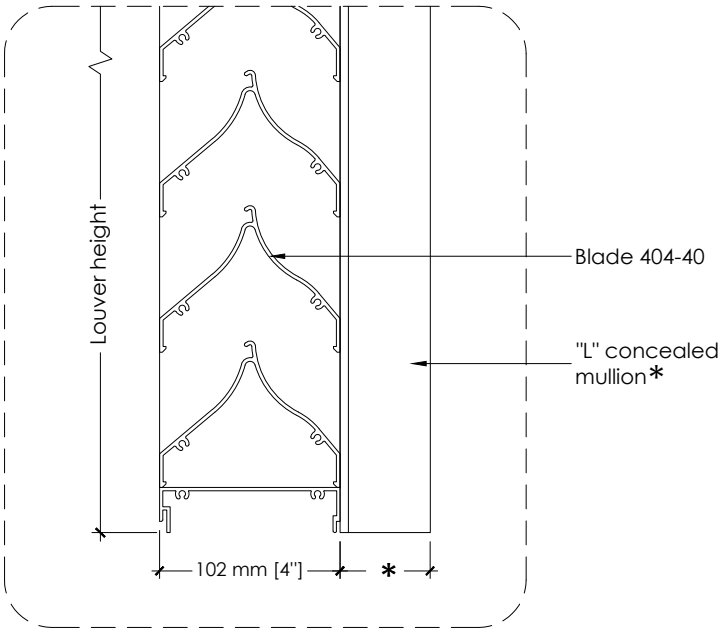
Section



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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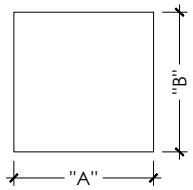
Stationary louvers 400 serie

MODEL 404-40

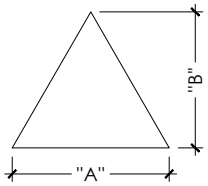
Approval drawing

4 in. Blade

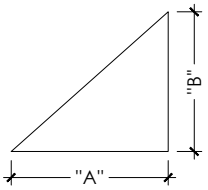
Shapes



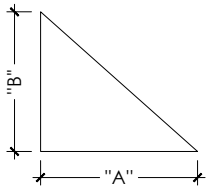
☐ **Rectangle / square**



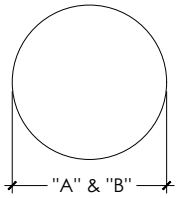
☐ **Triangle**



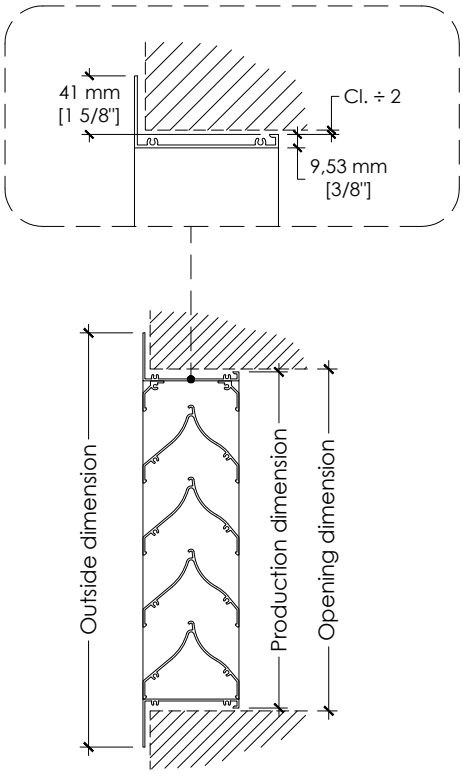
☐ **Left triangle**



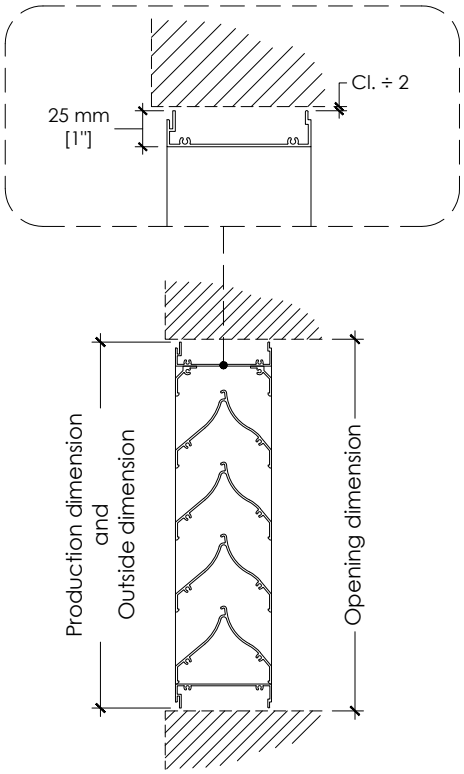
☐ **Right triangle**



☐ **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		