cometal
MÉCANIQUE ARCHITECTURE

# Stationary louvers D serie — MODEL 106-35D

***Technical sheet***

6 in. Drainable blade

## Performance Ratings*

| Performance of 48 in. x 48 in. (1219 x 1219 mm) Louver | |
|---|---|
| **Percentage of free area** | 61,125 % |
| **Free area** | 9,78 sq.ft. (0,9086 m²) |
| **Water penetration** @ 0,010 oz/sq.ft.(3,05 gr/m²) = | 770,7 fpm (3,915 m/s) |
| **Free area intake velocity @ Pressure** drop 0,15 in. $H_2O$ (3,81 mm $H_2O$) = | 1018 fpm (5,17 m/s) |

*performance ratings exclued bird screen and other accessories.

## Standard specifications

| | |
|---|---|
| **Material** | Aluminum 6063-T5 |
| **Depth** | 152,4 mm (6") |
| **Blade thickness** | 2,06 mm (0,081") |
| **"L" frame thickness** | 2,50 mm (0,098") |
| **"U" frame thickness** | 2,50 mm (0,098") |
| **Blades angle** | 35° |
| **Center to center** | 88,9 mm (3,50") |
| **Birdscreen** | Galvanized steel |
| **Finish** | Mill finish |
| **Assembly** | Mechanical |
| **Hardware** | Galvanized steel |
| **Approximate weight** | 4,31 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 areas table (sq.ft. & m²)

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 | **0,36** / 0,033 | **0,57** / 0,053 | **0,78** / 0,073 | **1,00** / 0,093 | **1,21** / 0,113 | **1,43** / 0,132 | **1,64** / 0,152 | **1,80** / 0,167 | **2,01** / 0,187 | **2,23** / 0,207 | **2,44** / 0,227 |
| **18** / 0,46 | **0,71** / 0,066 | **1,14** / 0,106 | **1,57** / 0,145 | **1,99** / 0,185 | **2,42** / 0,225 | **2,85** / 0,264 | **3,27** / 0,304 | **3,59** / 0,334 | **4,02** / 0,373 | **4,45** / 0,413 | **4,87** / 0,453 |
| **24** / 0,61 | **1,00** / 0,093 | **1,61** / 0,149 | **2,21** / 0,205 | **2,81** / 0,261 | **3,41** / 0,317 | **4,02** / 0,373 | **4,62** / 0,429 | **5,07** / 0,471 | **5,67** / 0,527 | **6,28** / 0,583 | **6,88** / 0,639 |
| **30** / 0,76 | **1,30** / 0,121 | **2,08** / 0,193 | **2,85** / 0,265 | **3,63** / 0,337 | **4,41** / 0,410 | **5,19** / 0,482 | **5,97** / 0,554 | **6,55** / 0,609 | **7,33** / 0,681 | **8,11** / 0,753 | **8,89** / 0,826 |
| **36** / 0,91 | **1,59** / 0,148 | **2,55** / 0,236 | **3,50** / 0,325 | **4,45** / 0,414 | **5,41** / 0,502 | **6,36** / 0,591 | **7,32** / 0,680 | **8,03** / 0,746 | **8,99** / 0,835 | **9,94** / 0,924 | **10,90** / 1,012 |
| **42** / 1,07 | **1,95** / 0,181 | **3,11** / 0,289 | **4,28** / 0,398 | **5,45** / 0,506 | **6,61** / 0,614 | **7,78** / 0,723 | **8,95** / 0,831 | **9,82** / 0,913 | **10,99** / 1,021 | **12,16** / 1,130 | **13,33** / 1,238 |
| **48** / 1,22 | **2,24** / 0,208 | **3,58** / 0,333 | **4,92** / 0,457 | **6,27** / 0,582 | **7,61** / 0,707 | **8,95** / 0,832 | **9,78** / 0,909 | **11,30** / 1,050 | **12,65** / 1,175 | **13,99** / 1,300 | **15,33** / 1,424 |
| **54** / 1,37 | **2,53** / 0,235 | **4,05** / 0,376 | **5,57** / 0,517 | **7,09** / 0,659 | **8,61** / 0,800 | **10,13** / 0,941 | **11,65** / 1,082 | **12,79** / 1,188 | **14,30** / 1,329 | **15,82** / 1,470 | **17,34** / 1,611 |
| **60** / 1,52 | **2,89** / 0,268 | **4,62** / 0,429 | **6,35** / 0,590 | **8,08** / 0,751 | **9,81** / 0,912 | **11,55** / 1,073 | **13,28** / 1,234 | **14,58** / 1,354 | **16,31** / 1,515 | **18,04** / 1,676 | **19,77** / 1,837 |
| **66** / 1,68 | **3,18** / 0,295 | **5,09** / 0,473 | **6,99** / 0,650 | **8,90** / 0,827 | **10,81** / 1,004 | **12,72** / 1,182 | **14,63** / 1,359 | **16,06** / 1,492 | **17,96** / 1,669 | **19,87** / 1,846 | **21,78** / 2,023 |
| **72** / 1,83 | **3,47** / 0,323 | **5,56** / 0,516 | **7,64** / 0,710 | **9,72** / 0,903 | **11,81** / 1,097 | **13,89** / 1,290 | **15,97** / 1,484 | **17,54** / 1,629 | **19,62** / 1,823 | **21,70** / 2,016 | **23,79** / 2,210 |
| **78** / 1,98 | **3,77** / 0,350 | **6,03** / 0,560 | **8,28** / 0,770 | **10,54** / 0,980 | **12,80** / 1,190 | **15,06** / 1,399 | **17,32** / 1,609 | **19,02** / 1,767 | **21,28** / 1,977 | **23,54** / 2,187 | **25,80** / 2,397 |
| **84** / 2,13 | **4,12** / 0,383 | **6,59** / 0,612 | **9,07** / 0,842 | **11,54** / 1,072 | **14,01** / 1,302 | **16,48** / 1,531 | **18,95** / 1,761 | **20,81** / 1,933 | **23,28** / 2,163 | **25,75** / 2,393 | **28,23** / 2,622 |

Louver width

Proudly made in Canada

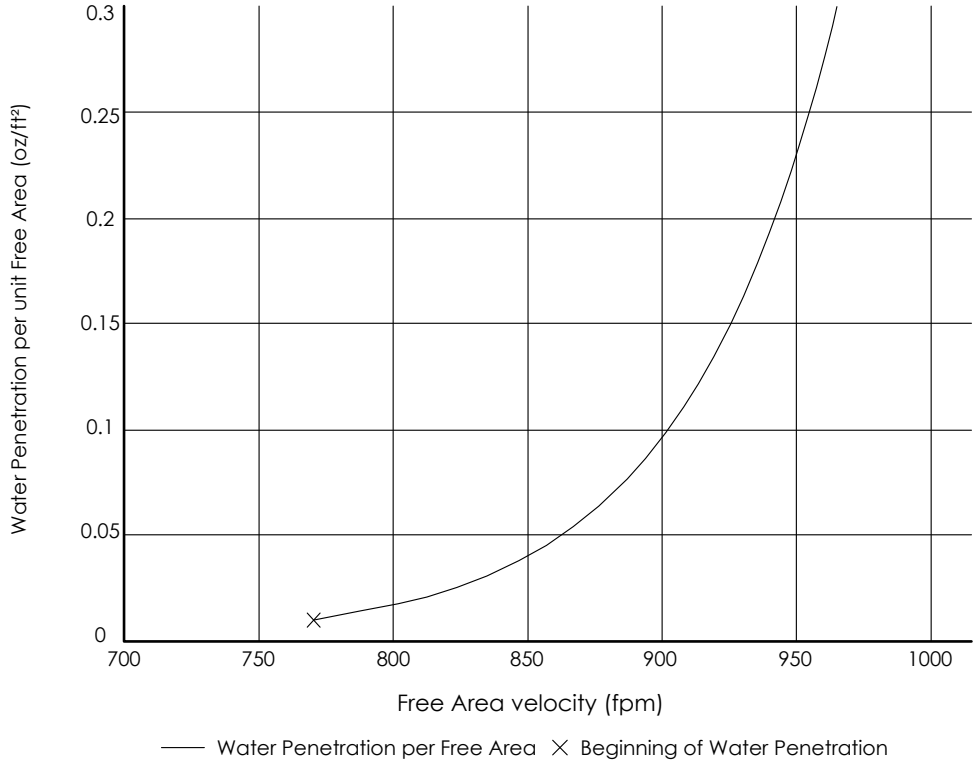
Cométal factory based in Lévis, province of Quebec

10 Year Limited Warranty

Basic warranty for mill finish louver

*ALL LISTED SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE*

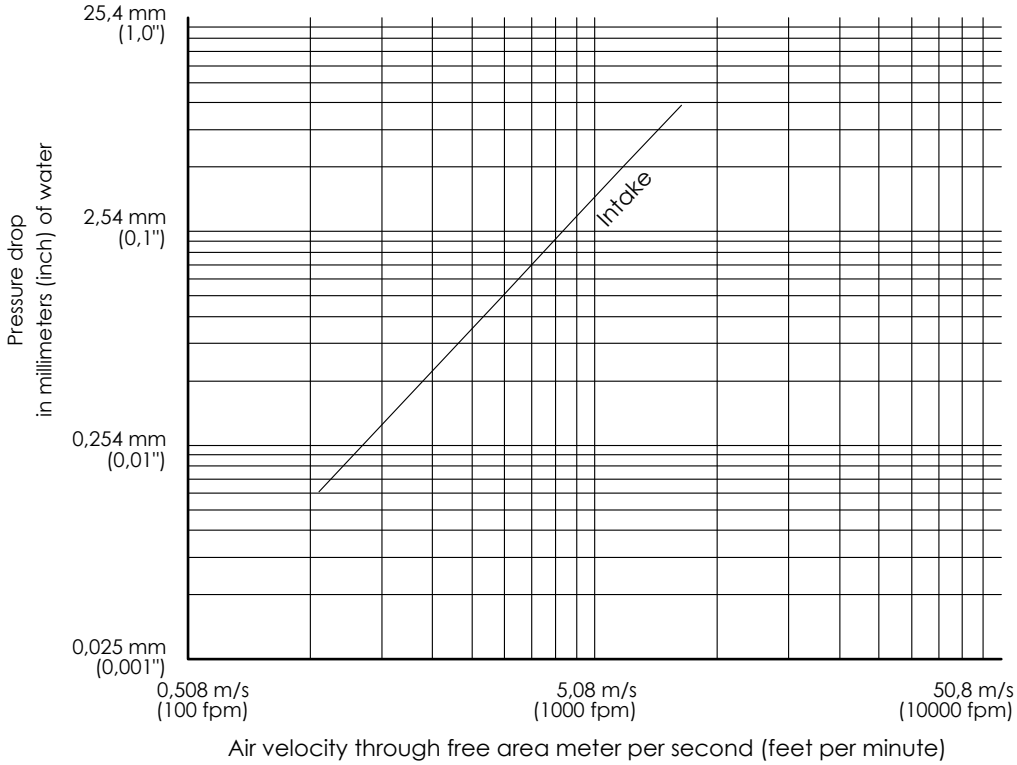
## Water Penetration




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 penetation 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 106-35D is 770,7 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)




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

### CERTIFICATION AMCA

Cométal inc. certifies that the 106-35D 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.

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# Stationary louvers D serie MODEL 106-35D

***Approval drawing*** 6 in. Drainable blade

## Specifications

| | |
|---|---|
| **Material** | Aluminum 6063-T6 |
| **Blades** | Thickness 2,06 mm (0,081") |
| **L frame** | Thickness 2,50 mm (0,098") |
| **U frame** | Thickness 2,50 mm (0,098") |

## Available frames

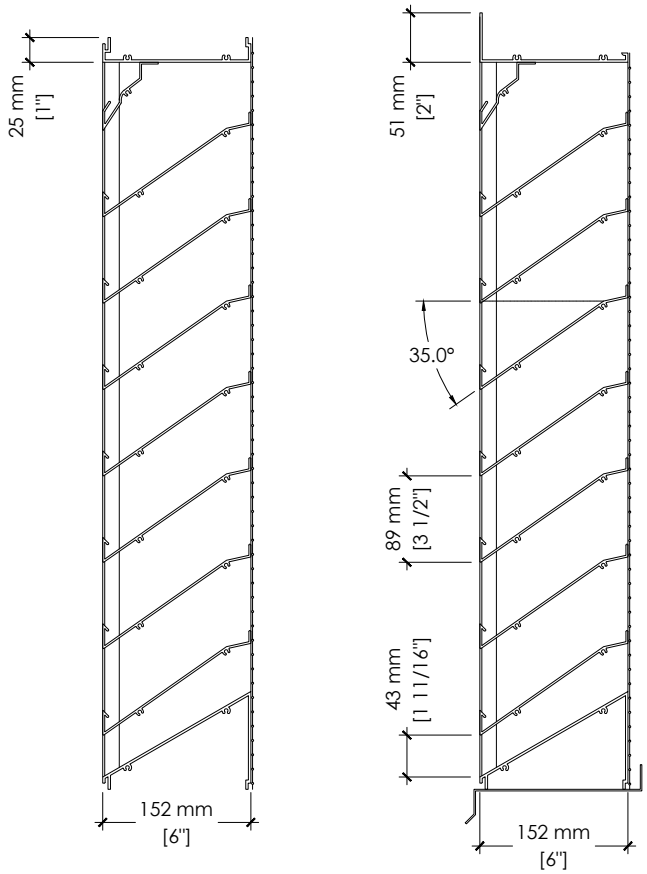
- ☐ **"L" frame**
- ☐ **"U" frame**
- ☐ **Concealed mullion (continuous blades)**
- ☐ **Exposed mullions (nested frames)**

## Available finish

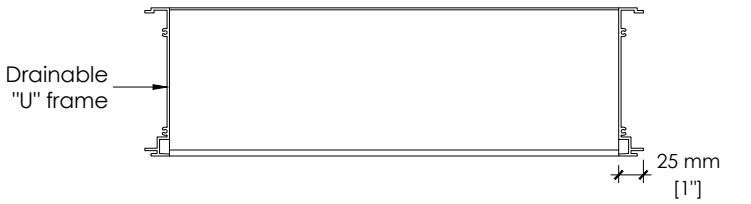
- ☐ **Mill**
- ☐ **Anodized clear 10 microns**
- ☐ **Anodized clear 18 microns**
- ☐ **Anodized light bronze**
- ☐ **Anodized architectural bronze**
- ☐ **Anodized champagne**
- ☐ **Anodized black**
- ☐ **Acrylic polyurethane coating***
- ☐ **Liquid super durable coating ***
- ☐ **Duranar baked enamel***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

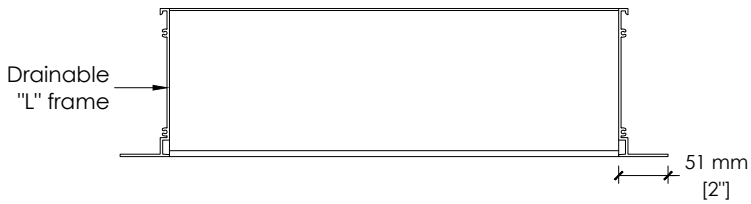
Color : _____

* *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 :** _____

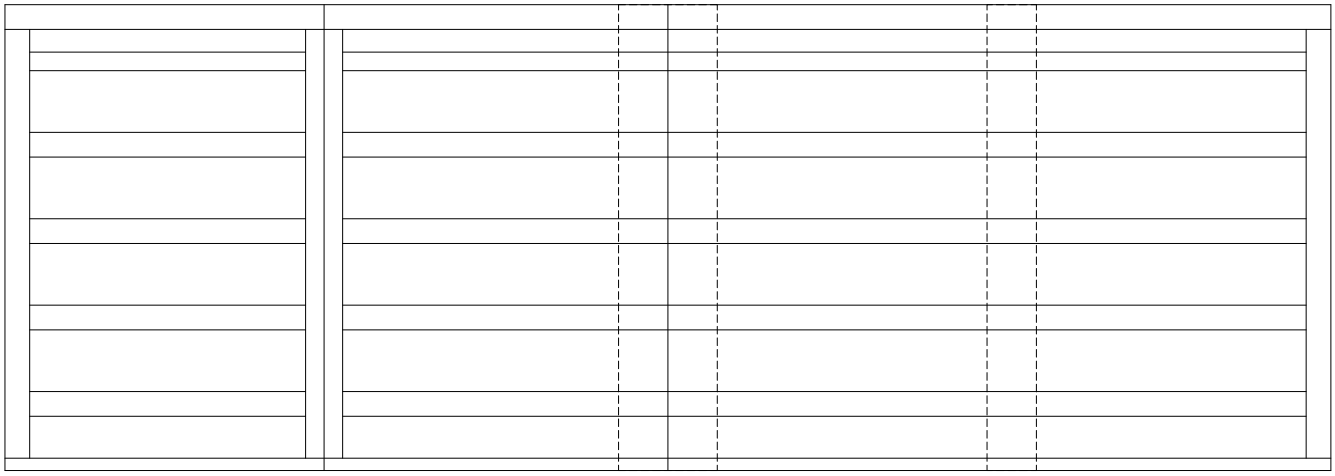
**Arch./Eng.:** _____

**Contractor :** _____

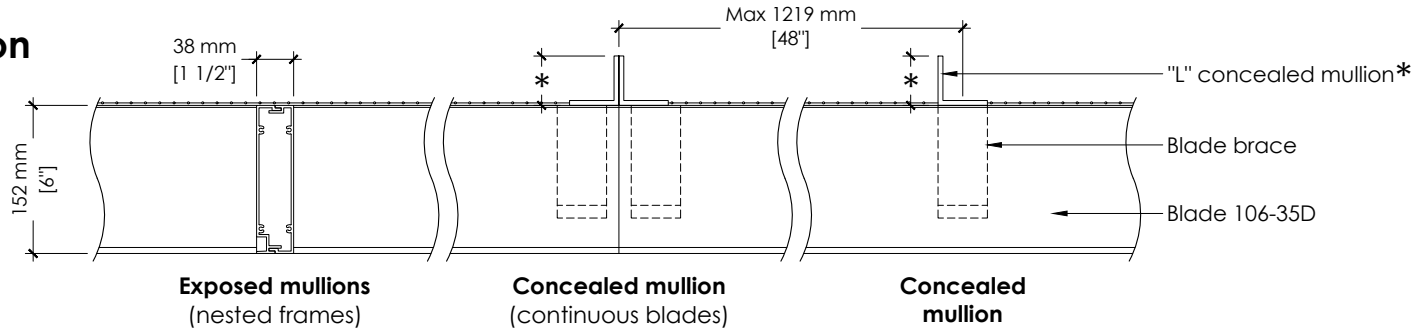
**# OF / # PO :** _____

**Date :** _____

## Elevation (outside view)



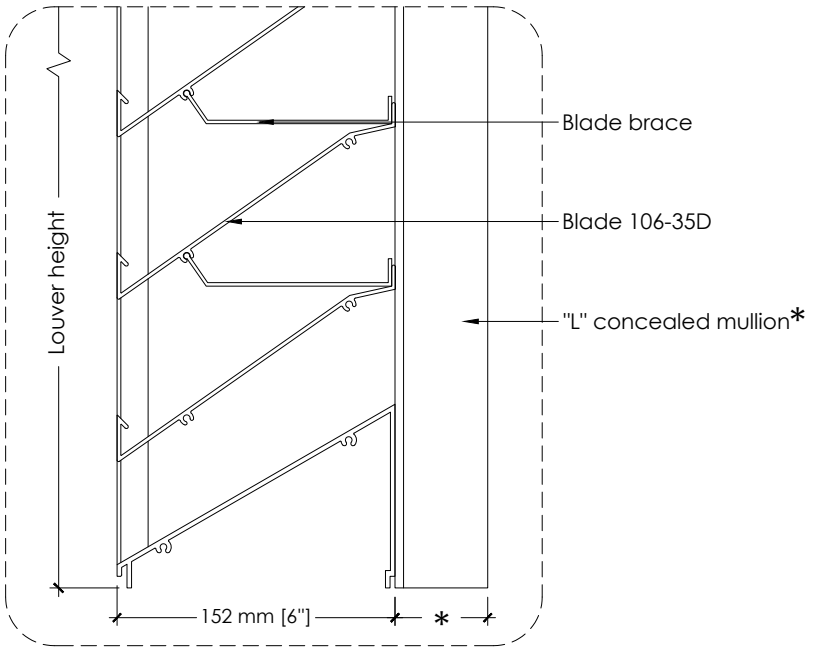
## Section




## louver concealed mullion

For louvers more than 1219 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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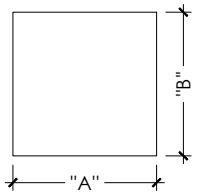
# Stationary louvers D serie

MODEL 106-35D

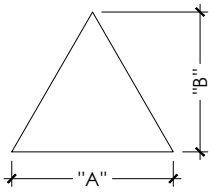
***Approval drawing***

drainable blade 6"

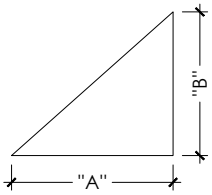
## Shapes



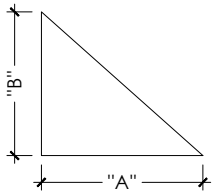

☐ **Rectangle / square**



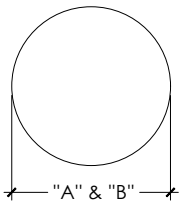

☐ **Triangle**



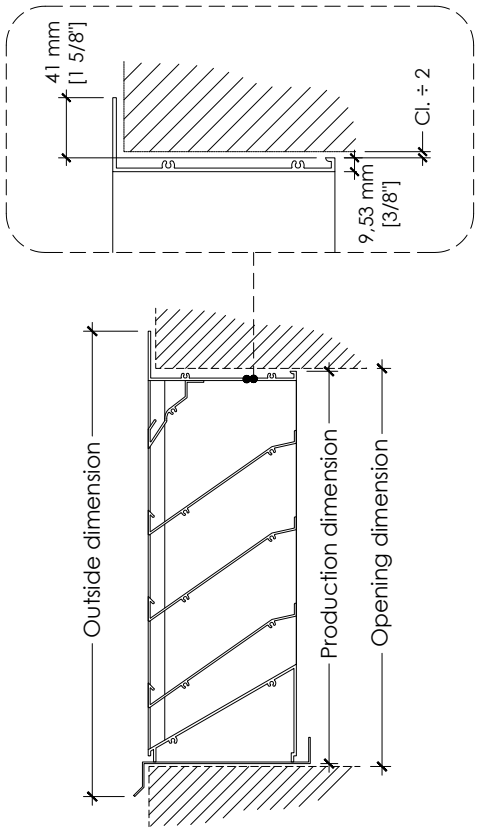

☐ **Left triangle**



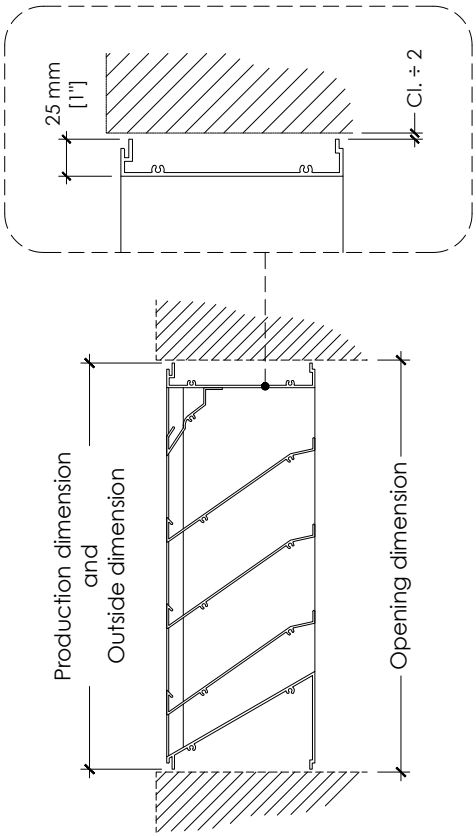

☐ **Right triangle**




☐ **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 | | |
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