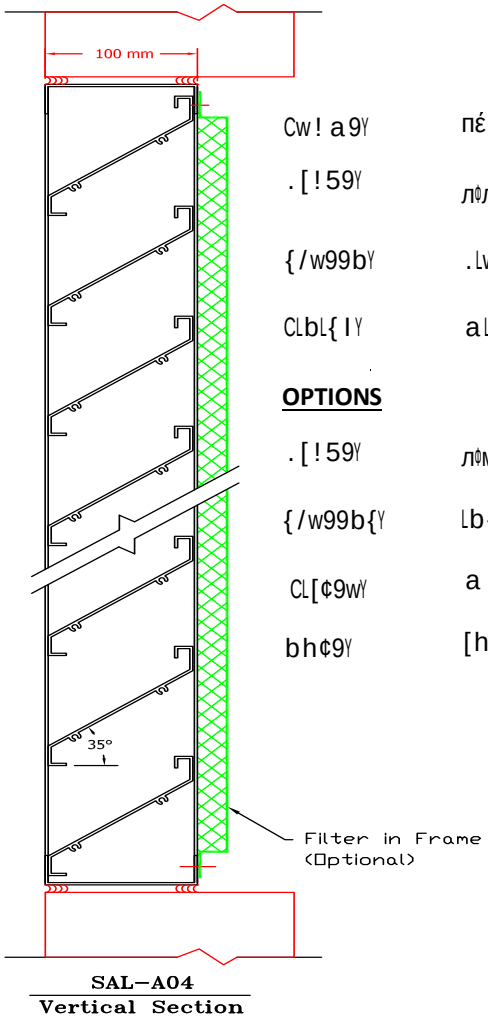
ARCHITECTURAL ALUMINUM LOUVERS
SAL-A04



SAL–A04
Vertical Section

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STANDARD SPECIFCATIONS

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OPTIONS

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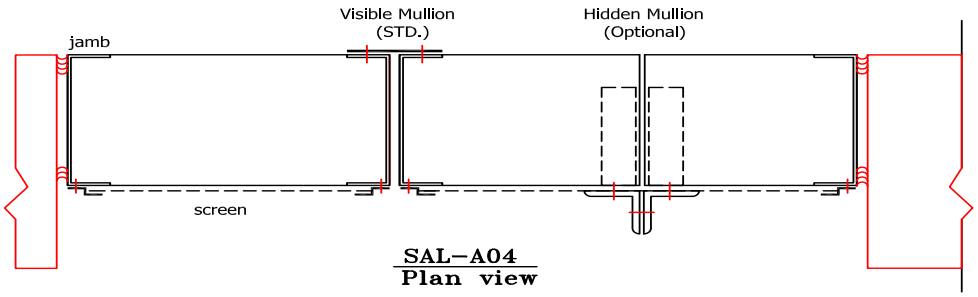
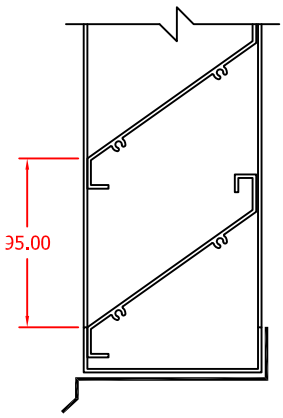
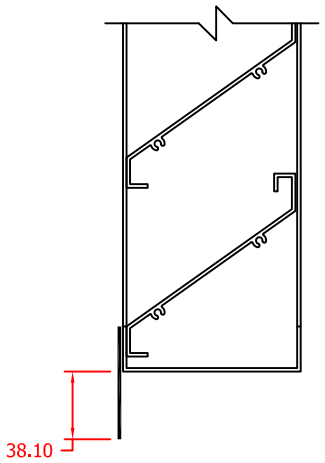


SAL–A04
Plan view



Sill Extension
(Optional)



Flange Frame
(Optional)

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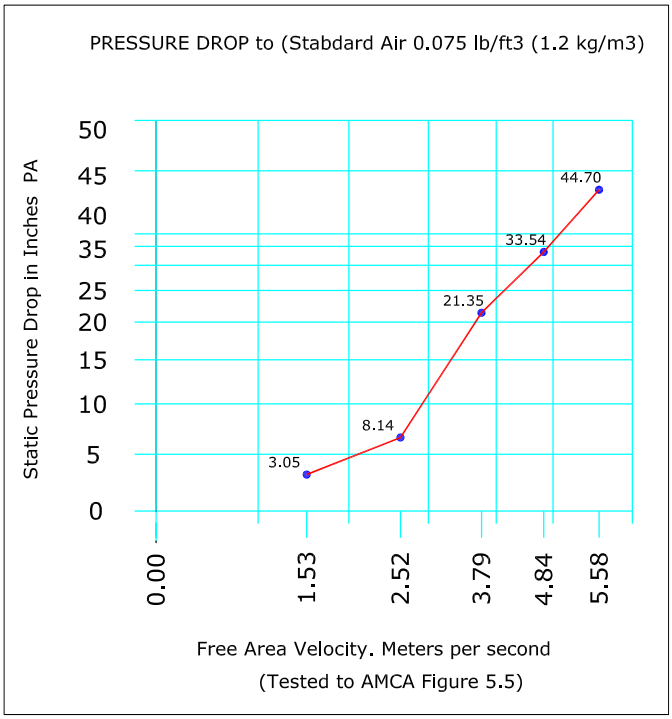
"Energy Industrial Company LLC Certifies that SAL-A04 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on testes and procedures performed in accordance with AMCA 511 and comply with requirements of AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to Air Performance ratings only"

ARCHITECTURAL ALUMINUM LOUVERS
SAL-A04

AIR PERFORMANCE



PRESSURE DROP (PA)	AIR FLOW (m^3/s)	FREE AREA VELOCITY (m/s)
3.05	1.16	1.53
8.14	1.91	2.52
21.35	2.88	3.79
33.54	3.67	4.84
44.70	4.24	5.58

NOTES:

- Pressure Drop Data applies to test unit size 48" x 48" (1219 x 1219) mm only
- Reported Pressure Drop is for intake mode only.
- Perfromance data does not include the effects of bird screen of filter.
- All performance shown is at density of 0.075 lb/ft^3 (1.2kg/m^3)

Opening that requires multiple louver panels in both width and height will require internal structural supports. It is recommended that; large openings be divided with structural members so that the louver will span either width or height with a single panel. Unusually high wind loading may require structural supports non-multiple wide and multiple high assemblies. Structural Supports and mounting accessories are not supplied as a standard

Below is an explanation of how to use the AMCA Performance data for the recommended free area velocity of _____

To determine minimum free area required for louver:

Step#1: Divide the required CFM flow by the maximum recommended free area velocity.

Step#2: Select the most desirable louver size, from teh free area table, that meets the minimum free area requiremnts

Step#3: Compare specified performance to certified pressure drop ratings.

Example: Given:_____CFM design flow

Step#1:

$$\text{min. free area} = \frac{\text{Design CFM}}{\text{Max. Recommended Velocity}}$$

$$= \frac{12346}{123} =$$

Step#2: From the free area table above the approximate louver size is 12" x 12" = (1.23 sq ft)

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