

# AVS34

## Product Data Sheet



### General Description

The AVS 34 is a small format louvre system specifically designed for use within the window industry that has been extensively used in schools and higher education facilities, hospitals as well as a number of high profile residential and retail schemes.

### Technical Details

#### Materials

- Extruded Aluminium alloy profiles to 6063 T6
- Profile thickness 1.5mm
- Mechanically jointed with Zintec corner chevrons

#### Performance

- Refer to BSRIA performance evaluation data on pages 2 & 3
- 39.8% Free area based on louvre core (excludes top and bottom blade arrangements)
- Mean Ce Factor 0.202 (Class 3)

#### Dimensions

- 34mm Blade Pitch
- Product depth 38mm o/all
- Glazed-in outer frames to suit 24 & 28mm as standard (alternative glazing thickness' available upon request)
- Glazing rebate height 24mm

#### Options

- 24 or 28mm Glazed-In Outer Frames as standard
- 3 Flanged Outer Frame Options
- Box and Surface Mounted Outer Frames
- Water Drainage Profile (recommended for exposed locations or where minimal water ingress is permissible)
- Fly screen options include nylon glass fibre as standard, Aluminium or Stainless Steel
- Birdguard
- Enhanced Security Option
- Blanking Panels – thermal (composite) or simple sheet blanking
- Coupling for extended runs



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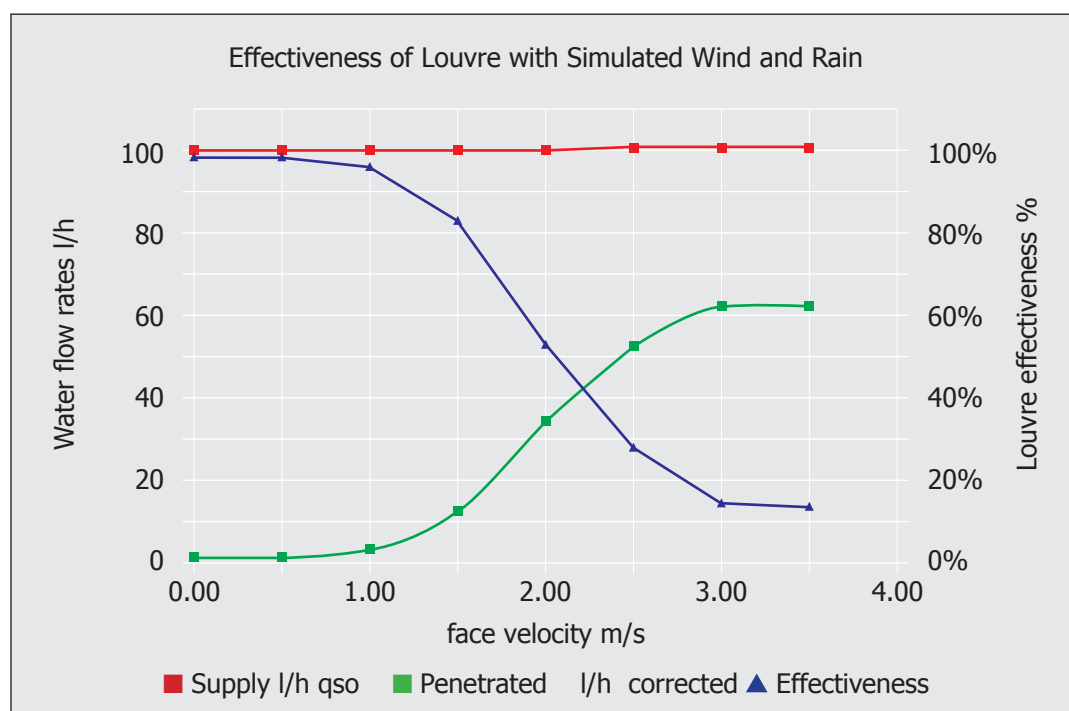
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Classification from design tests undertaken by BSRIA based on a 980 x 980 core louvre area (0.960m<sup>2</sup>).

Weathering Performance with Flyscreen:

VENTILATION RATE		WATER FLOW RATES		Effectiveness	
Volume m <sup>3</sup> /s	Velocity m/s	Supply l/h	Penetrated l/h	With DP	No DP
0.00	0.00	100.1	0.7	99.0%	94.7%
0.48	0.50	100.1	0.9	98.8%	91.1%
0.96	1.00	100.1	2.7	96.2%	87.8%
1.44	1.50	100.1	11.9	83.5%	82.1%
1.92	2.00	100.1	33.4	53.6%	-
2.40	2.50	100.6	51.9	28.0%	-
2.88	3.00	100.6	61.9	14.1%	-
3.36	3.50	100.6	62.2	13.6%	-



Performance testing is undertaken in line with BS EN 13030:2001 Ventilation for Buildings. Terminals. Performance testing of louvres subject to simulated rain.

It should be noted that testing is undertaken on louvres of a specific size range only, generally 1m x 1m and so the performance data in relation to weathering is only applicable to a louvre of that size and under the conditions described in the test. Accordingly performance data should only ever be used as a guide to actual performance or to provide comparative performance between different louvre types.

# AVS34

## Performance Data 2



Airflow Performance with Flyscreen:

Louvre pd Pascals	LOUVRE FACE VELOCITY	AIR FLOW RATE		Coefficient C <sub>e</sub>
	m/s	Test m <sup>3</sup> /s	Theoretical m <sup>3</sup> /s	
25.0	1.31	1.256	6.204	0.202
30.7	1.45	1.395	6.875	0.203
36.8	1.58	1.521	7.527	0.202
45.8	1.77	1.702	8.397	0.203
58.2	1.99	1.910	9.466	0.202
68.3	2.15	2.063	10.254	0.201
80.6	2.34	2.244	11.139	0.201
110.1	2.73	2.620	13.019	0.201
144.3	3.10	2.981	14.905	0.200
179.2	3.46	3.322	16.609	0.200
mean C <sub>e</sub>				0.202
Class				3



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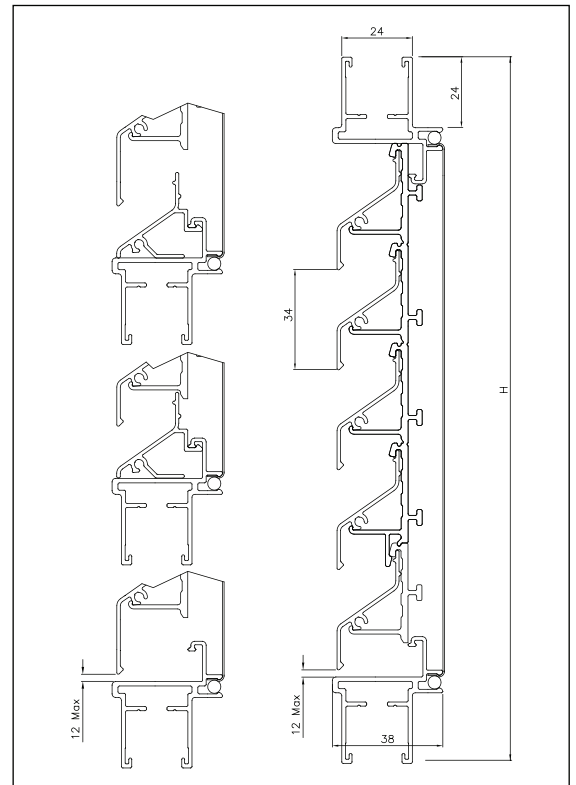
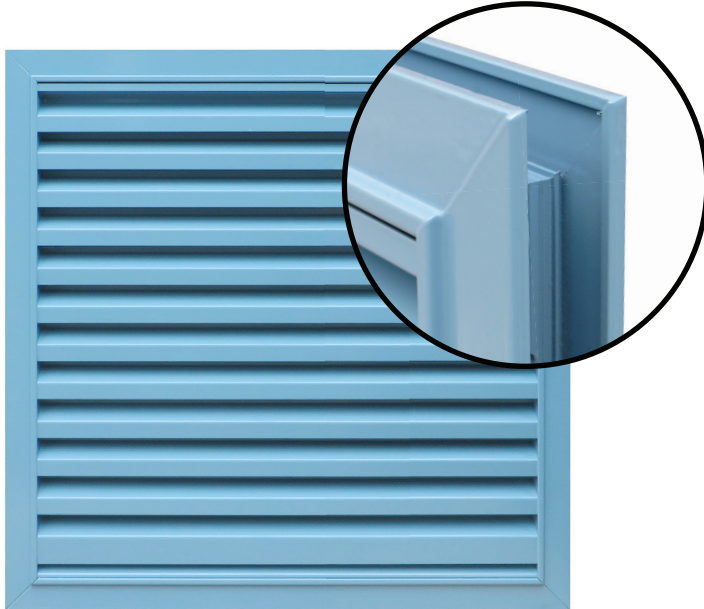
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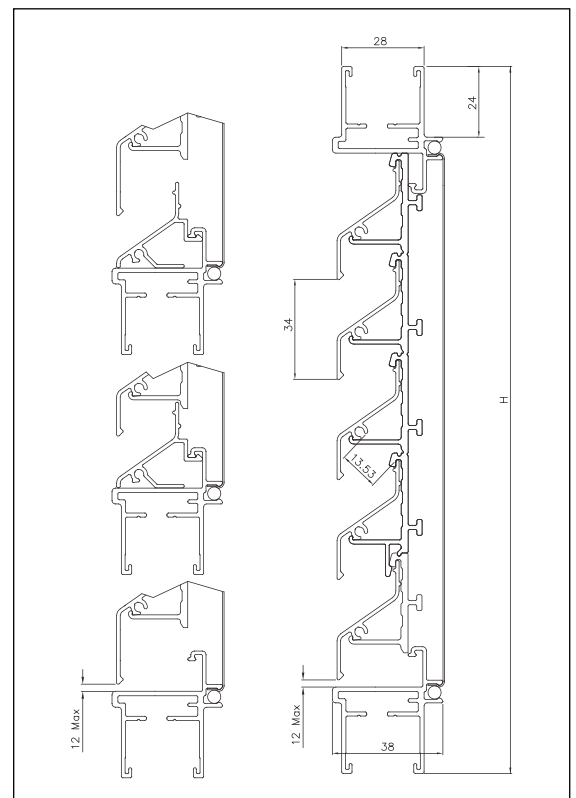
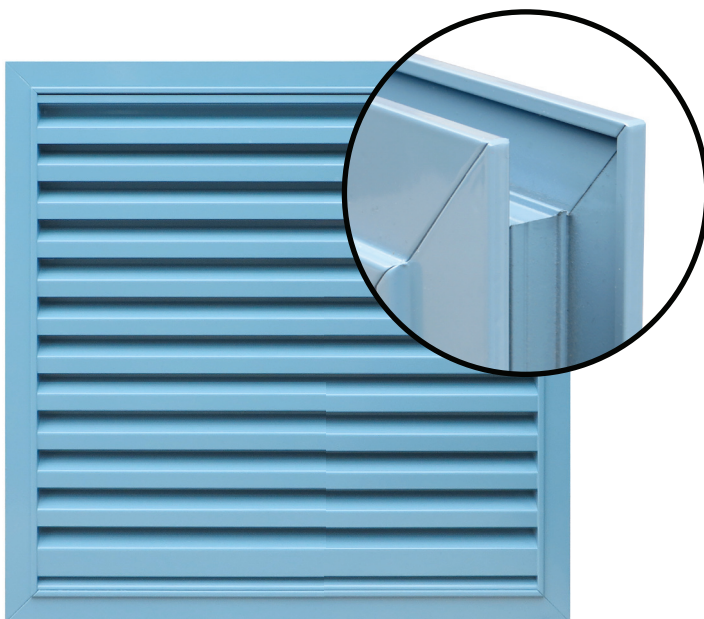
## Product Variants

**JACK**  
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### AVS34 GL24



### AVS34 GL28



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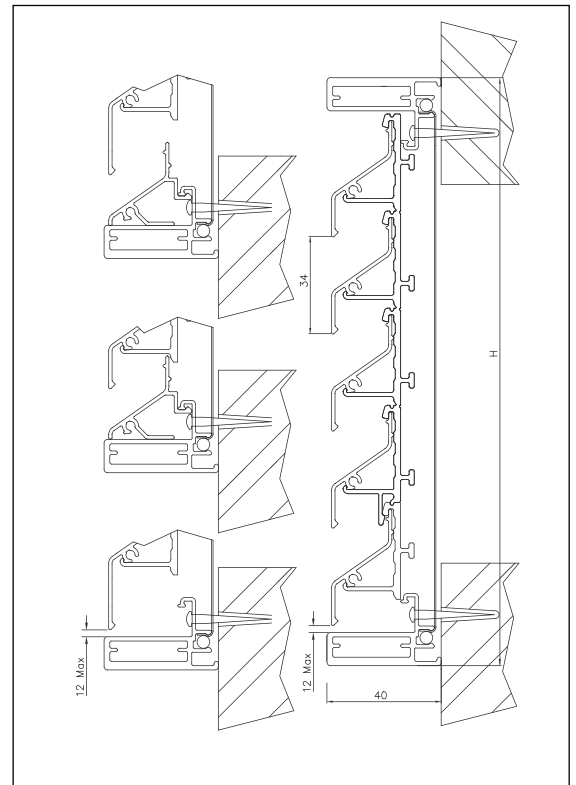
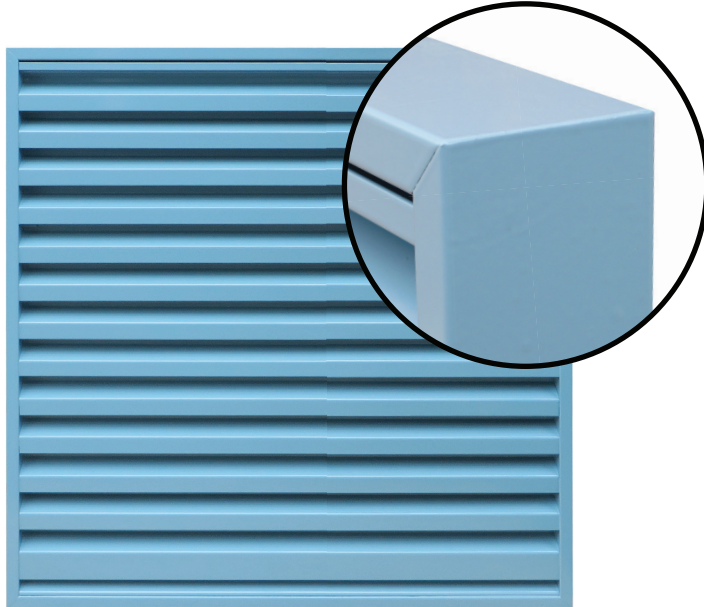
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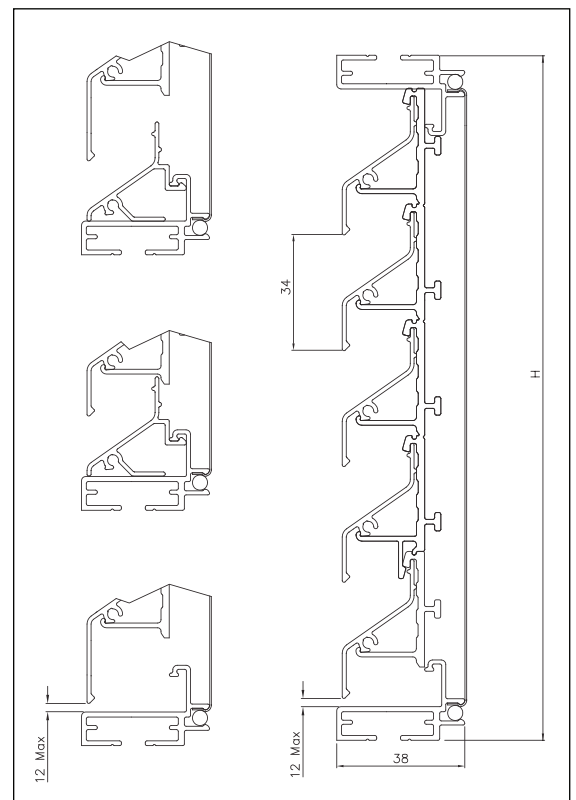
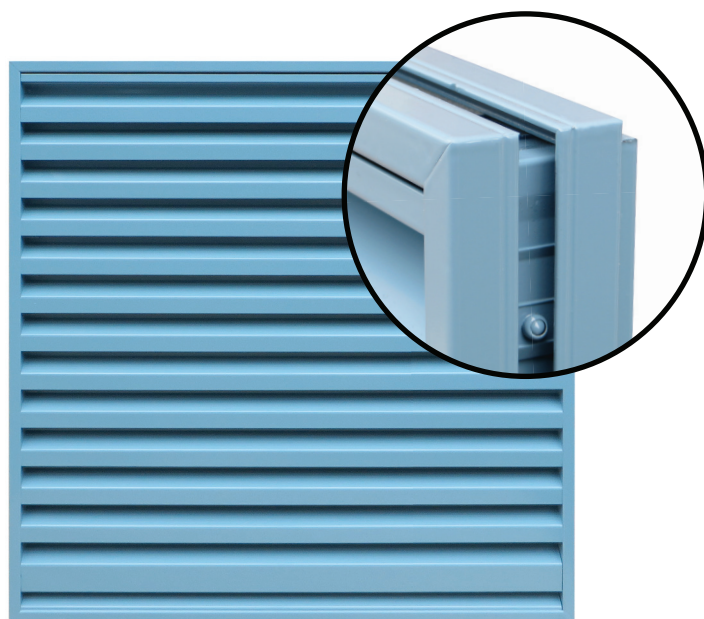
## Product Variants

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### AVS34 SM



### AVS34 BF



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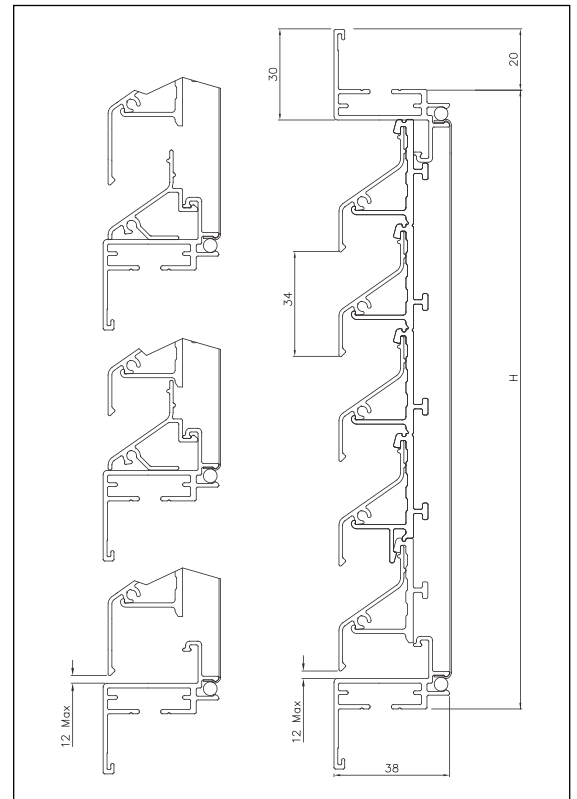
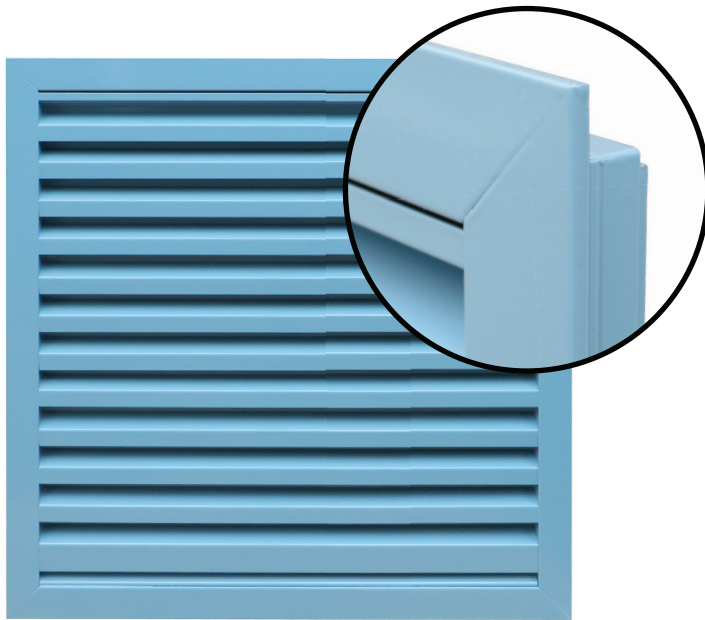


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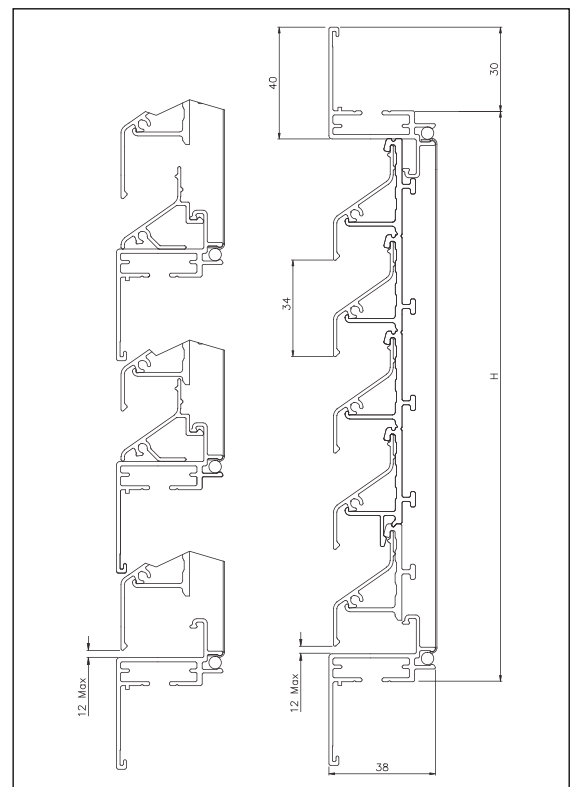
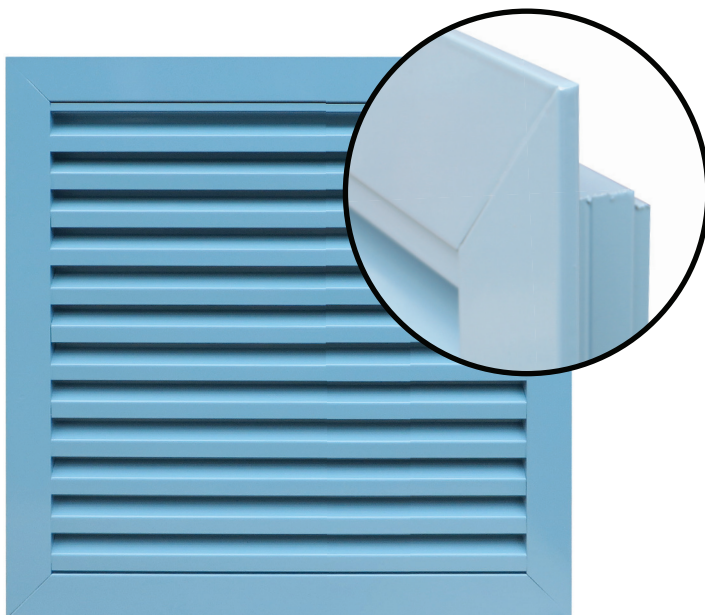
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### AVS34 FL



### AVS34 EXFL



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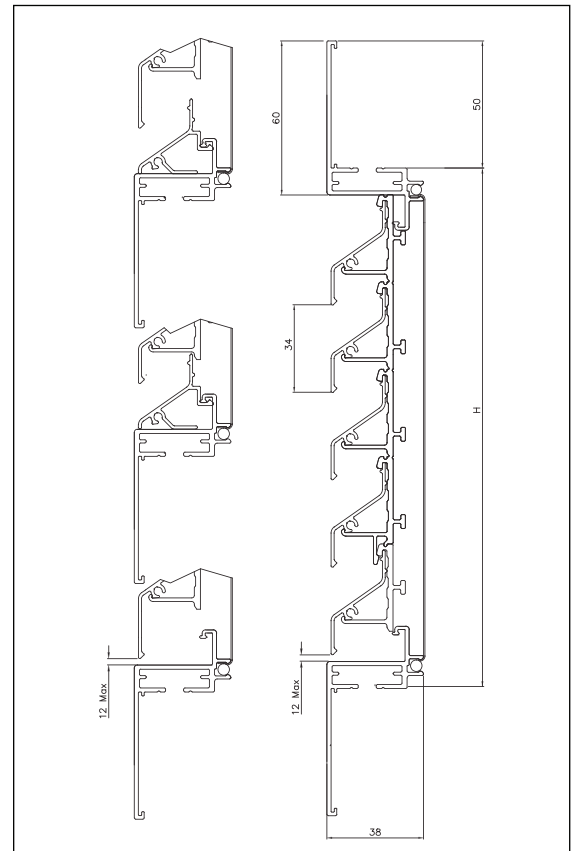
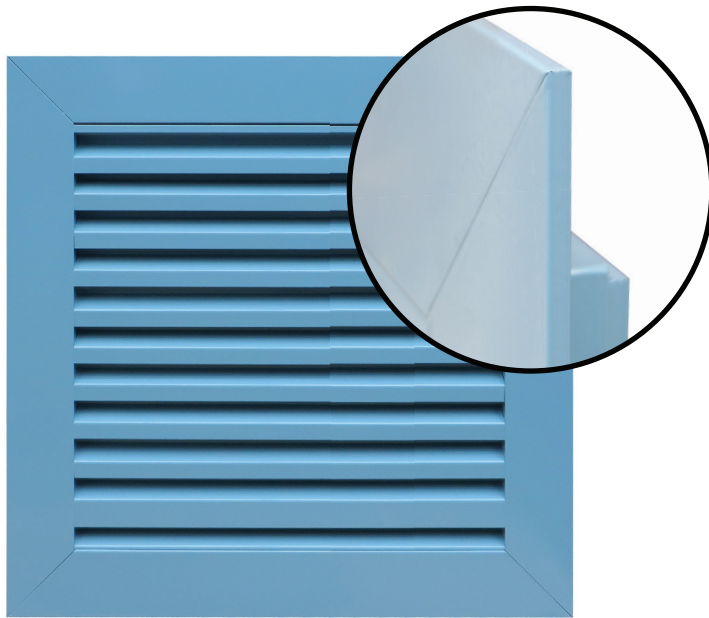
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## Product Variants

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