

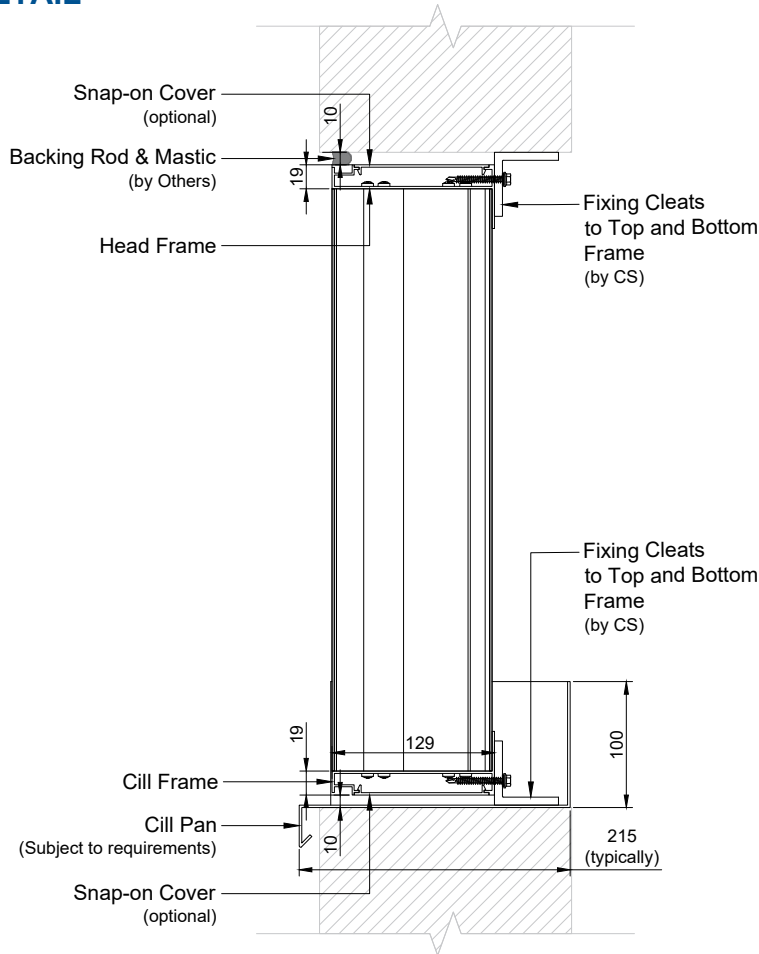
Rain Defence Louvres

RSV-5700 | Technical Datasheet

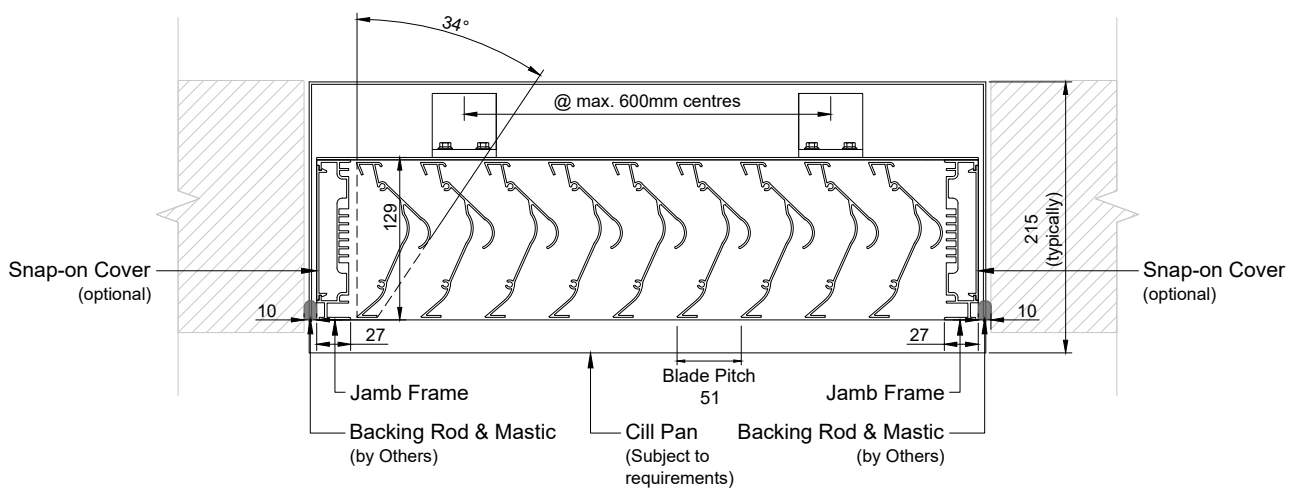


www.c-sgroup.co.uk/2416

STANDARD DETAIL



SECTION ON ELEVATION (1:6 @A4)

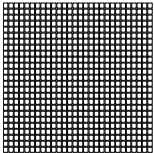


PLAN VIEW (1:6 @A4)

STANDARD DETAIL

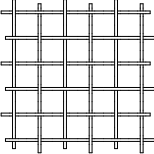
with Insect Mesh or Bird Guard

INSECT MESH

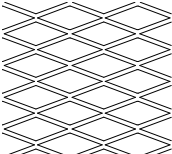


Fiberglass Mesh
Black PVC coated
(1:2 @A4)
LV-1008
72% Free Area

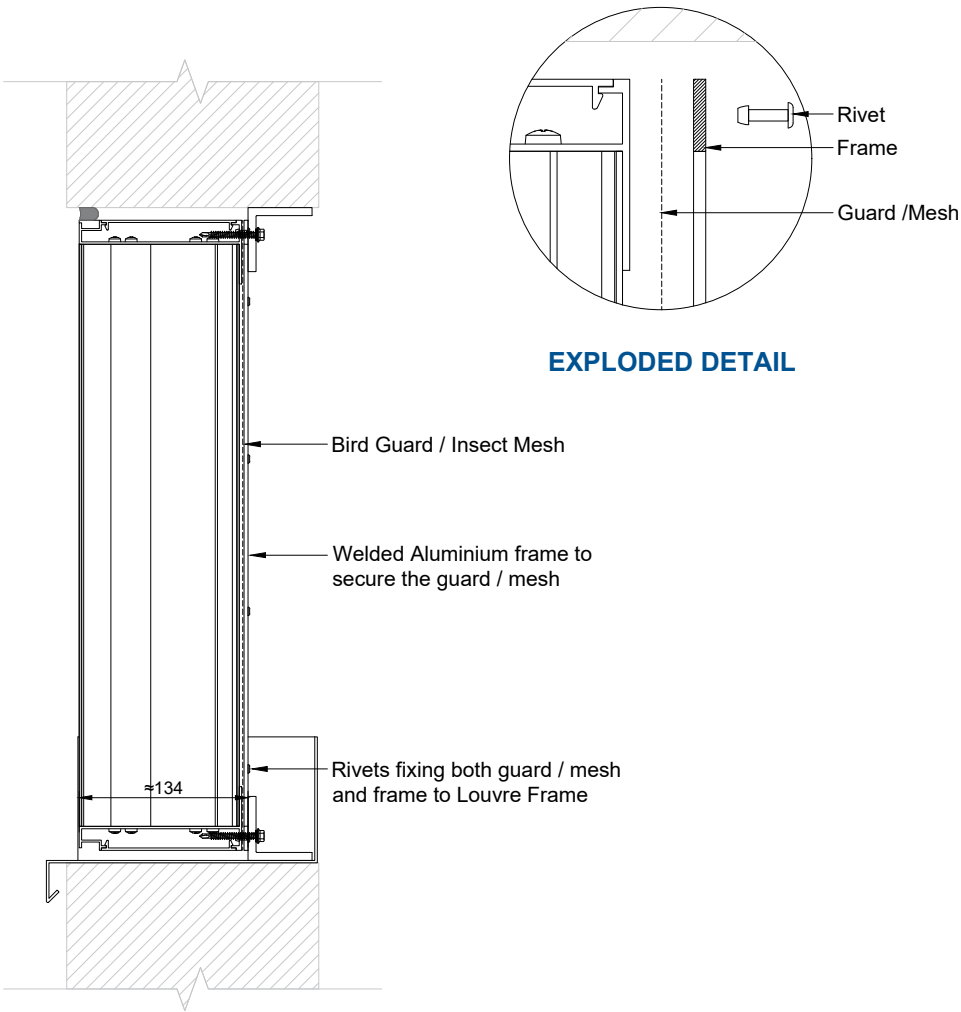
BIRD / VERMIN GUARDS



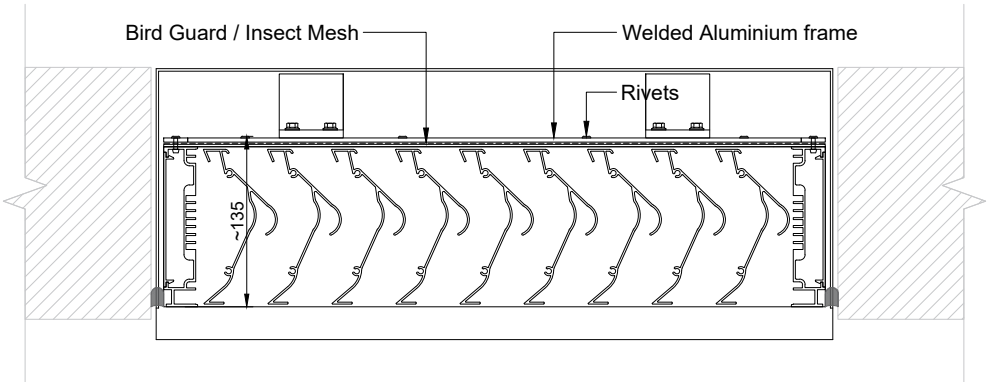
Galvanized Welded Mesh - (Standard)
(1:4 @A4)
LV-1408
85% Free Area



Flattened Aluminium
38-85AF - (Option)
(1:4 @A4)
LV-0158
73% Free Area



SECTION ON ELEVATION (1:6 @A4)

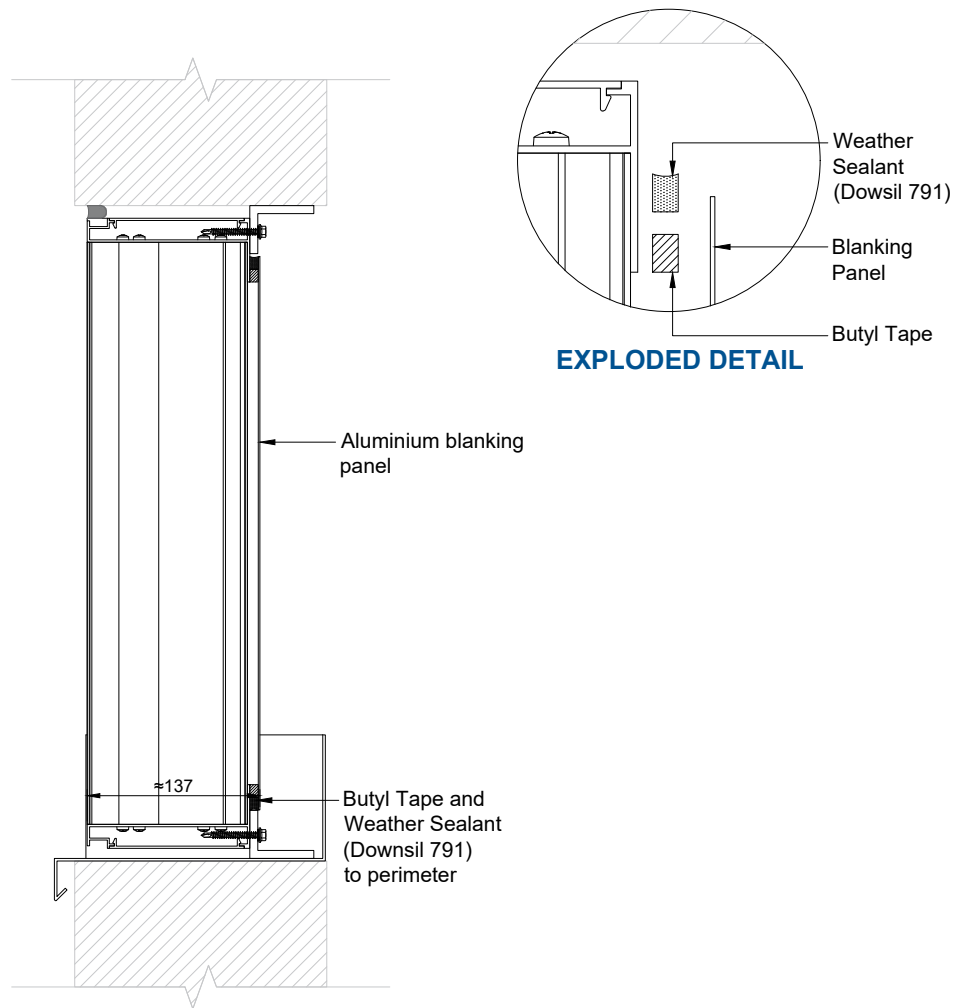


PLAN VIEW (1:6 @A4)

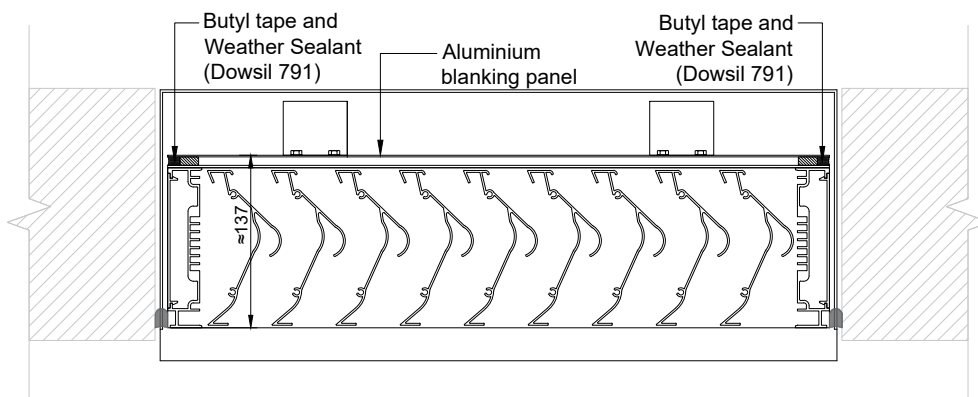
All dimensions in millimeters unless otherwise stated. Do not scale from the drawing.

STANDARD DETAIL

with Single Skin Blanking Panel



SECTION ON ELEVATION (1:6 @A4)



PLAN VIEW (1:6 @A4)

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Rain Defence Louvres

RSV-5700 | Technical Datasheet

STANDARD DETAIL

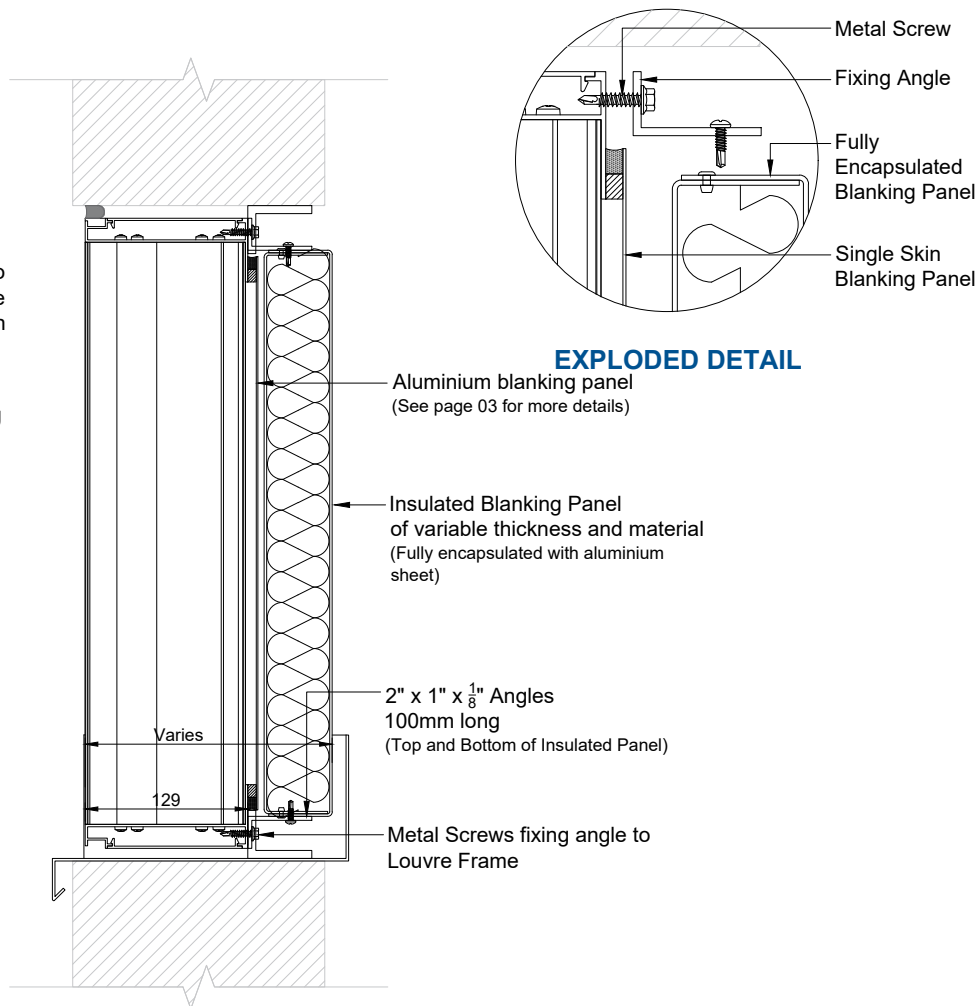
with Insulated Blanking Panel

NOTE:

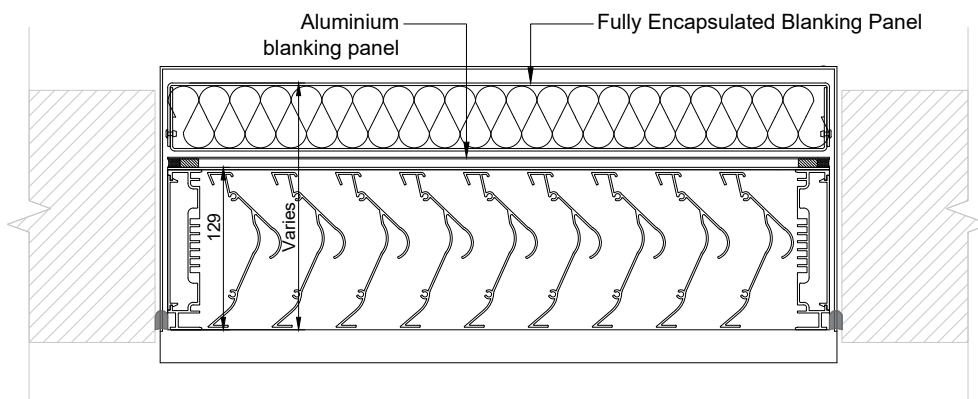
Insulation material options include:

- Non-combustible, A1 classified (to EN 13501-1) high strength stone wool core faced with open filament net
- Extruded polystyrene core

Panel thicknesses will vary, depending on the chosen core type and project's insulation requirements.

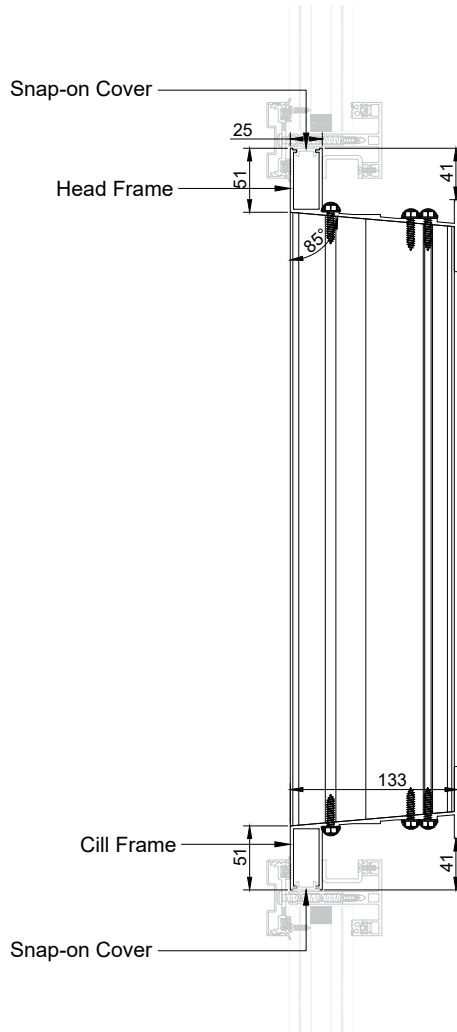


SECTION ON ELEVATION (1:6 @A4)

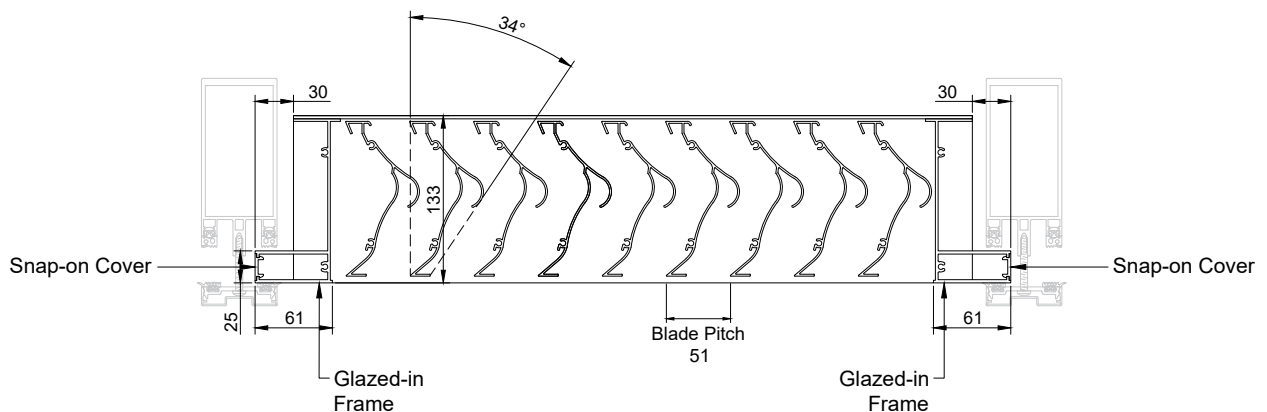


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25MM GLAZED-IN DETAIL



SECTION ON ELEVATION (1:6 @A4)



PLAN VIEW (1:6 @A4)

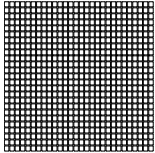
NOTE: Glazed-in louvres are supplied with Black Dowsil 791 Weatherproofing Silicone Sealant applied to seal all fixings and joints around the perimeter frame at the rear.

All dimensions in millimeters unless otherwise stated. Do not scale from the drawing.

25MM GLAZED-IN DETAIL

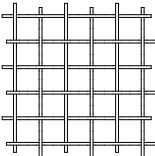
with Insect Mesh or Bird Guard

INSECT MESH

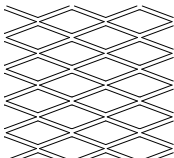


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Black PVC coated
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LV-1008
72% Free Area

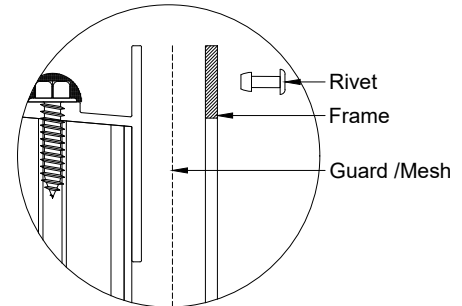
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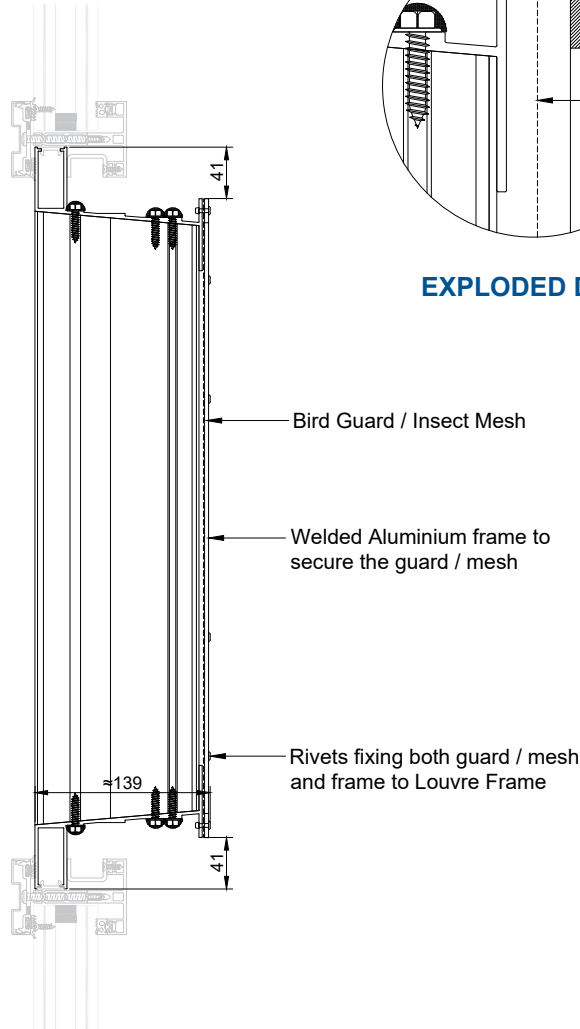
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Mesh - (Standard)
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85% Free Area



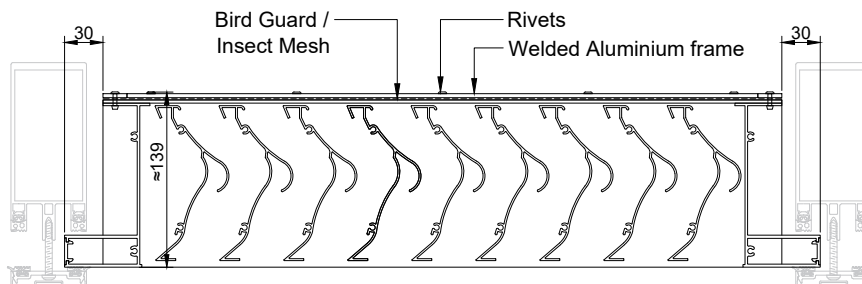
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38-85AF - (Option)
(1:4 @A4)
LV-0158
73% Free Area



EXPLODED DETAIL



SECTION ON ELEVATION (1:6 @A4)



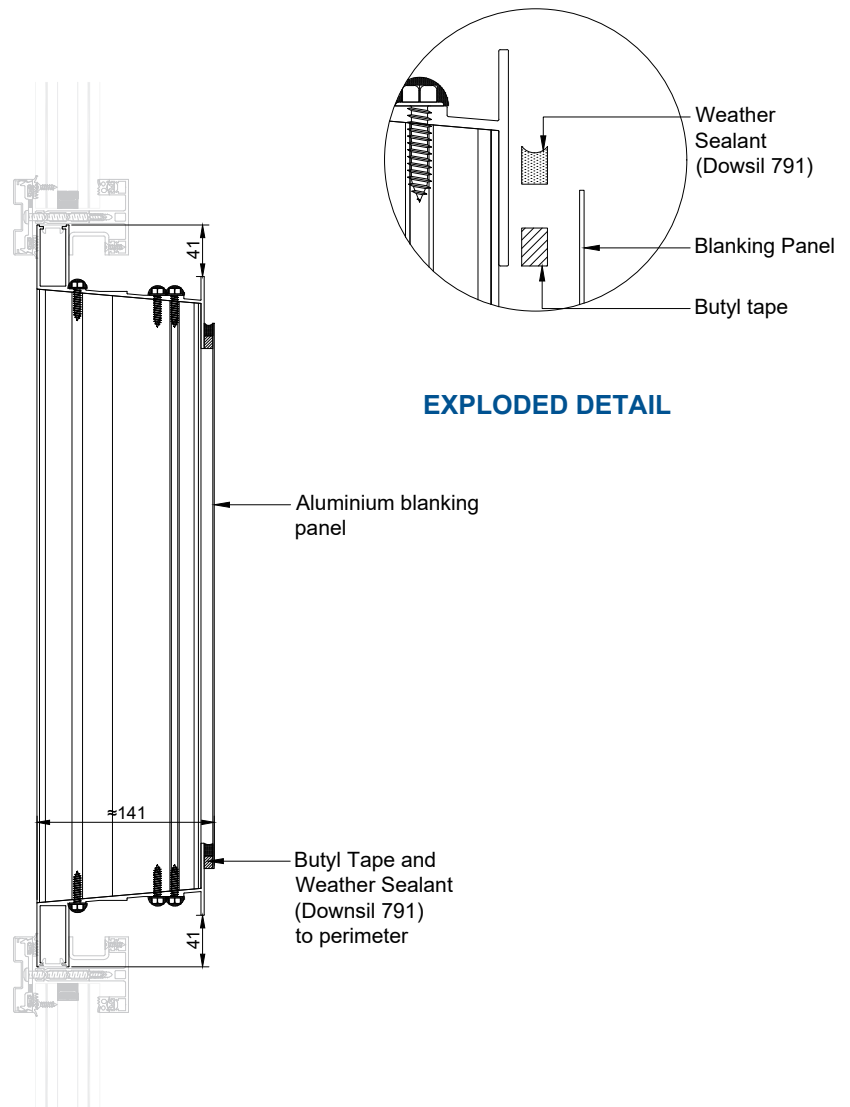
PLAN VIEW (1:6 @A4)

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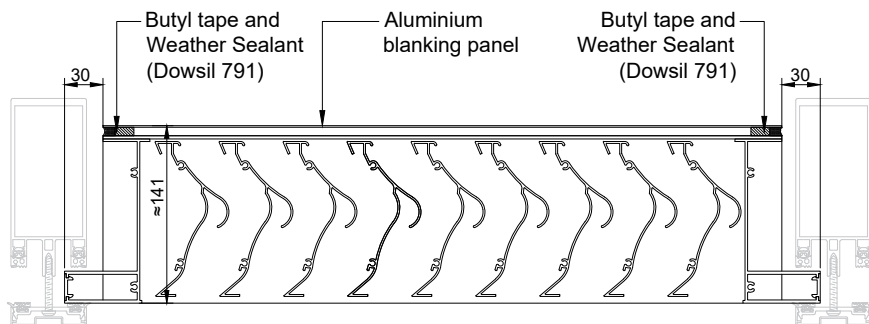
25MM GLAZED-IN DETAIL

with Single Skin Blanking Panel



EXPLODED DETAIL

SECTION ON ELEVATION (1:6 @A4)



PLAN VIEW (1:6 @A4)

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25MM GLAZED-IN DETAIL

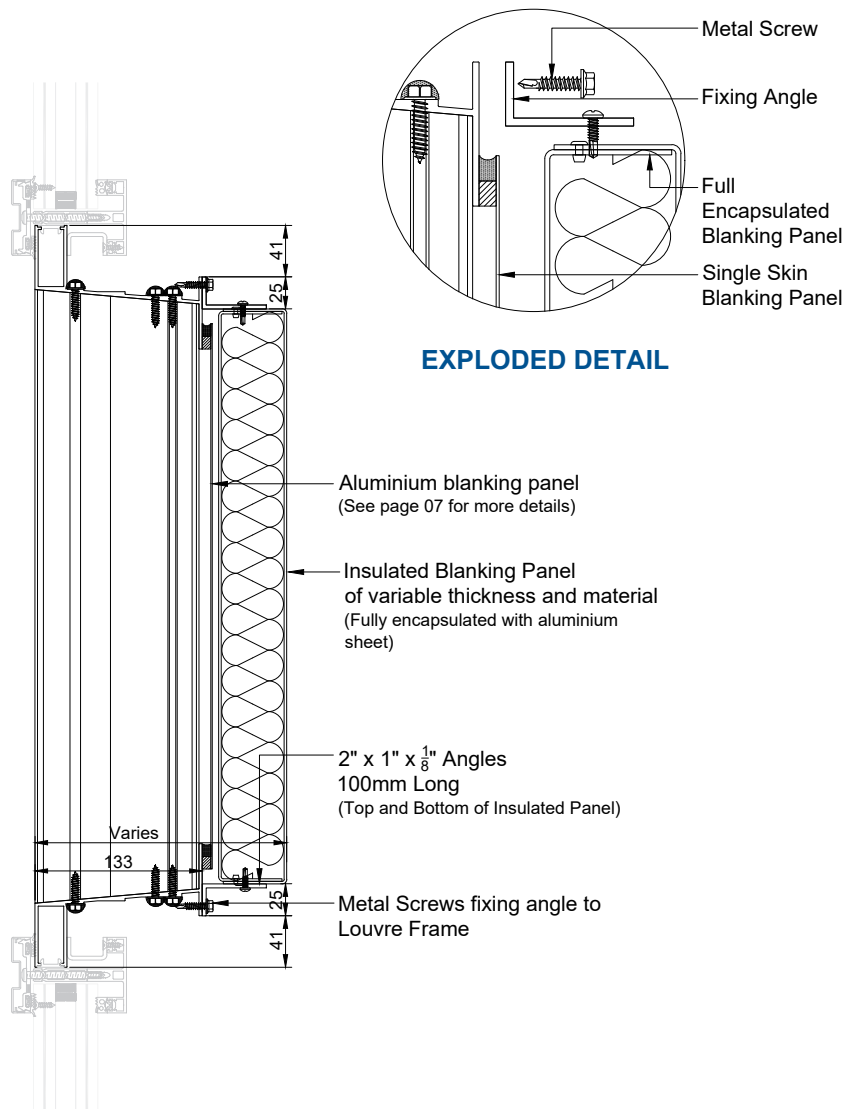
with Insulated Blanking Panel

NOTE:

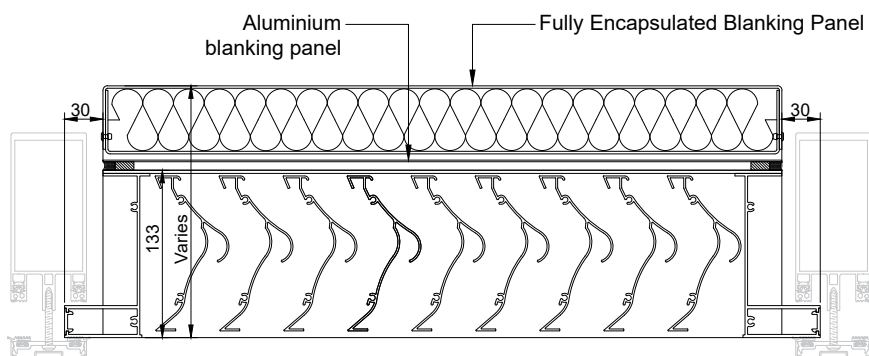
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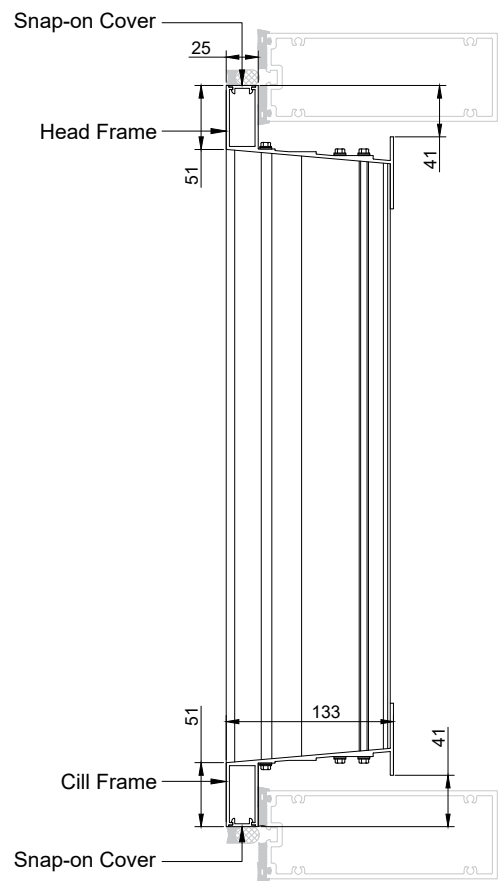


PLAN VIEW (1:6 @A4)

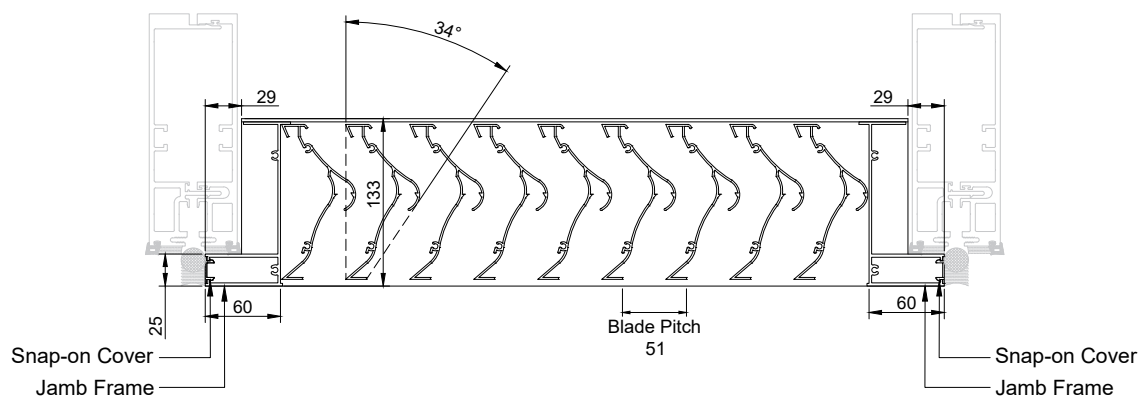
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STRUCTURAL SEALANT GLAZING (SSG) DETAIL



SECTION ON ELEVATION (1:6 @A4)



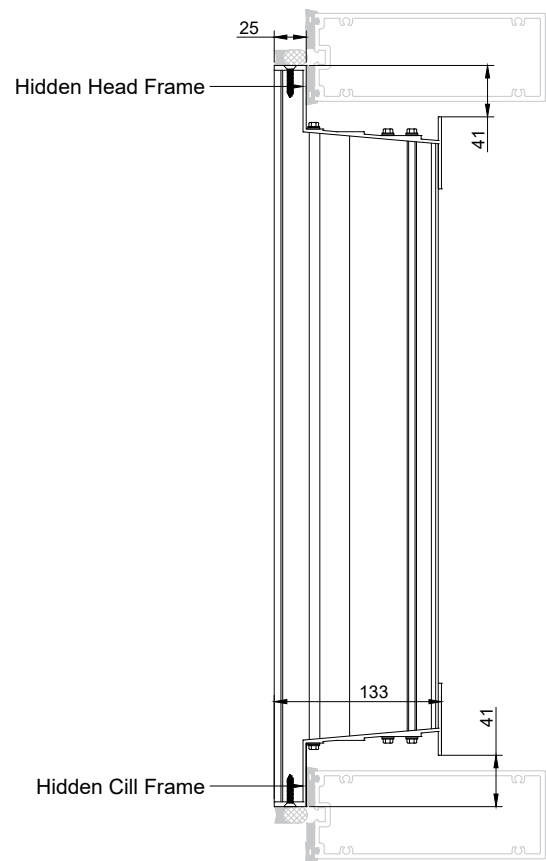
PLAN VIEW (1:6 @A4)

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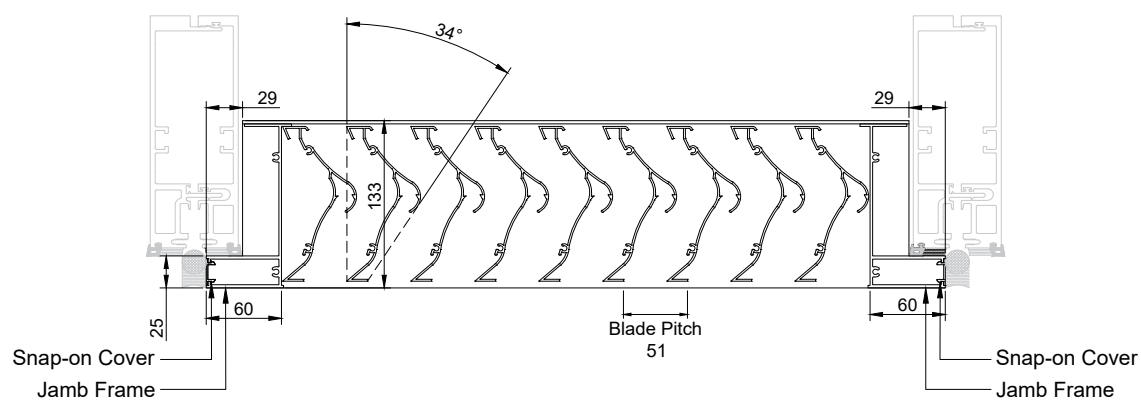
All dimensions in millimeters unless otherwise stated. Do not scale from the drawing.

STRUCTURAL SEALANT GLAZING (SSG) DETAIL

with Hidden Head and Cill



SECTION ON ELEVATION (1:6 @A4)

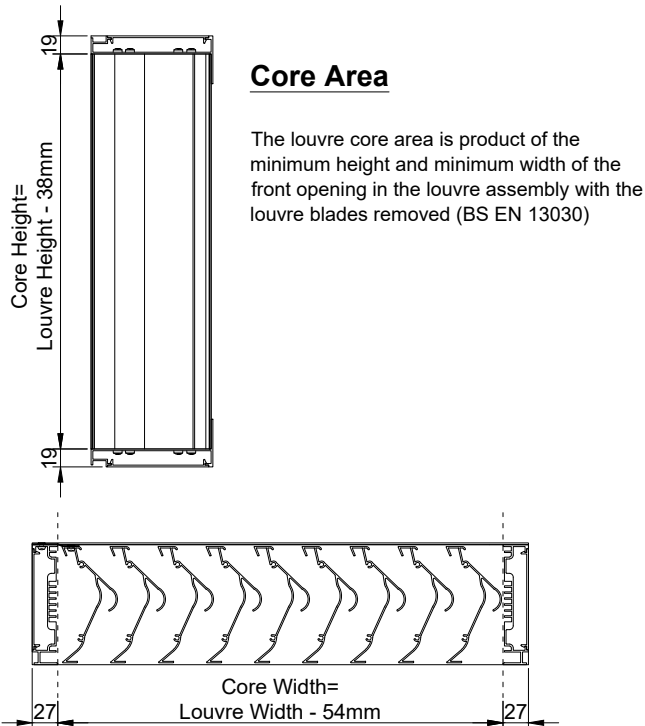


PLAN VIEW (1:6 @A4)

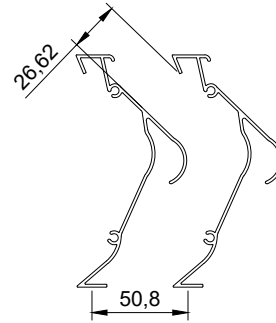
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APPENDIX A - FREE AREA



Free Area Between Blades



The percentage free area between the blades is calculated by taking the narrowest gap between the blades and dividing it by the blade pitch.

$$26.62/50.8 = 52.4\%$$

Free Area

Total free area is determined by multiplying the sum of the minimum distance between intermediate blades, first blade and jamb, and last blade and jamb, by the minimum distance between head and cill.

Percentage free area is calculated by dividing the total free area by the overall louvre size.

Example based on 2m x 2m louvre

No. of blades - 38

A - No. of gaps between blades - 37

B - First gap - 3.19mm

C - Blade gap - 26.62mm

D - Last gap - 0mm (Blanked Off)

E - Height between head and cill - 1898mm

Total Free Area

$$((B + (C \times A) + D) \times E)$$

$$((0.00319 + (0.02662 \times 37) + 0) \times 1.898) = 1.875\text{m}^2$$

Percentage Free Area

$$1.875/4 = 46.9\%$$

Approximate Free Area

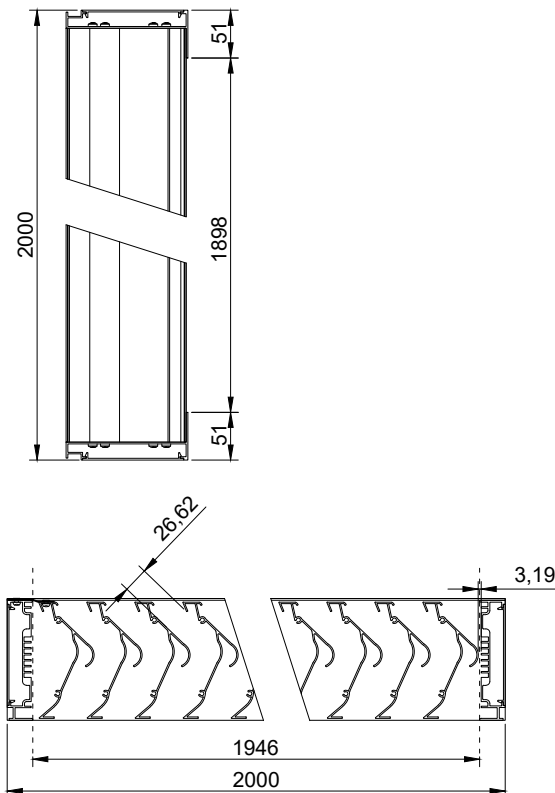
Total Free Area

Opening at rear of louvre x percentage free area between blades

$$1.898 \times 1.946 \times 52.4\% = 1.935\text{m}^2$$

Percentage Free Area

$$1.935/4 = 48.4\%$$



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