

Rain Defence Louvres

RSH-5700 | Technical Datasheet

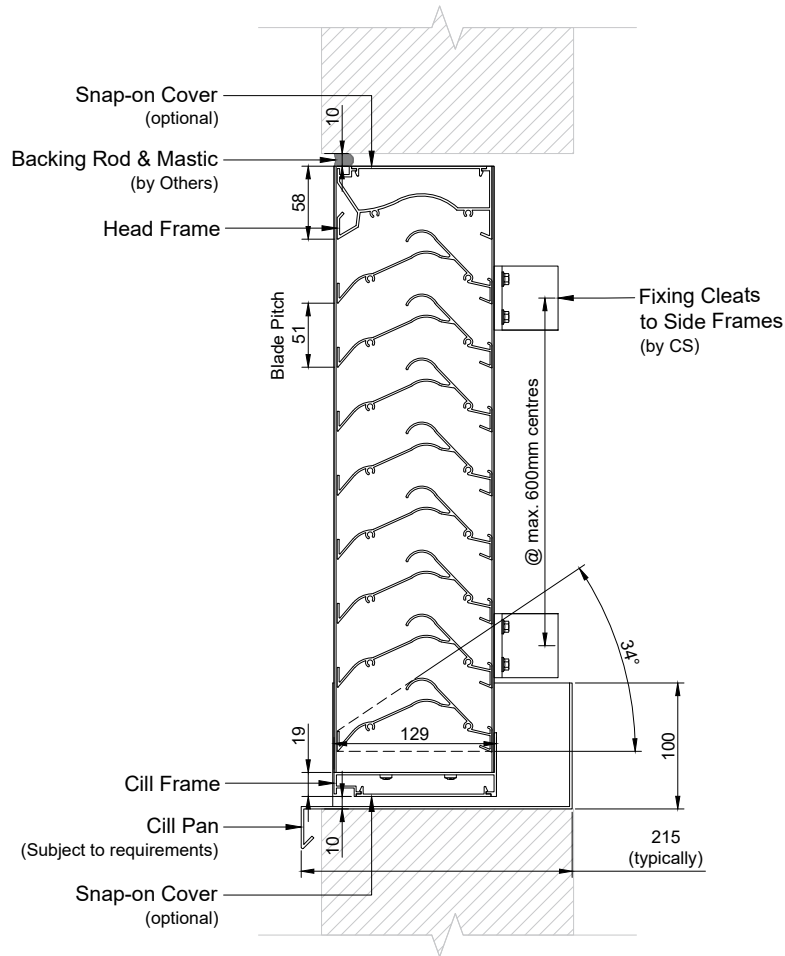


www.c-sgroup.co.uk/2411

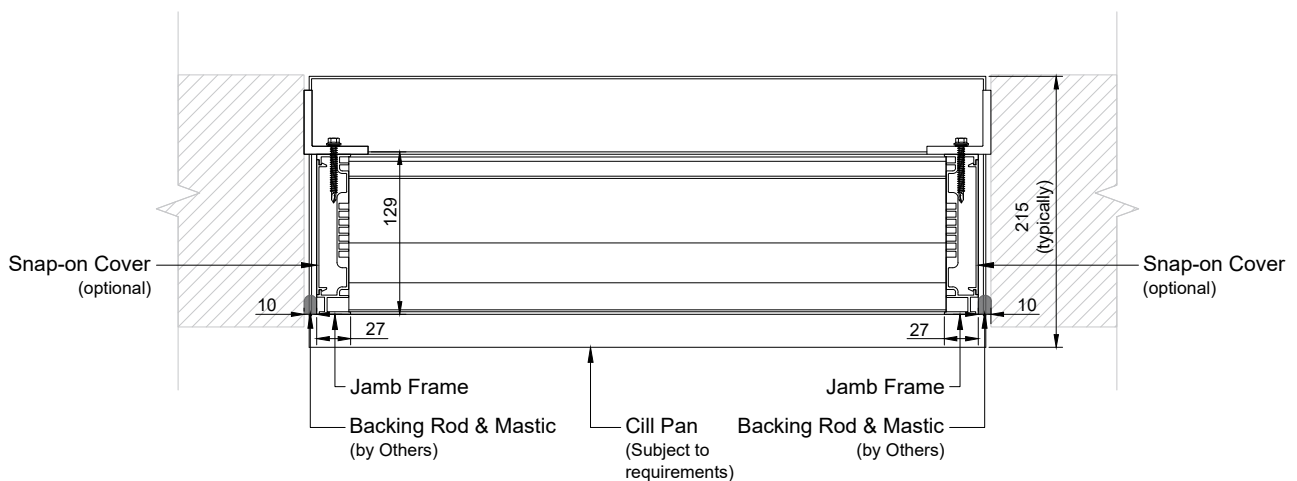
Rain Defence Louvres

RSH-5700 | Technical Datasheet

STANDARD DETAIL



SECTION ON ELEVATION (1:6 @A4)



PLAN VIEW (1:6 @A4)



www.c-sgroup.co.uk/2411

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



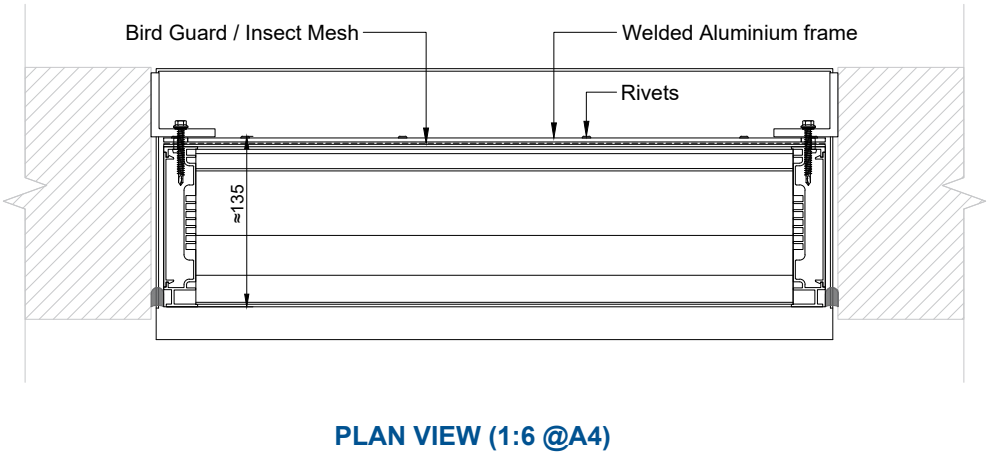
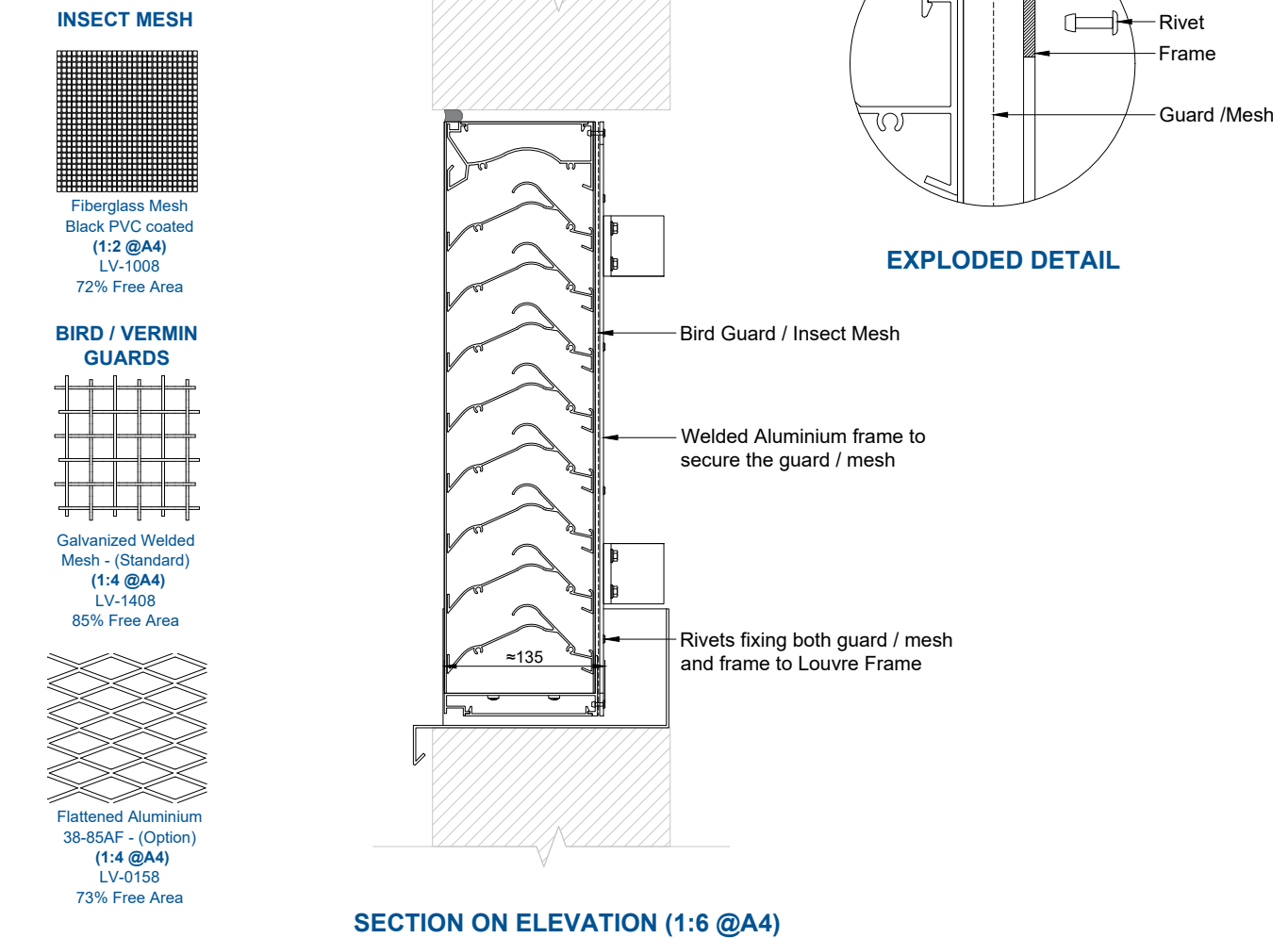
Construction Specialties

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T: +44 (0)1296 652800 E: uk-sales@c-sgroup.com www.c-sgroup.co.uk
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ver. 2.0
Page 01

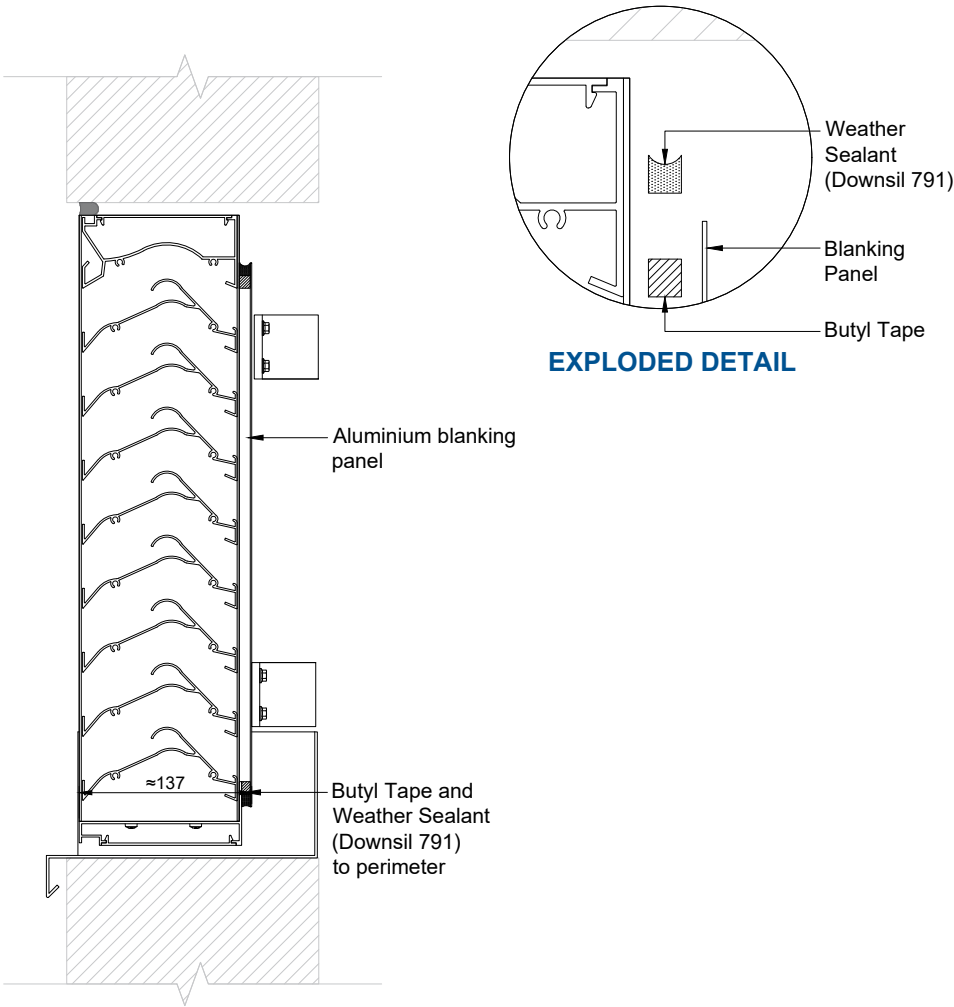
STANDARD DETAIL

with Insect Mesh or Bird Guard

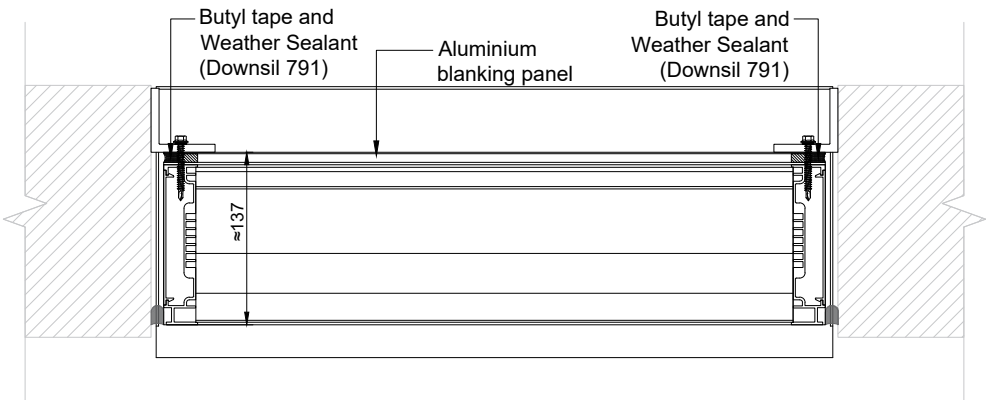


All dimensions in millimeters unless otherwise stated. Do not scale from the drawing.

STANDARD DETAIL
with Single Skin Blanking Panel



SECTION ON ELEVATION (1:6 @A4)



PLAN VIEW (1:6 @A4)

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STANDARD DETAIL

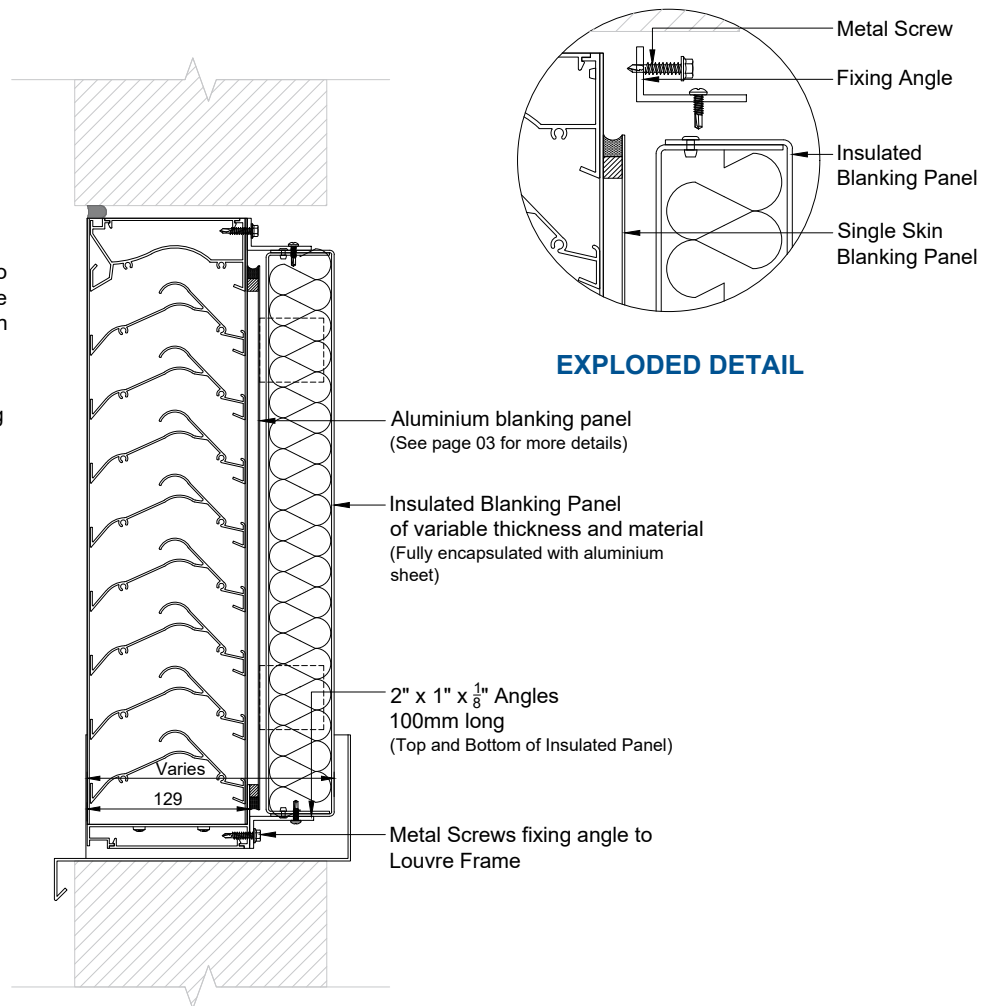
with Insulated Blanking Panel

NOTE:

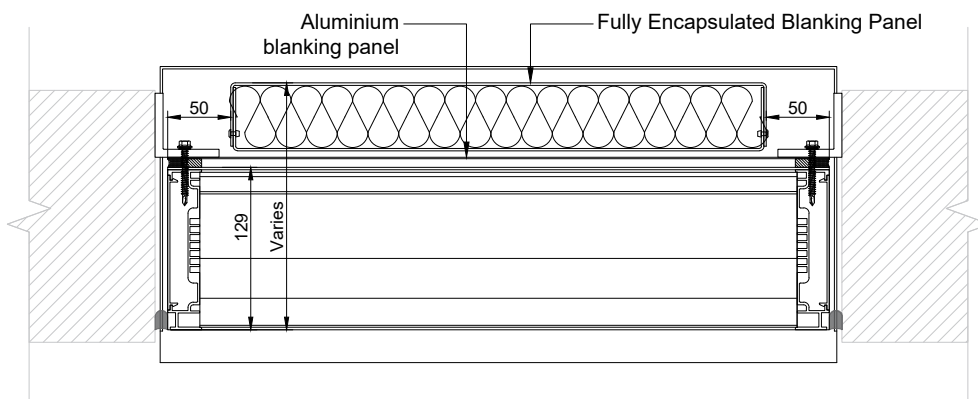
Insulation material options include:

- 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.



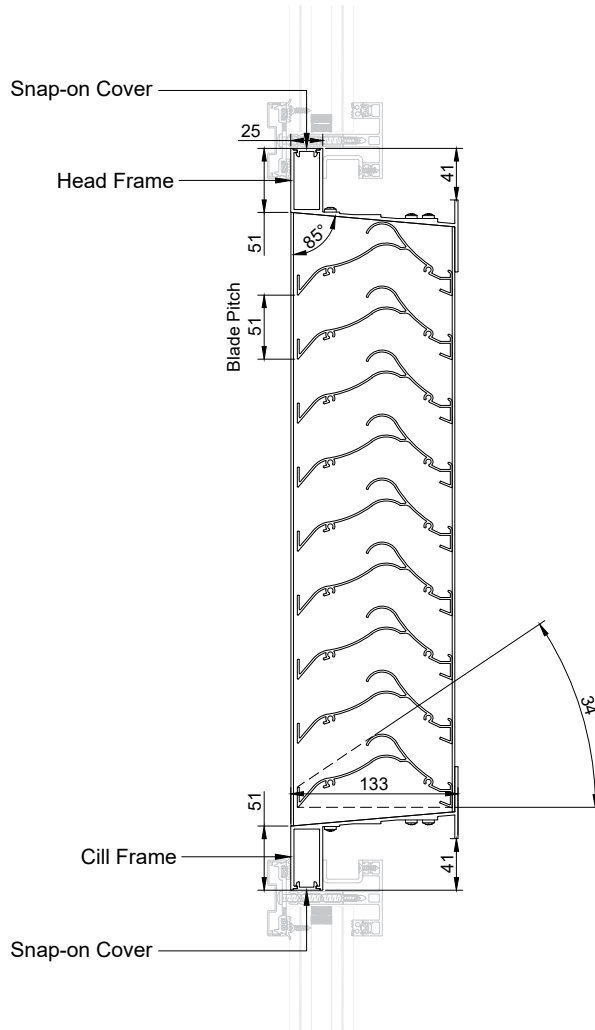
SECTION ON ELEVATION (1:6 @A4)



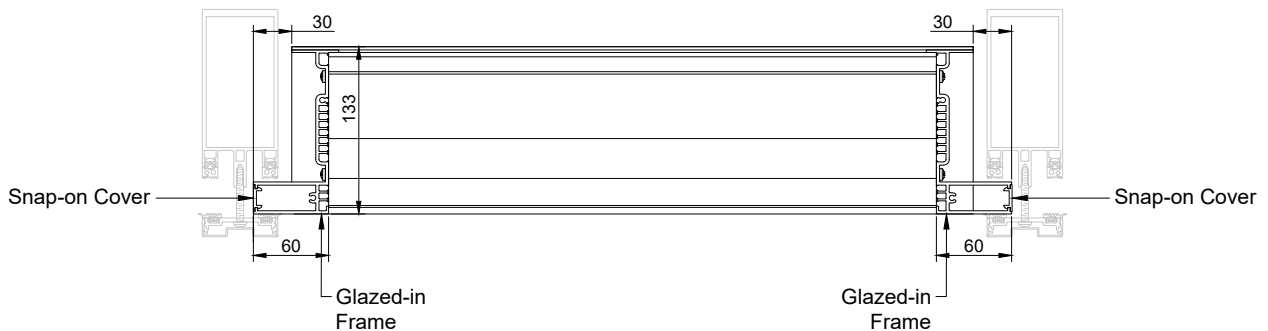
PLAN VIEW (1:6 @A4)

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

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.

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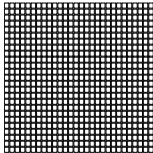
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25MM GLAZED-IN DETAIL

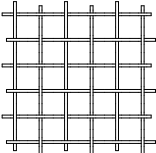
with Insect Mesh or Bird Guard

INSECT MESH

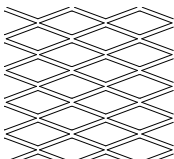


Fiberglass Mesh
Black PVC coated
(1:2 @A4)
LV-1008
72% Free Area

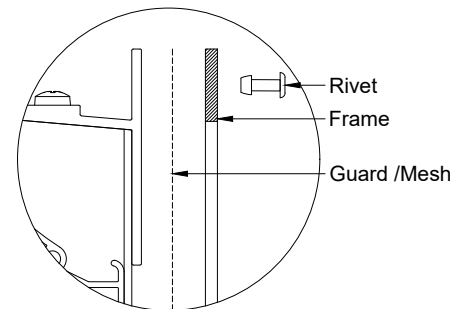
BIRD / VERMIN GUARDS



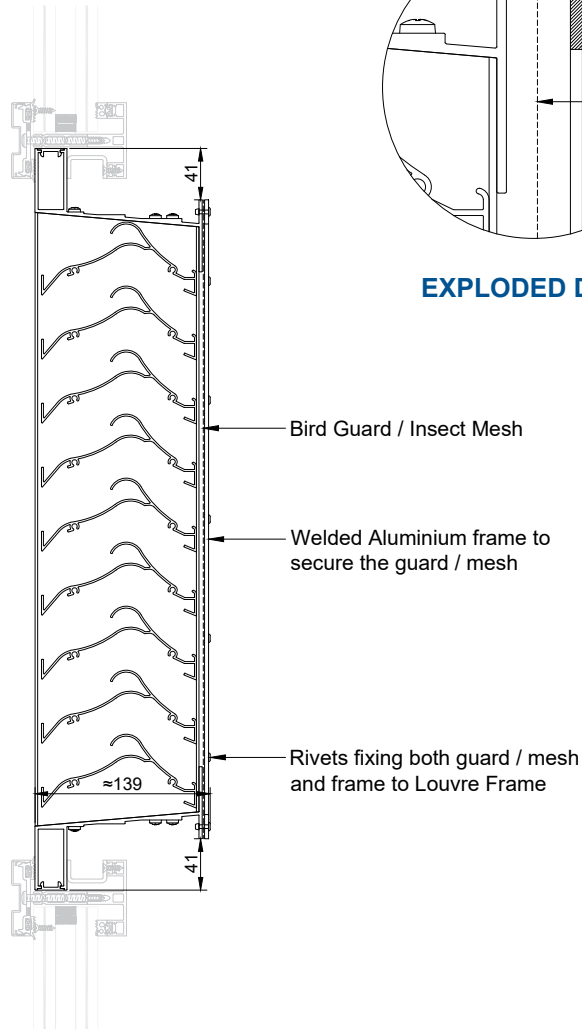
Galvanized Welded
Mesh - (Standard)
(1:4 @A4)
LV-1408
85% Free Area



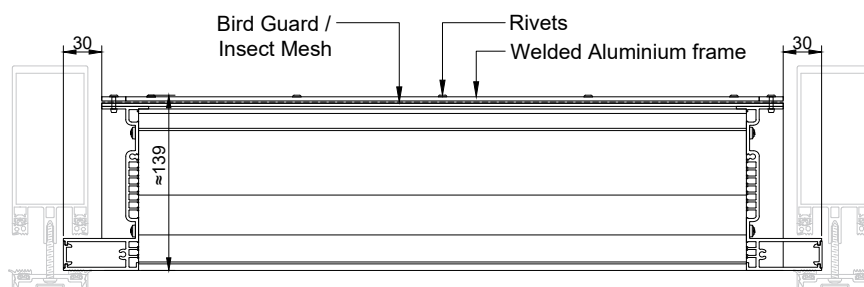
Flattened Aluminium
38-85AF - (Option)
(1:4 @A4)
LV-0158
73% Free Area



EXPLODED DETAIL



SECTION ON ELEVATION (1:6 @A4)



PLAN VIEW (1:6 @A4)

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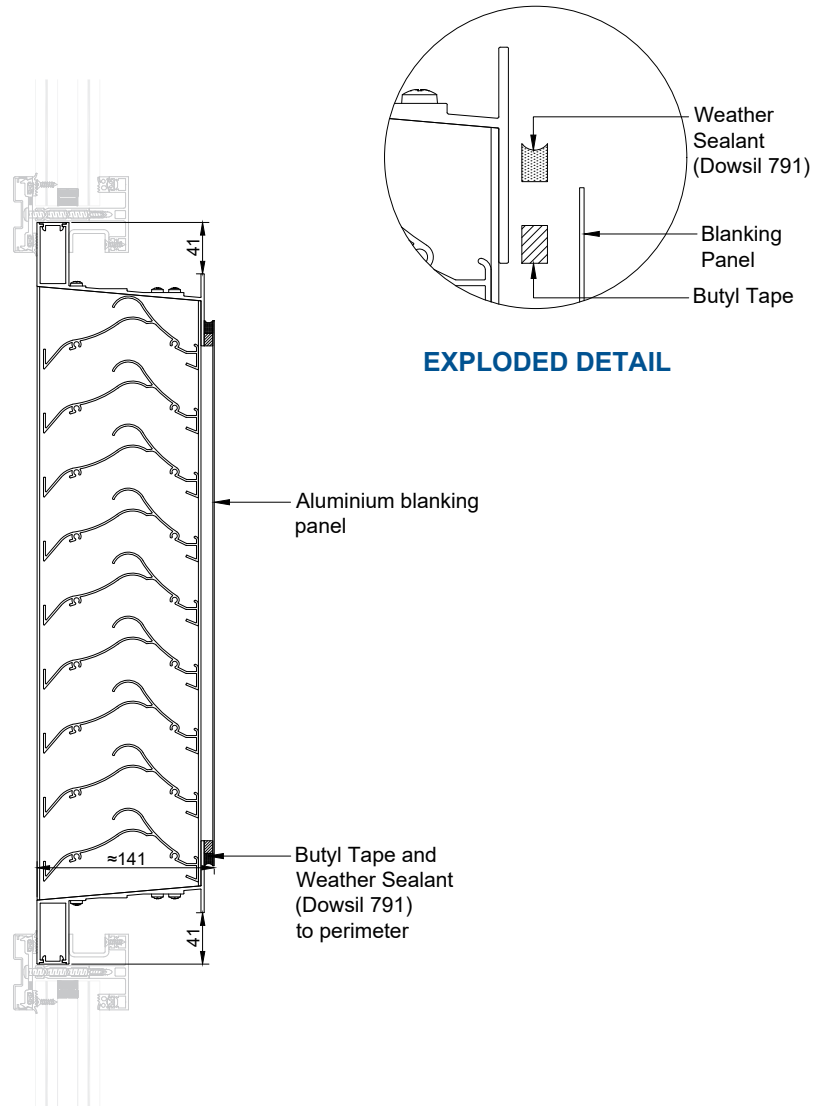
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Rain Defence Louvres

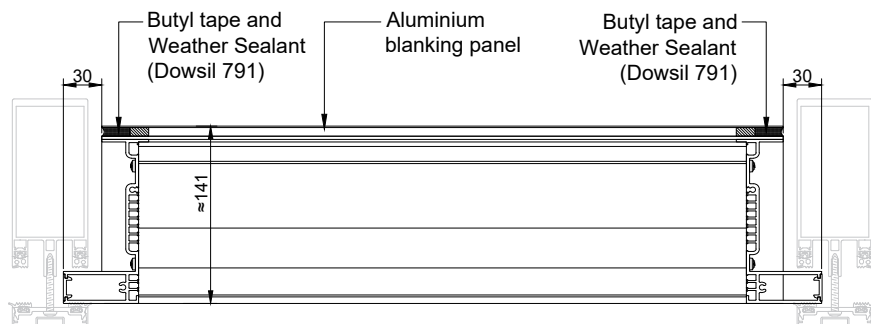
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25MM GLAZED-IN DETAIL

with Single Skin Blanking Panel



SECTION ON ELEVATION (1:6 @A4)



PLAN VIEW (1:6 @A4)

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25MM GLAZED-IN DETAIL

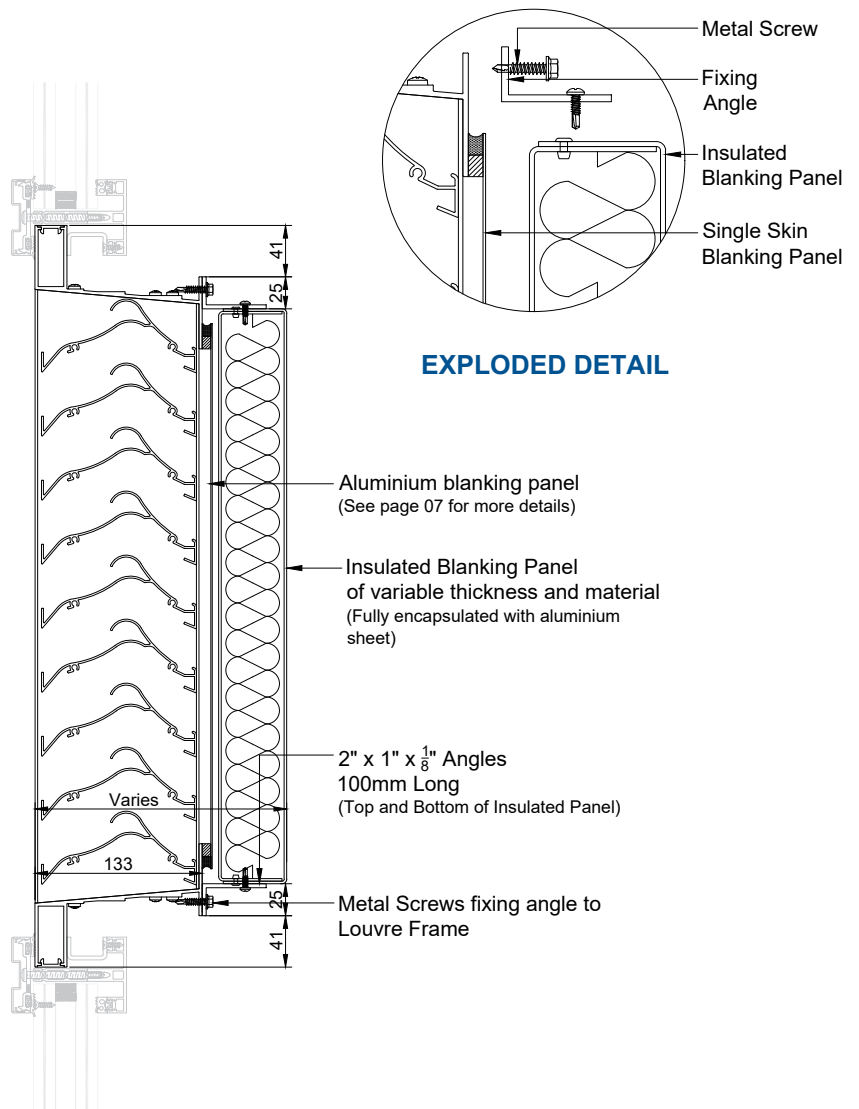
with Insulated Blanking Panel

NOTE:

Insulation material options include:

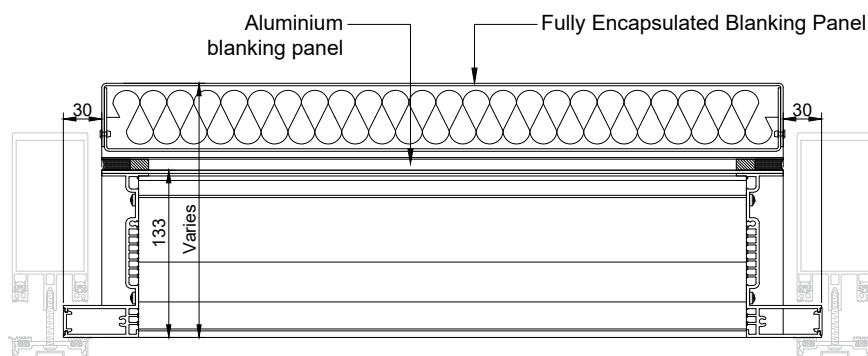
- Non-combustible, A1 classified (to EN 13501-1) high strength stone wool core faced with open filament net
- Extruded polystyrene core

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



EXPLODED DETAIL

SECTION ON ELEVATION (1:6 @A4)

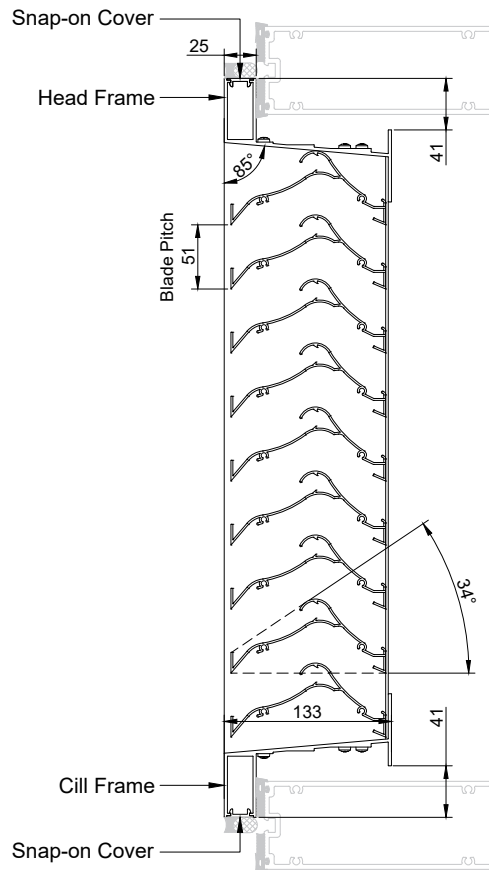


PLAN VIEW (1:6 @A4)

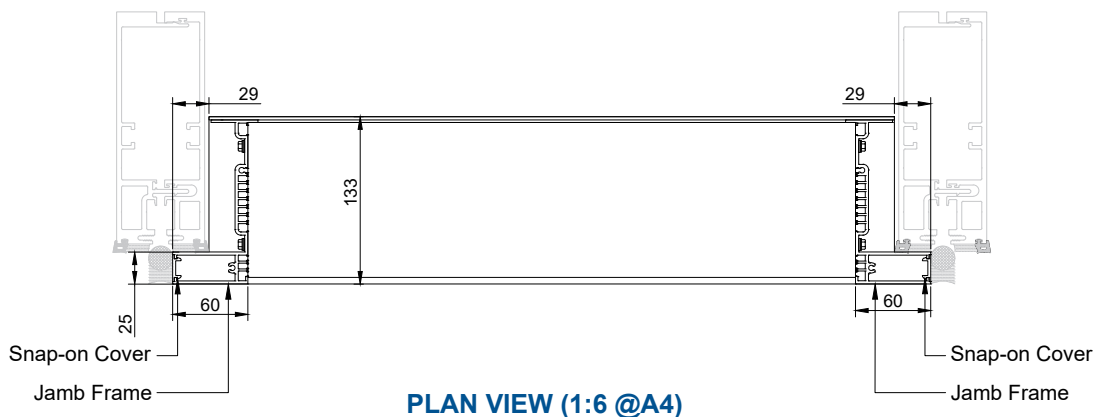
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STRUCTURAL SEALANT GLAZING (SSG) DETAIL



SECTION ON ELEVATION (1:6 @A4)



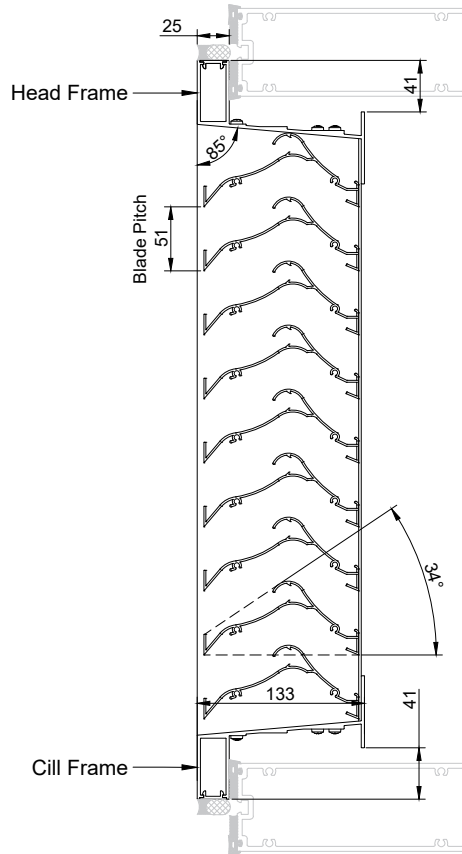
PLAN VIEW (1:6 @A4)

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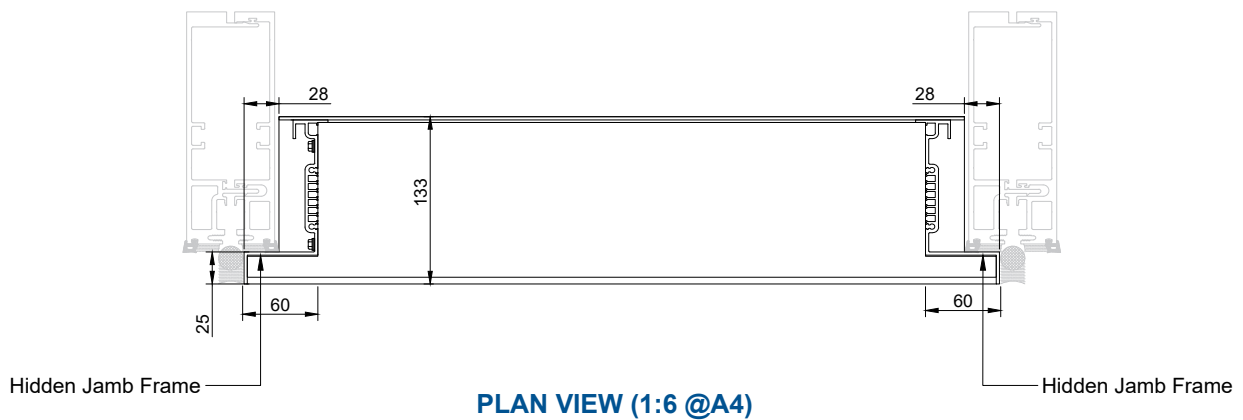
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STRUCTURAL SEALANT GLAZING (SSG) DETAIL

With Hidden Jamb



SECTION ON ELEVATION (1:6 @A4)

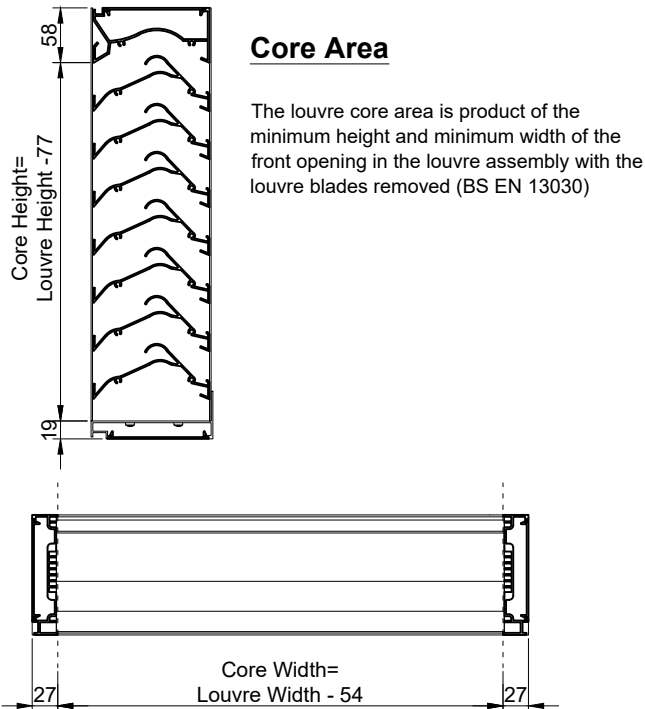


PLAN VIEW (1:6 @A4)

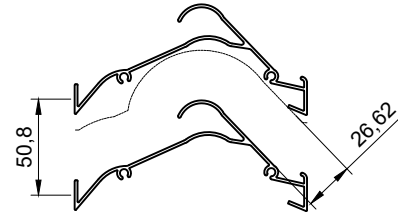
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APPENDIX A - FREE AREA



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, top blade and head, and bottom blade and cill, by the minimum distance between jambs.

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 - 37

A - No. of gaps between blades - 36

B - Top gap - 26.62mm

C - Blade gap - 26.62mm

D - Bottom gap - 0mm (Blanked Off)

E - Width between jambs - 1946mm

Total Free Area

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

$$((0.02662 + (0.02662 \times 36) + 0) \times 1.946) = 1.917\text{m}^2$$

Percentage Free Area

$$1.917/4 = 47.9\%$$

Approximate Free Area

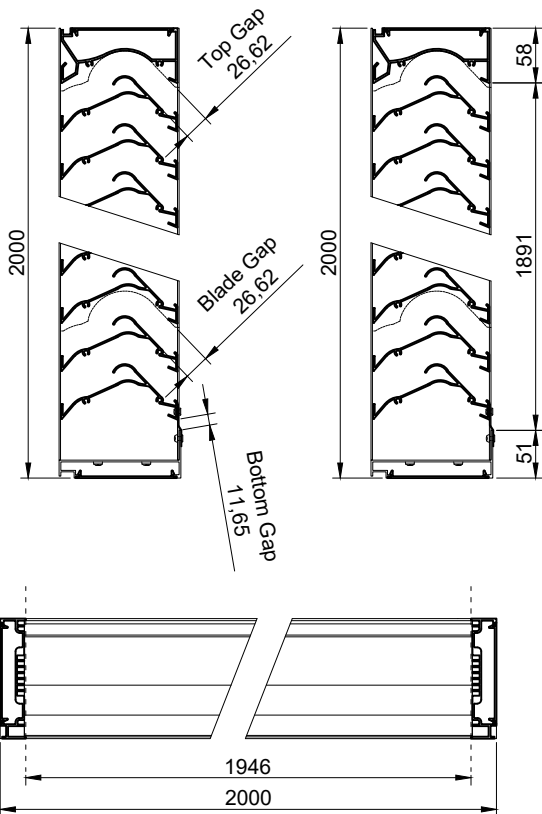
Total Free Area

Opening at rear of louvre x percentage free area between blades

$$1.891 \times 1.946 \times 52.4\% = 1.928\text{m}^2$$

Percentage Free Area

$$1.928/4 = 48.2\%$$



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