

Array 12mm

Designer: Woven Image

Application(s): Ceilings

Composition & Pattern

Composition	EchoPanel Baffles 100% PET (60%-80% post-consumer recycled PET)*
Hardware Composition	100% Powder coated Aluminium Alloy 6060
Colours Available	34
Additional Information	*As part of our ongoing commitment to sustainability, we are increasing the amount of post-consumer PET in EchoPanel 12mm, from 60% to 80%. We anticipate all stock to have transitioned by January 2025.

Kit & Box Content

Box Contents	Acoustic baffles plus hardware. Baffle quantities vary depending on design
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Dimensions & Weight

Dimensions	Hardware and baffle dimensions will vary per design, see drawing on spec.
Unit of Sale	Box
Unit of Sale Net Weight (kg)	21

Performance

Fire Test Result	ISO 9705: Group 1, BS EN 13501.1: Classification B - s1, d0, ASTM E84 Unadhered: Class 1 or A, BS EN 45545-2 + A1 Annex C: CIT: 0.05, AS 1530.3, GB 8624 B1
Acoustic Performance Standard Test Method	AS ISO 354: 2006 (R2016), AS ISO 11654: 2002 (2016), ASTM C423 - 17
Noise Reduction Coefficient (NRC) Result	Direct fix: 0.70
Sound Absorption Average (SAA) Result	Direct fix: 0.68
Weighted Sound Absorption Coefficient (α_w) Result	Direct fix: 0.65(H)
Sound Absorption Class	C (Direct fix)
Equivalent Absorption Area (A_{eq}) in m^2 Sabins	Direct fix: 125Hz = $0.14m^2$, 250Hz = $0.39m^2$, 500Hz = $0.42m^2$, 1000Hz = $0.53m^2$, 2000Hz = $0.72m^2$, and 4000Hz = $0.77m^2$
Additional Acoustic Information	Baffles tested were 2400mm x 300mm x 12mm, at 300mm spacing/centres. H = High Frequency
Colour Fastness to Light Standard Test Method	ISO 105 B02
Colour Fastness Light Rating	6 - 7
Light Reflectance Standard Test Method	ASTM E1477

Sustainability

VOC Emissions Results	EchoPanel 12mm achieves ASTM D5116 - 2017: TVOC Emissions Rate: $0.033mg/m^2/hr$ (24hrs); Formaldehyde Emissions Rate: $0.07mg/m^2/hr$. CDPH Standard Method v1.2 - 2017 (CA 01350): TVOC Emissions Rate: $0.013mg/m^3$; Formaldehyde Emissions Rate: $<1\mu g/m^3$
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Sustainability Performance Details

EchoPanel achieves GreenTag Certification GreenRate: Level A & Health Rate Platinum, Red List Free, and has an International Living Future Institute Declare Label. Array Baffles meet the sound reducing ceiling treatment requirements to attract points under feature S04 of WELL™ Standard v2.

Instructions

Additional Information

See Woven Image EchoPanel Care & Cleaning Guide.
See Woven Image Array Installation Guide.

Exact colour matching cannot be guaranteed between batches. Fibre mix and web variation are natural characteristics of this product.

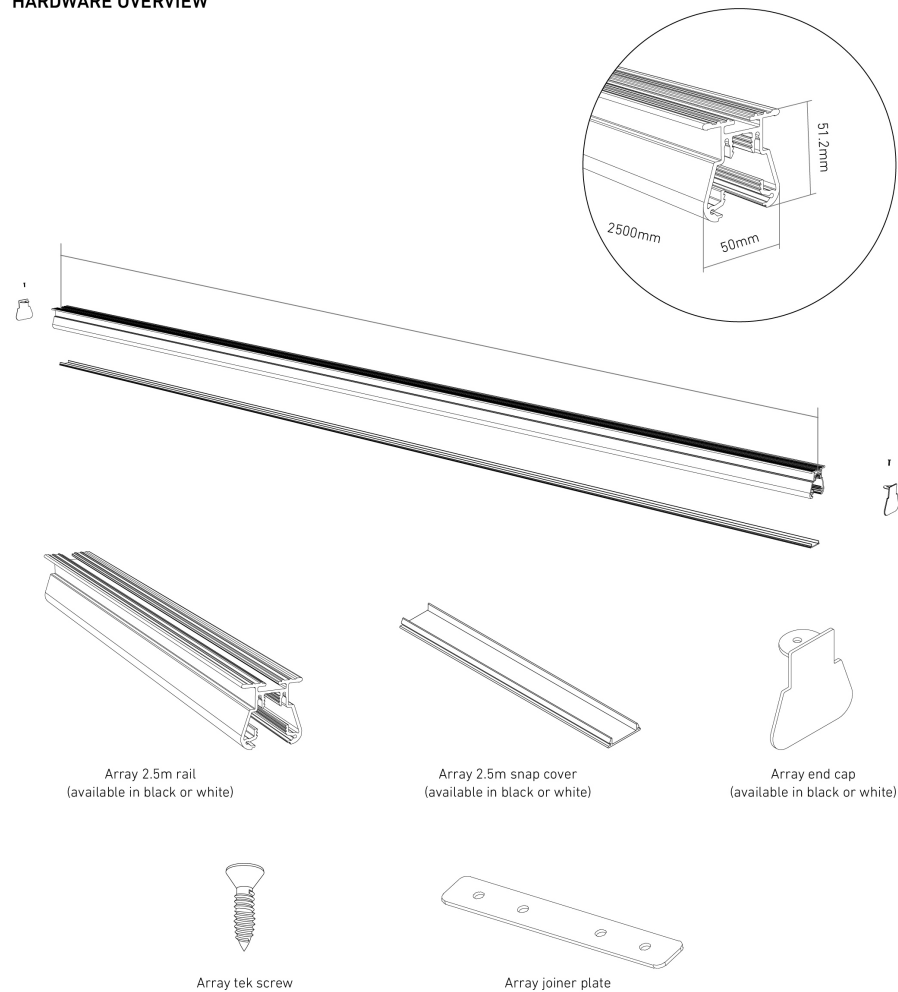
ARRAY ACOUSTIC CEILING SYSTEM (AACS)

OVERVIEW



The Array Acoustic Ceiling System (AACS) is a fully scalable acoustic ceiling system that accommodates 12mm & 24mm EchoPanel® baffles. It features streamlined aluminium hardware that has been engineered for easy installation, and can be used in both ceiling or wall applications. Below hardware all sold separately.

HARDWARE OVERVIEW



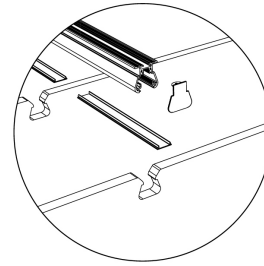
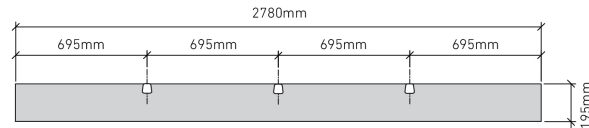
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BEAM 200

ECHOPANEL® 12mm BAFFLE DESIGN

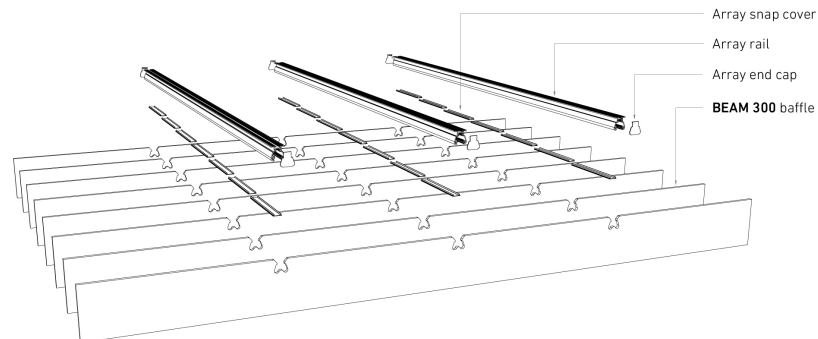
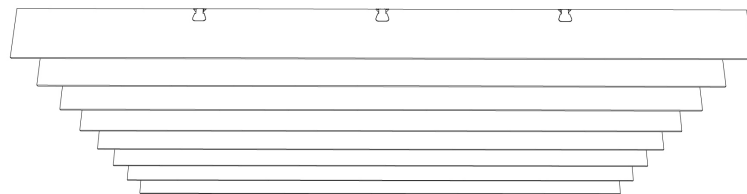
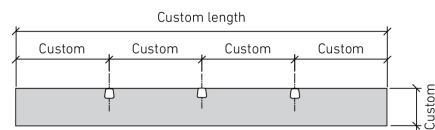


STANDARD BAFFLE SIZE



CUSTOM LENGTHS ON REQUEST

(Maximum length 2780mm)



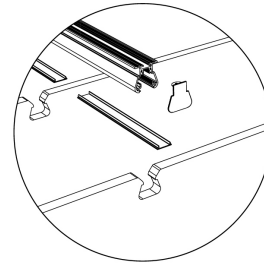
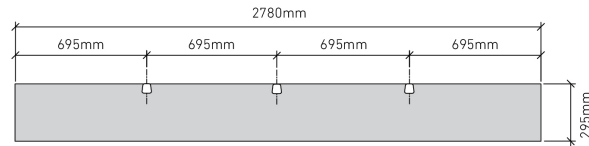
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BEAM 300

ECHOPANEL® 12mm BAFFLE DESIGN

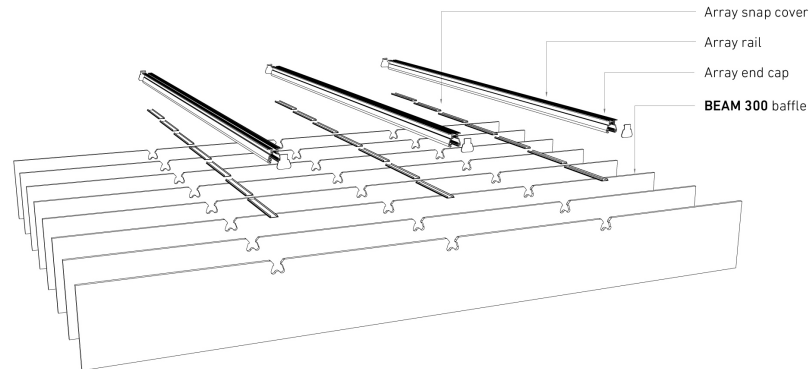
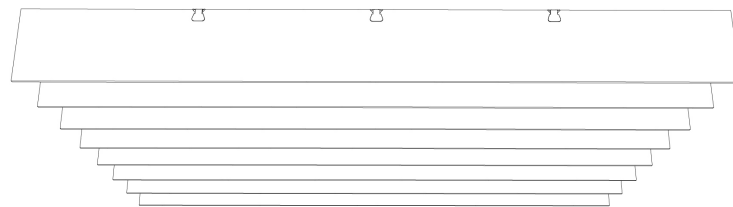
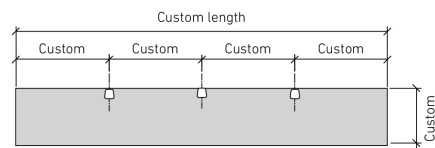


STANDARD BAFFLE SIZE



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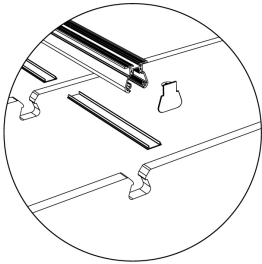
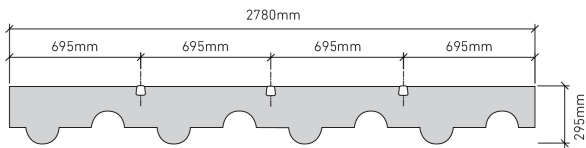
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CATHEDRAL

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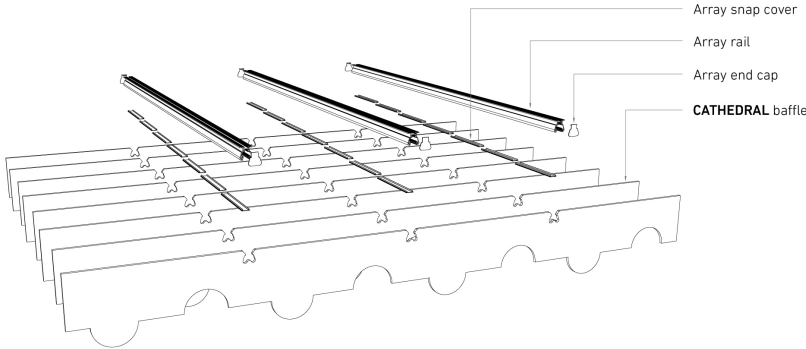
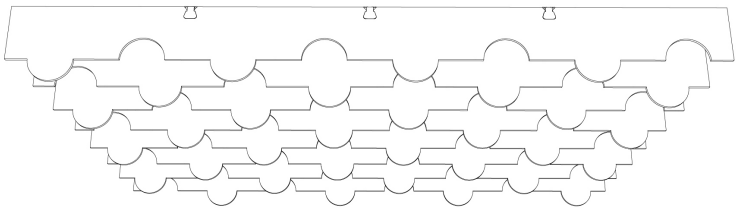
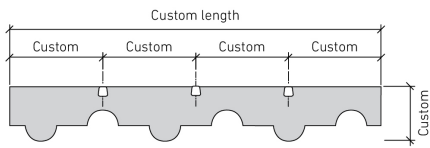


STANDARD BAFFLE SIZE



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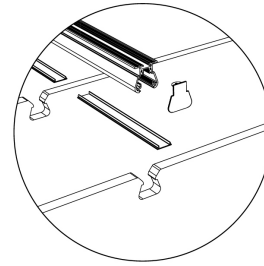
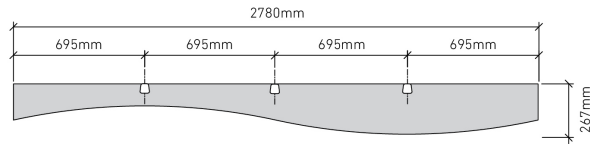
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FLOW

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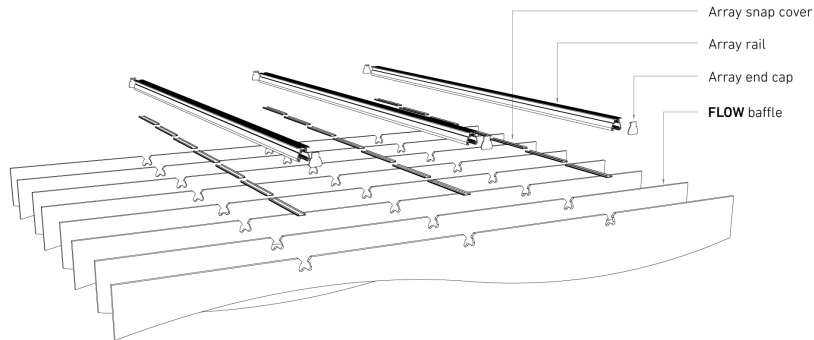
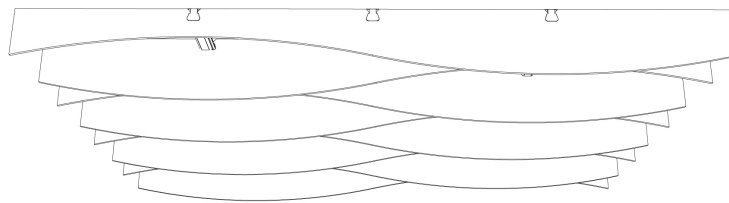
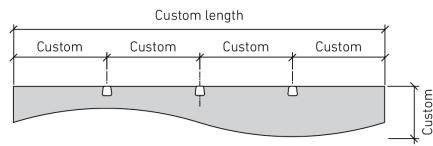


STANDARD BAFFLE SIZE



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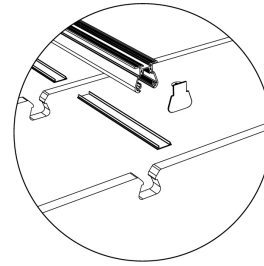
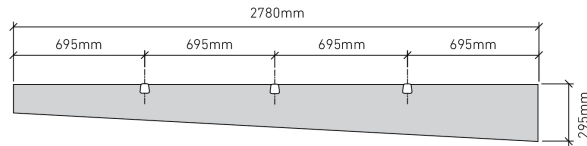
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TAPER

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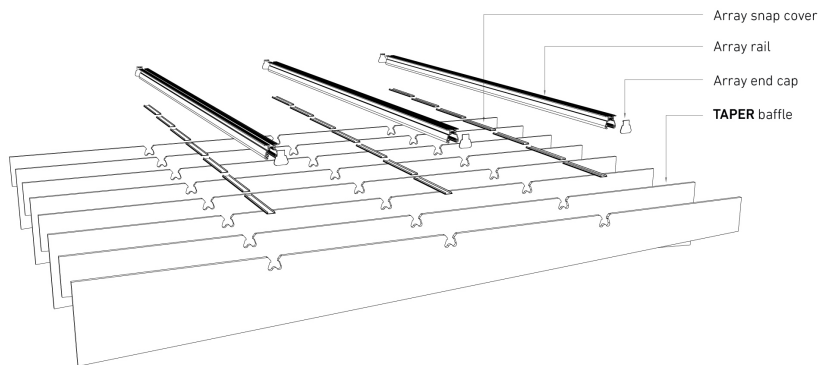
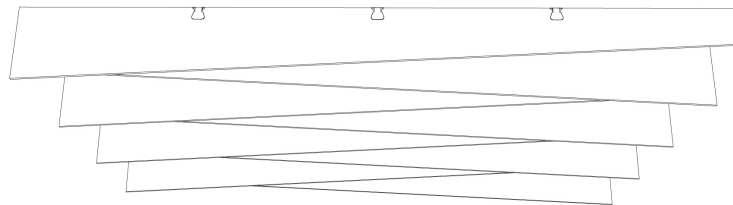
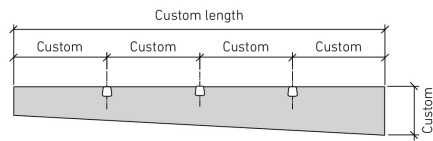


STANDARD BAFFLE SIZE



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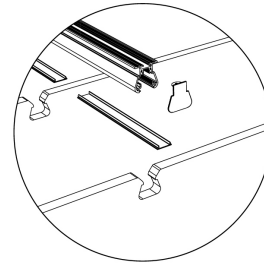
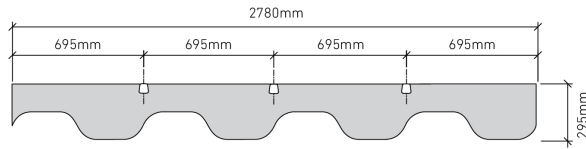
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TURRET

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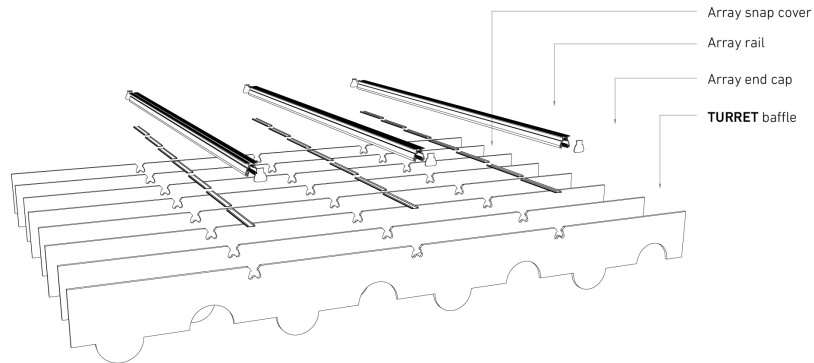
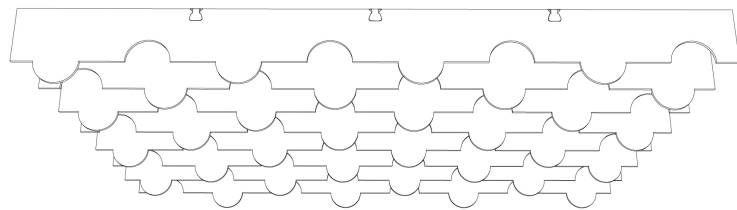
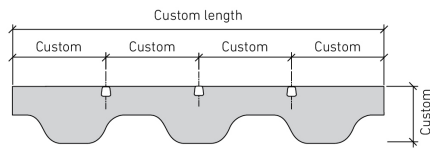


STANDARD BAFFLE SIZE



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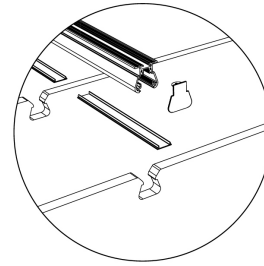
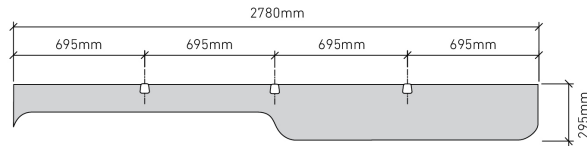
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VALLEY

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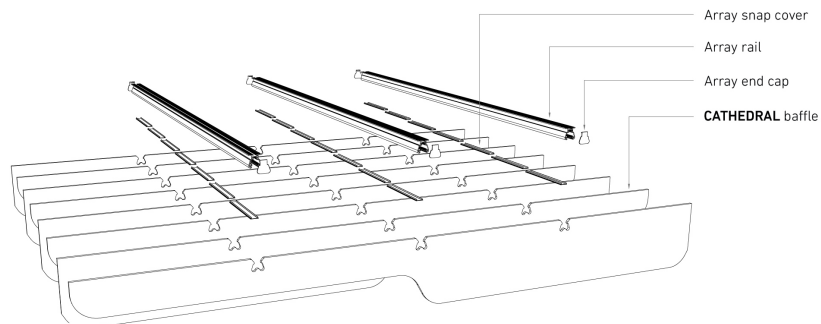
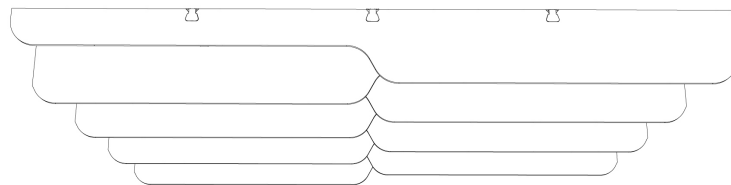
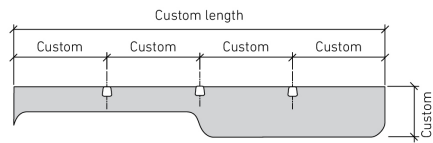


STANDARD BAFFLE SIZE



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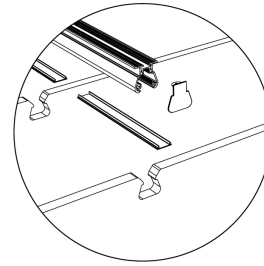
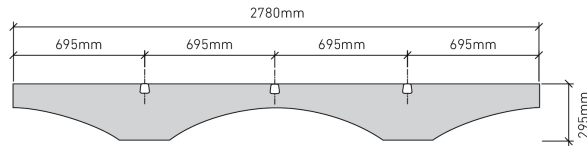
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VIADUCT

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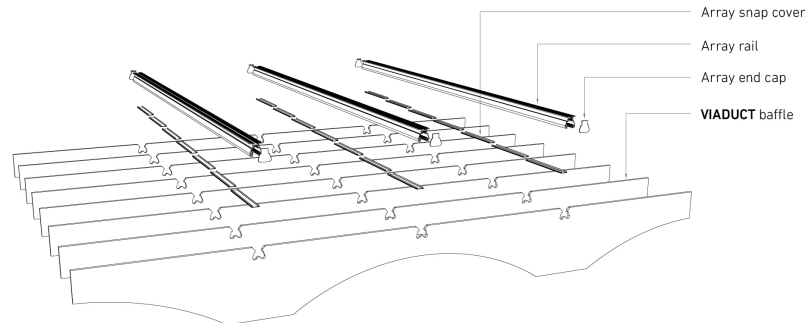
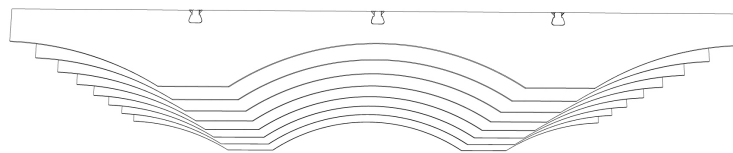
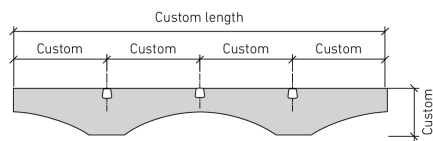


STANDARD BAFFLE SIZE



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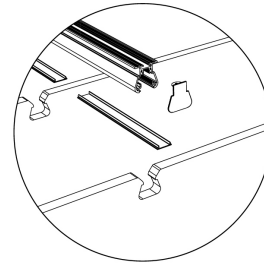
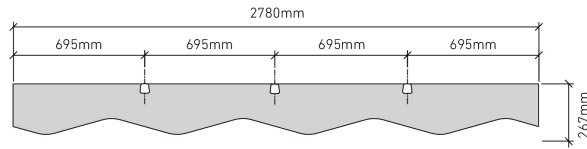
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WAVE

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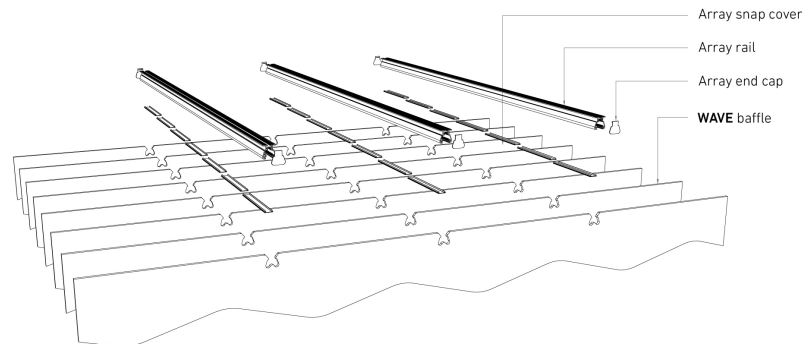
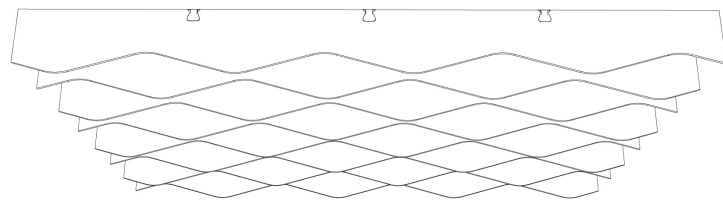
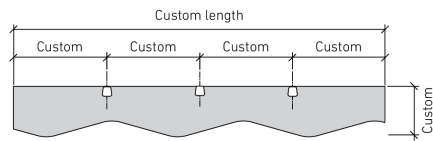


STANDARD BAFFLE SIZE



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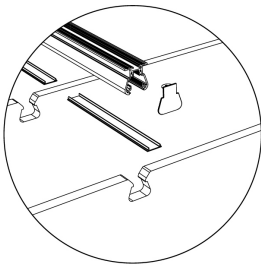
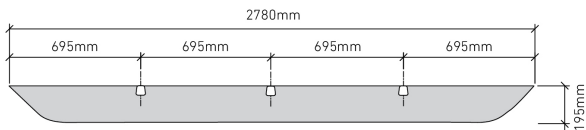
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WEDGE 200

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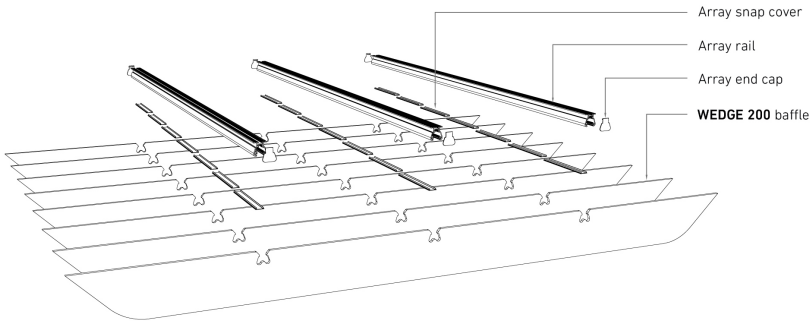
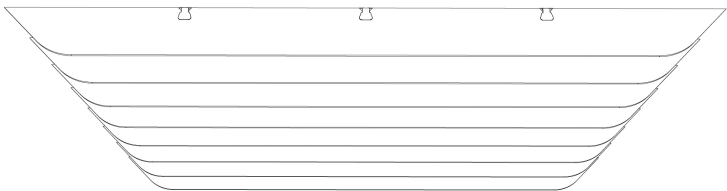
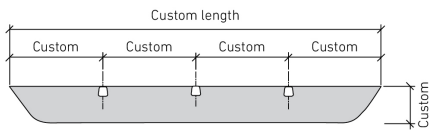


STANDARD BAFFLE SIZE



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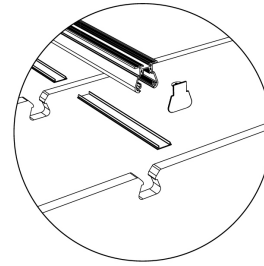
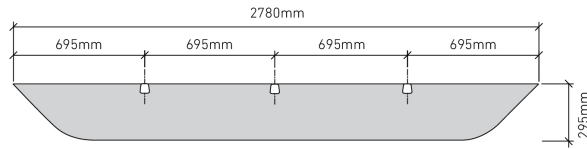
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WEDGE 300

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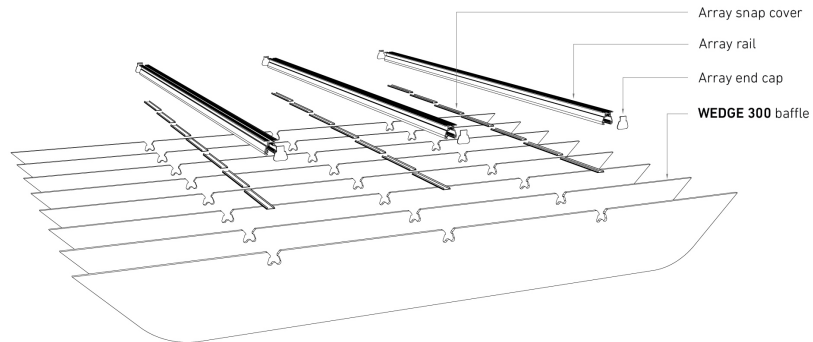
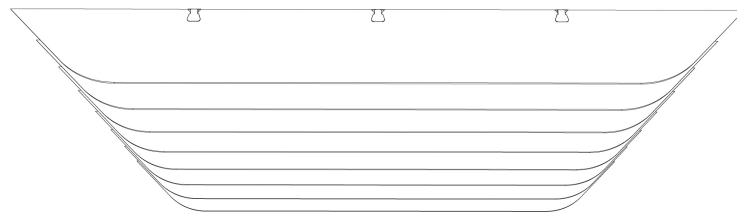
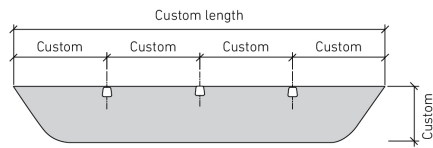


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