THE ACOUSTICS COMPANY

BEAM

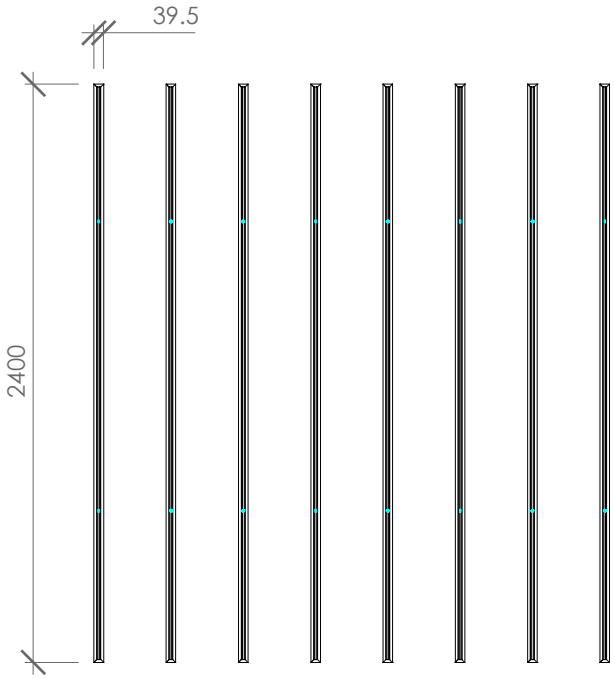
Batten Baffles

PRODUCT INFO

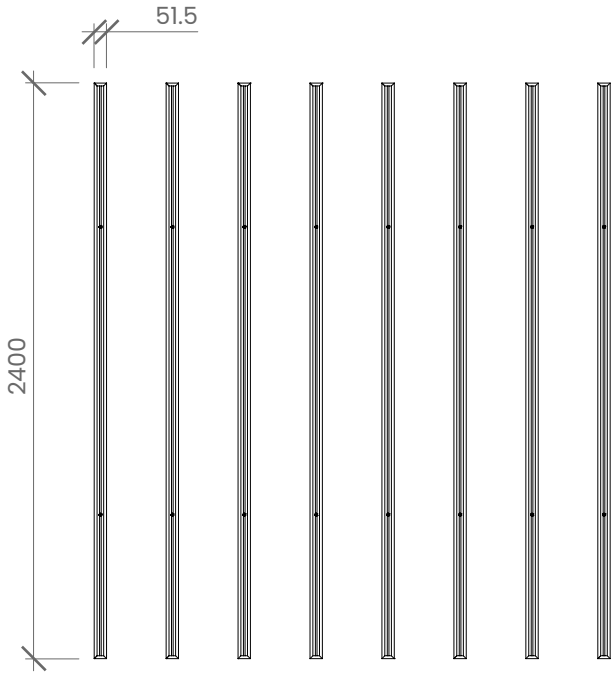
Beam are a cost effective timber effect acoustic baffle. It can be printed to endless wood textures to match any interior space. Choose from a selection of standard designs and sizes, or create your own by taking advantage of our CNC cutting equipment and UV printing facility.

It features a built in Tech Rail suspension system that includes a rail and two fixings for a quick and easy installation. Beam is the ultimate batten aesthetic without compromising on exceptional acoustic performance.

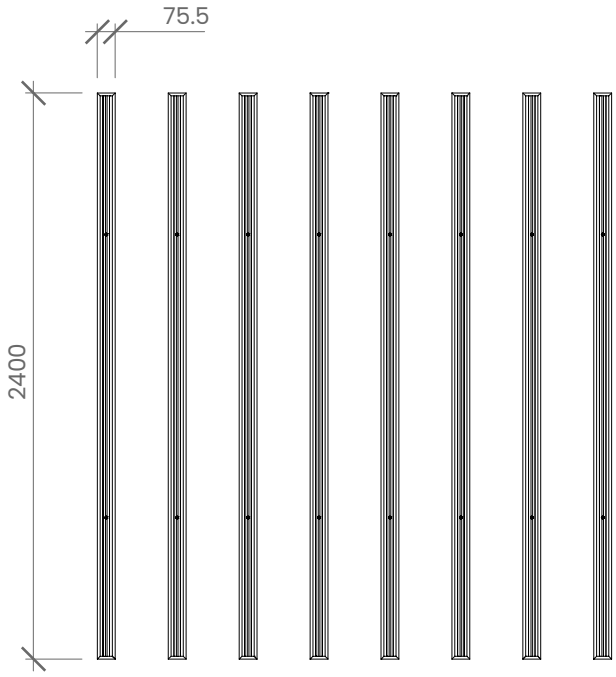
BEAM DESIGNS



LINEAR 38



LINEAR 50

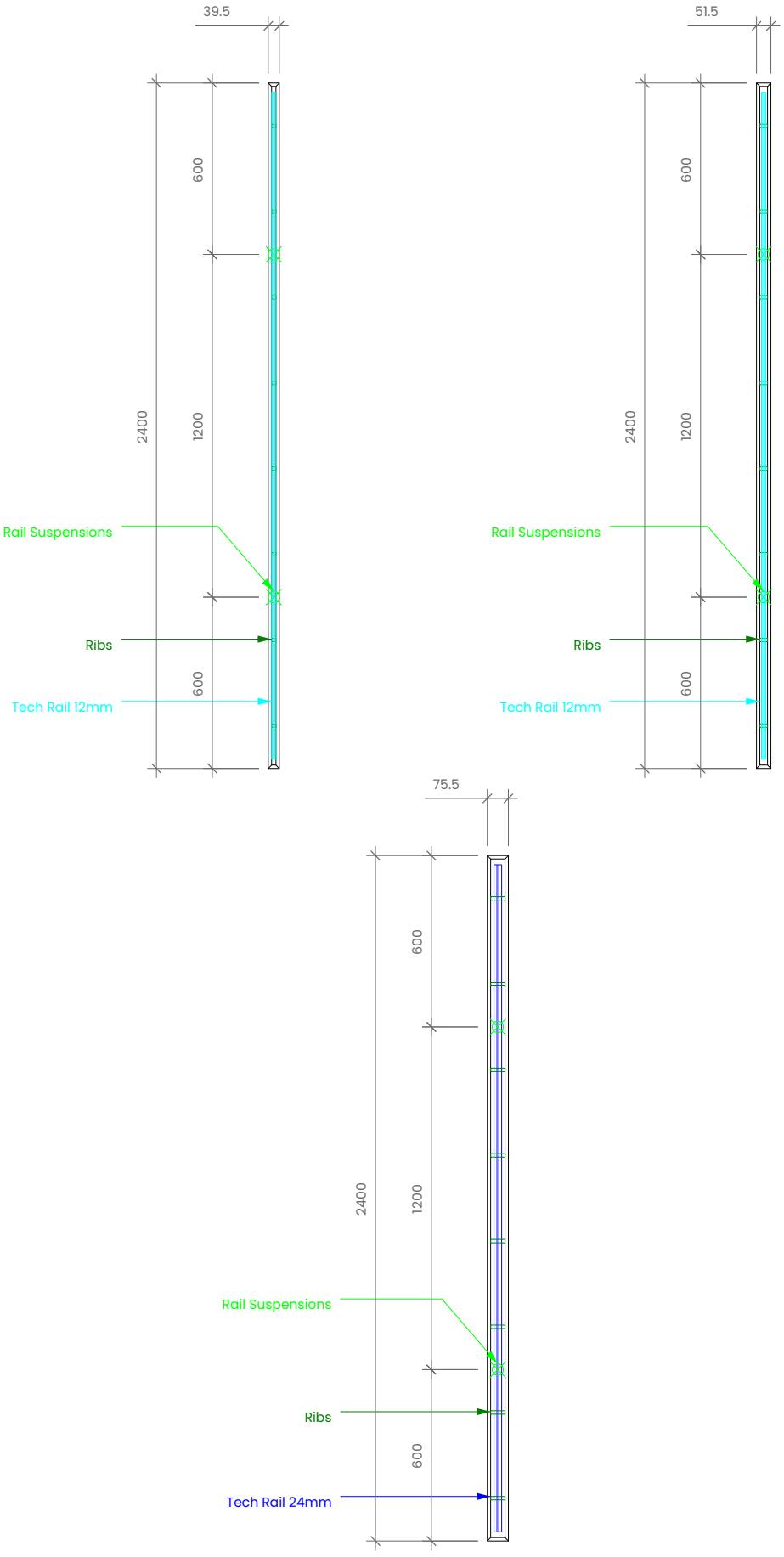


LINEAR 75

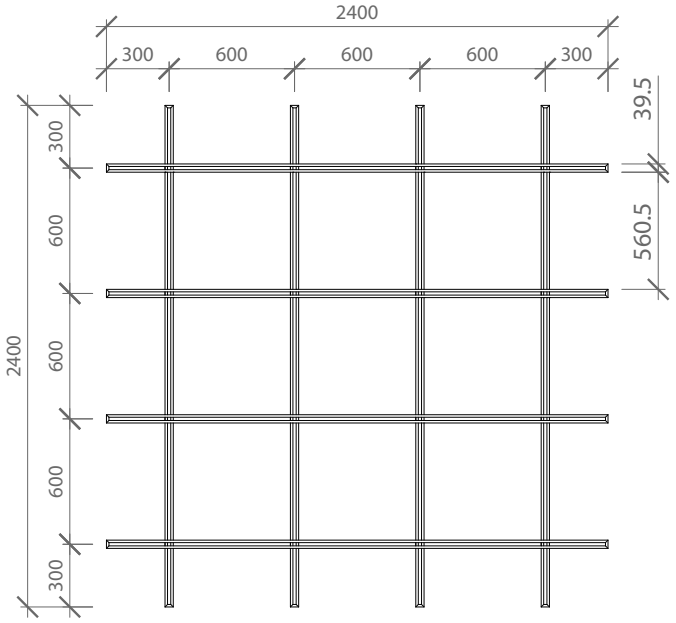
PRODUCT	ARTICLE	DIMENSION	THICKNESS
Linear 38	03CTBEA-LIN001	Modular Baffle Dimensions	39.5mm
Linear 50	03CTBEA-LIN002	Modular Baffle Dimensions	51.5mm
Linear 75	03CTBEA-LIN003	Modular Baffle Dimensions	75.5mm

LINEAR TOP VIEW

Available Heights: 100mm, 150mm, and 200mm



FREE GRID



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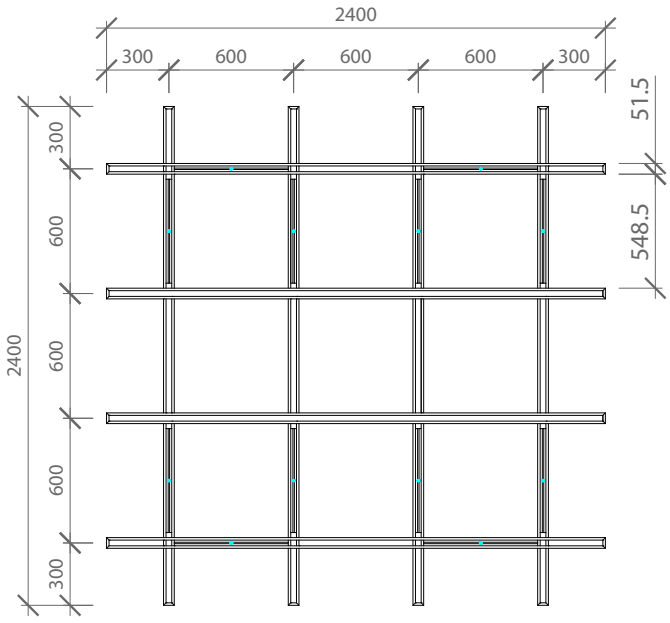

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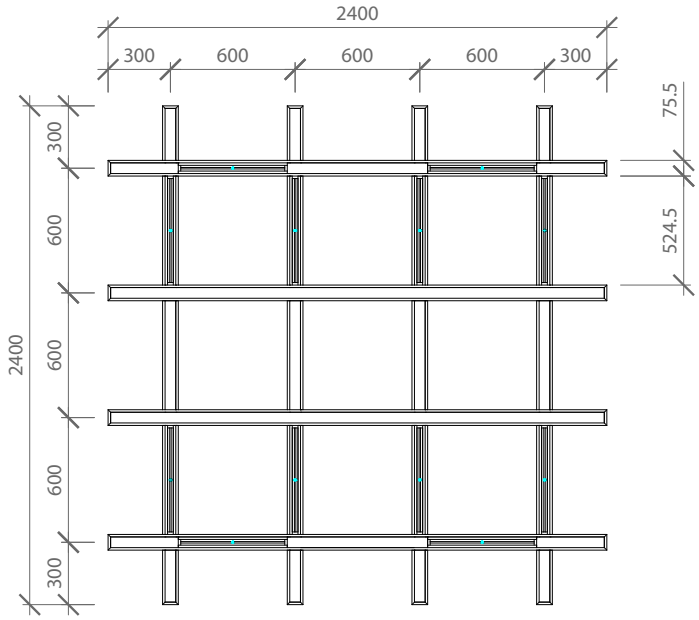
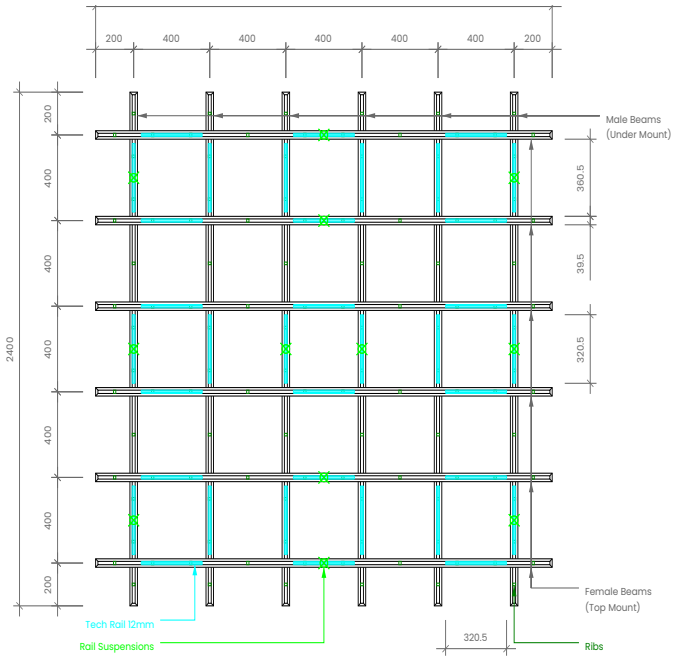


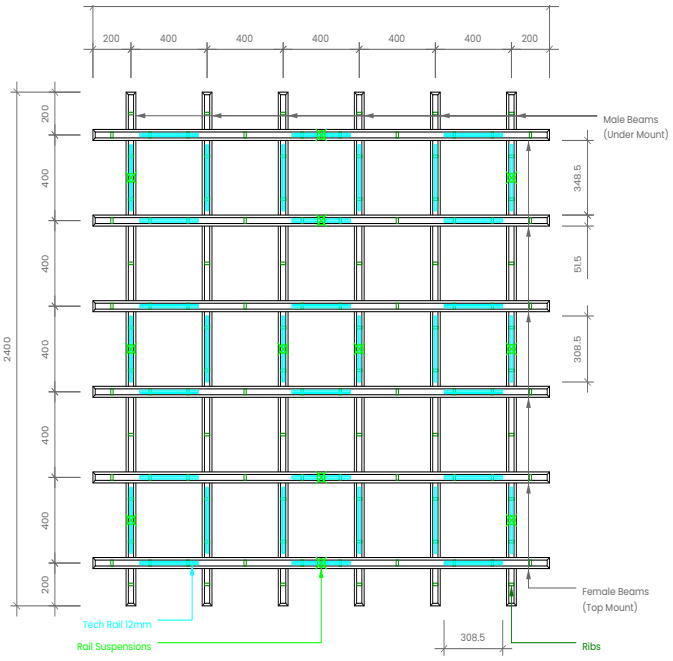
FREEGRID 75

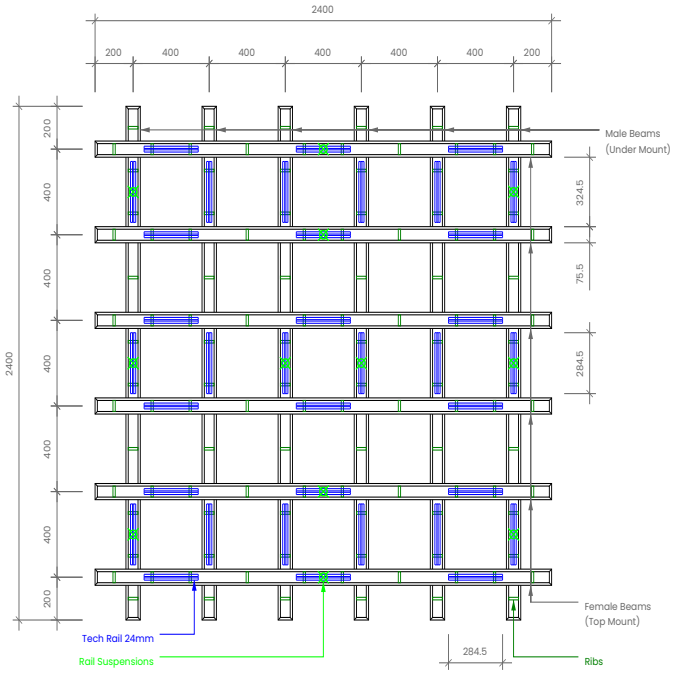
PRODUCT	ARTICLE	DIMENSION	THICKNESS
FreeGrid 38	03CTBEA-FRE001	Modular Baffle Dimensions	39.5mm
FreeGrid 50	03CTBEA-FRE002	Modular Baffle Dimensions	51.5mm
FreeGrid 75	03CTBEA-FRE003	Modular Baffle Dimensions	75.5mm

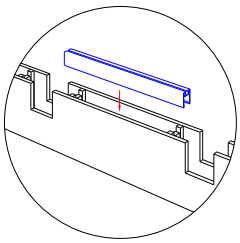
FREE GRID TOP VIEW (400x400)

Available Heights: 100mm, 150mm, and 200mm

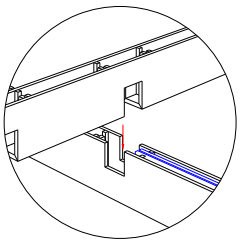








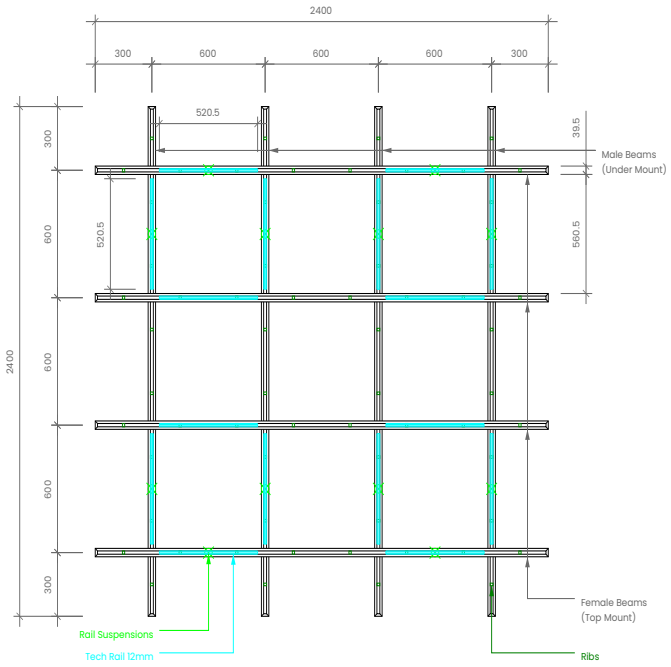
TECH RAIL FIXING DETAIL

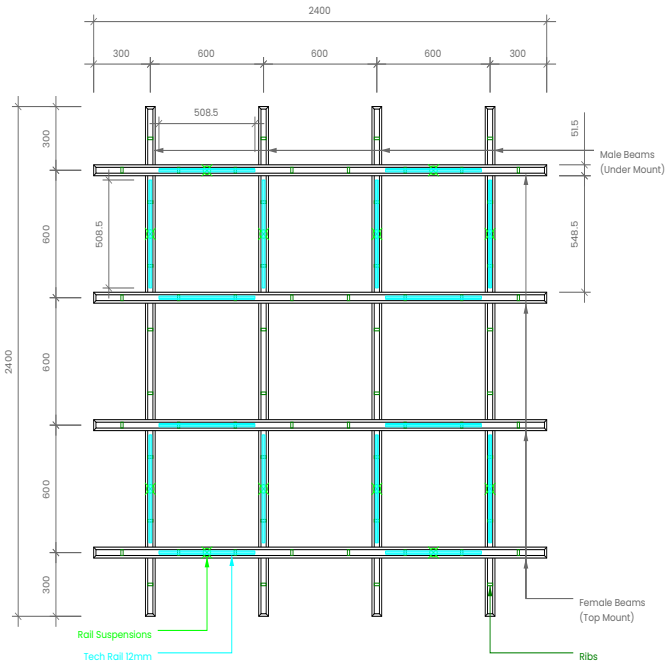


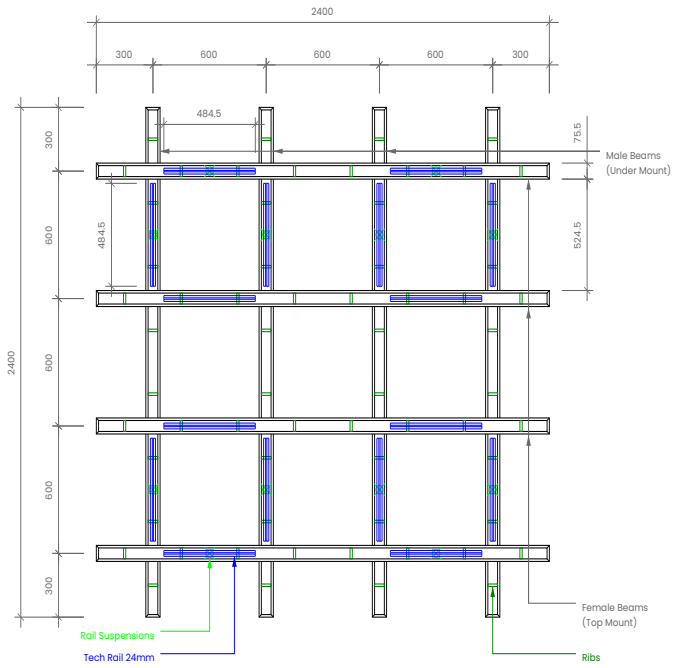
PANEL INTERLOCKING DETAIL

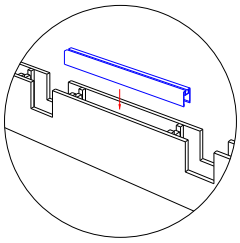
FREE GRID TOP VIEW (600x600)

Available Heights: 100mm, 150mm, and 200mm

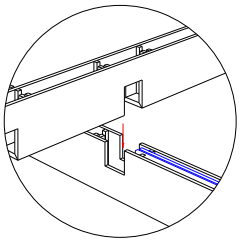






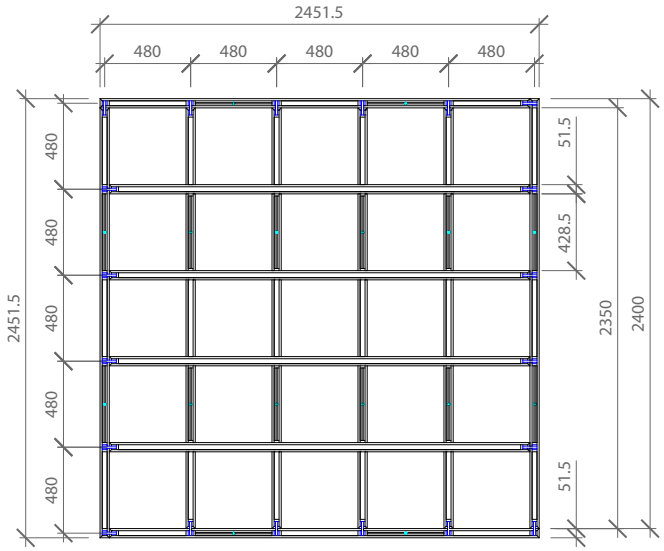


TECH RAIL FIXING DETAIL

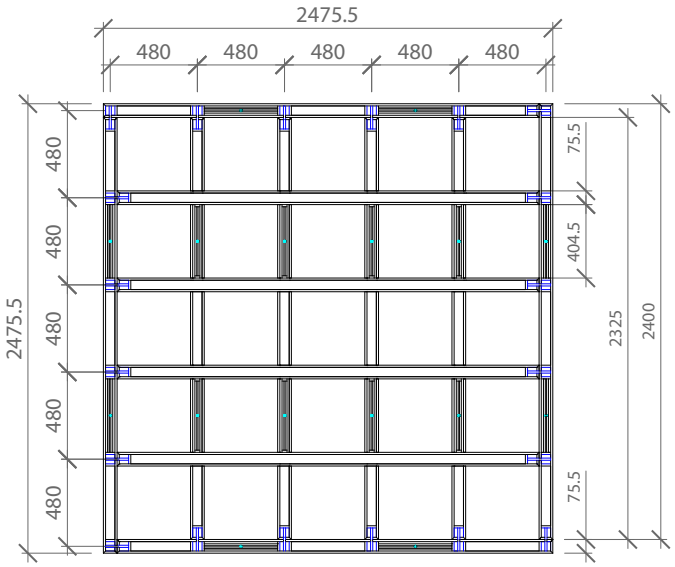


PANEL INTERLOCKING DETAIL

FULL GRID



FULLGRID 50

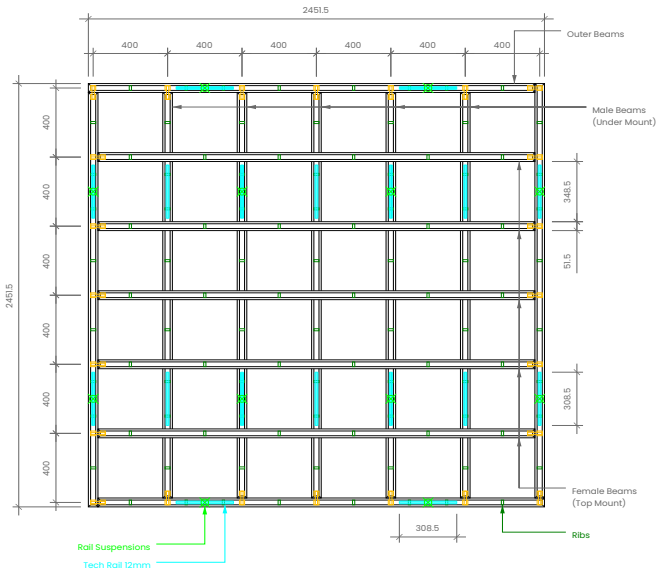


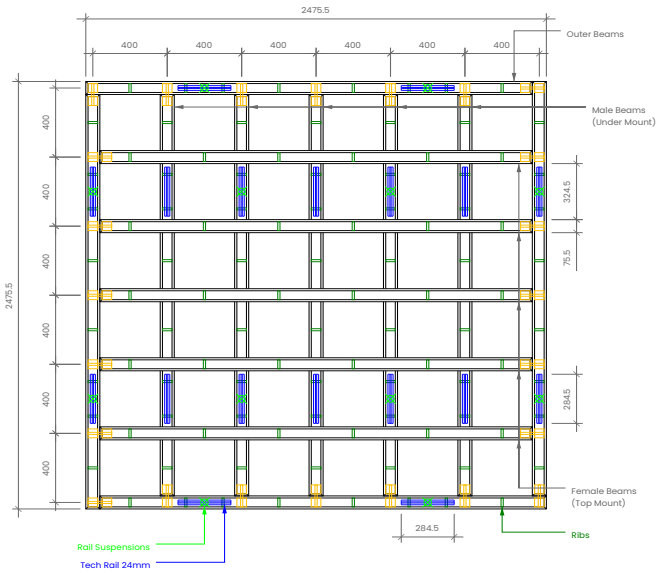
FULLGRID 75

PRODUCT	ARTICLE	DIMENSION	THICKNESS
FullGrid 50	03CTBEA-FUL001	Modular Baffle Dimensions	51.5mm
FullGrid 75	03CTBEA-FUL002	Modular Baffle Dimensions	75.5mm

FULL GRID TOP VIEW (400x400)

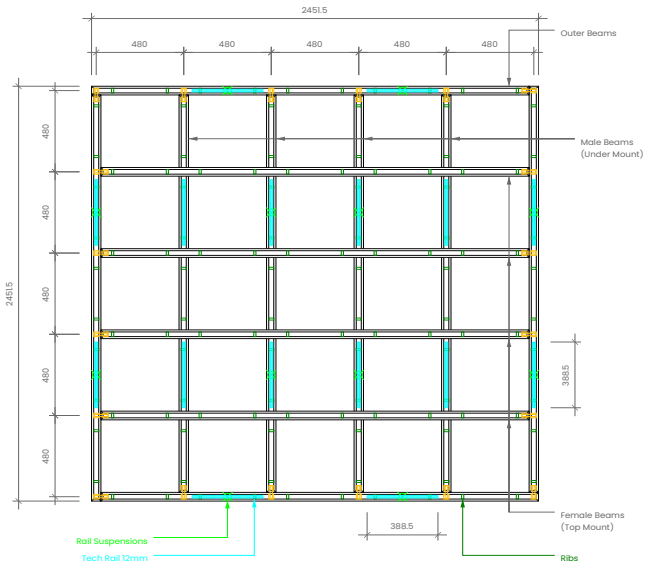
Available Heights: 100mm, 150mm, and 200mm

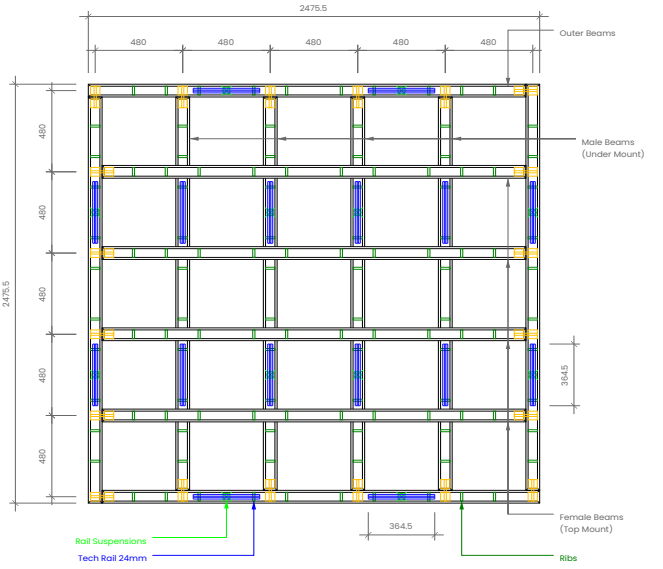


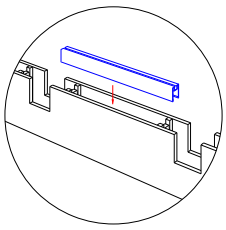


FULL GRID TOP VIEW (480x480)

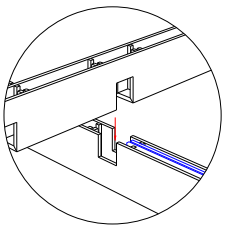
Available Heights: 100mm, 150mm, and 200mm



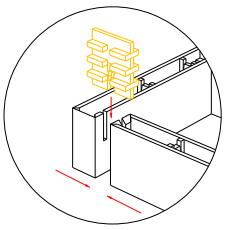




TECH RAIL FIXING DETAIL



PANEL INTERLOCKING DETAIL



BEAM CONNECTOR DETAIL

MATERIAL INFORMATION

COMPOSITION:	75% Recycled PET Fibre | 25% Virgin Fibre
FIRE RATING:	12mm EN13501-1:2007+A1:2009 B - S1, D0
DENSITY:	2.4kg/m² (12mm)
ACOUSTICS:	Class D Absorber

*Our Alpha panels have a Thickness Tolerance of ±1 mm and a Length & Width Tolerance of ±3 mm

FINISHES

Beam is made with high quality recycled PET panels. The selection has different colours that would compliment any interior space and concept. Please refer to the QR codes below:

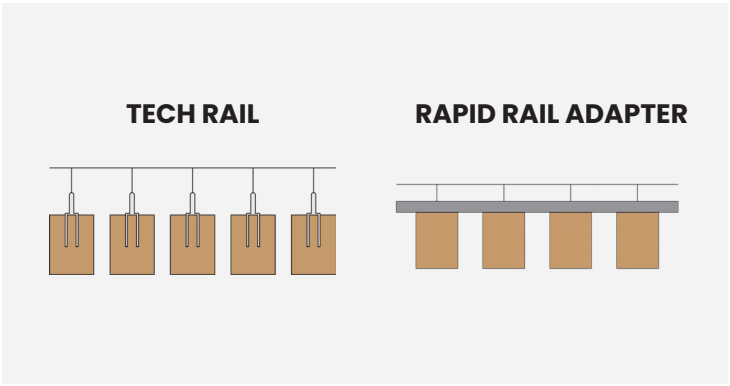
Finishes
Scan the code or visit
www.acousticscompany.com/finishes

Catalogue
Scan the code or visit
https://acousticscompany.com/wp-content/uploads/2023/07/PRODUCT-BROCHURE-2025.pdf

INSTALLATION

The Acoustics Company cater for all project budgets and have multiple fixing methods.

Beam baffle system can be installed using the following method:



DESIGN TIPS

These are just some design tips you can do in order to maximise the full potential of our Beam products:

1. The dimensions of the baffles can impact both aesthetics and functionality. Experiment with different lengths, widths, and depths to achieve the desired visual impact and acoustic performance.
2. Beam is good in both small and large areas. The versatility of beam as modular unit can be turned into a bespoke ceiling solution.
3. Beams can go well with other ceiling treatment products such as acoustic lighting, ceiing rafts, and even the other baffle systems.
4. Beam colours can be printed using our UV printers. Make sure to find the best texture that will compliment your space in our print collection.

ACOUSTIC PERFORMANCE

The acoustic performance of materials refers to their ability to absorb, reflect, or transmit sound waves. This concept is crucial in architecture, interior design, and engineering, as it determines how sound behaves in a space. Materials with good acoustic performance can reduce noise levels, improve speech intelligibility, and create more comfortable and functional environments by controlling reverberation and sound transmission.

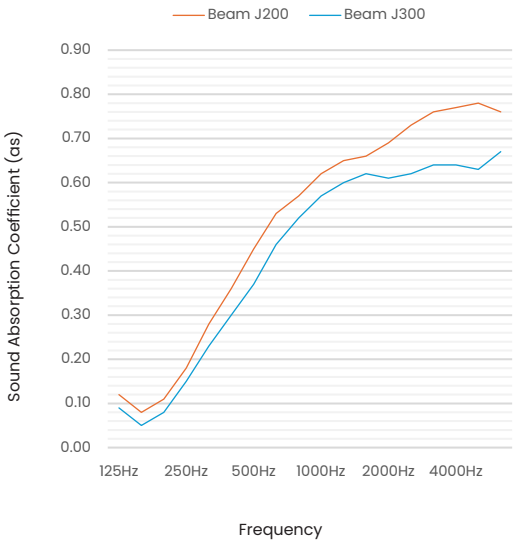
TESTING STANDARDS

ISO 354	Measurement of sound absorption in a reverberation room
ISO 11654	Sound absorbers for use in buildings — Rating of sound absorption
ASTM C423-17	Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ACOUSTICS:	Sound absorbers for use in buildings — Rating of sound absorption

ACOUSTICALLY TESTED BEAM	aw	NRC	CLASS
Beam J200	0.50(H)	0.55	D
Beam J300	0.50(H)	0.50	D

For aw, it is strongly recommended to use this single-number rating in combination with the complete sound absorption curve that can be obtained on request.

FREQUENCY (Hz)	125	250	500	1000	2000	4000
Beam J200	0.10	0.25	0.50	0.65	0.75	0.75
Beam J300	0.05	0.25	0.45	0.60	0.60	0.65



Weighted Sound Absorption Coefficient (aw) - Measured in accordance with ISO 11654. Practical sound absorption coefficient ap values at given standard frequencies are compared with reference curve aw.

Noise Reduction Coefficient (NRC) - The mean average as value at frequencies 250, 500, 1000 and 2000 Hz.

Absorption Class – Levels of comparison of absorption values against a reference curve with A as highest and E as lowest. Measured in accordance with ISO 11654.

Practical Sound Absorption Coefficient (ap) - The average of the three as values centered on the 1/3 octave band center frequency, measured in accordance with EN ISO 354.

Note: The sound absorption values provided in this product sheet are subject to change without prior notice from The Acoustics Company. For the most current and accurate technical specifications, please contact our Sales Team directly.

THE
ACOUSTICS
COMPANY

SGS

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Red List Free

U.S. GREEN BUILDING COUNCIL
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