

V I B E ^{by} **VISION**
ACOUSTIC SOLUTIONS

**Autism-Friendly
Acoustic Design
Solutions**



Introduction

Autism is a neurodevelopmental disorder that affects social interaction, communication, and sensory processing.

Many individuals with autism are highly sensitive to sensory stimuli, including noise, which can be overwhelming and distressing for them.

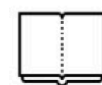
By implementing an acoustic design solution, we can create an environment that is tailored to their unique sensory needs, enabling them to thrive.



Sensory



Social



Academic



Architectural



Operational



Technological



Wayfinding



Acoustics



Spatial Sequencing



Escape



Compartmentalisation



Transition



Sensory Zoning



Safety



V

silence

Sound

One of the primary benefits of an acoustic design solution is the reduction of excessive noise levels. Individuals with autism often experience hypersensitivity to sounds, making them more susceptible to sensory overload.

Common environmental noises, such as background chatter, echoes, or mechanical sounds, can be highly disruptive and cause anxiety, stress, or even physical pain. By incorporating sound-absorbing materials, such as acoustic panels, curtains, or carpets, the overall noise level can be effectively reduced.

This helps create a quieter and more peaceful environment, enabling individuals with autism to better focus, concentrate, and engage with their surroundings.

In addition to reducing noise levels, an acoustic design solution can help regulate the acoustic environment, making it more predictable and controlled. Individuals with autism often thrive in structured and routine-based environments. Unpredictable or sudden noises can be particularly distressing for them.

By implementing acoustic treatments that minimize sound reflections and control sound propagation, the auditory environment becomes more stable and consistent. This predictability helps individuals with autism feel more at ease, reducing anxiety and facilitating their ability to navigate and interact within the space.





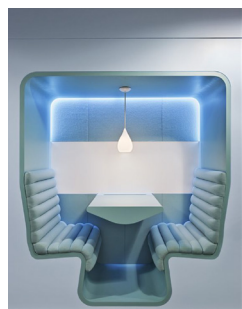
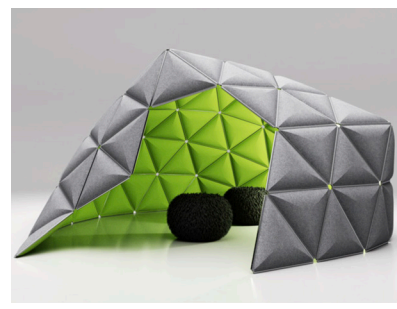
design

Inclusive Design

Furthermore, an acoustic design solution can contribute to creating a more inclusive and supportive environment for individuals with autism.

Sensory-friendly spaces are crucial for their comfort, well-being, and participation in various activities. Acoustic treatments, such as soundproofing walls, resilient flooring, or specialized quiet areas, can be implemented to address specific sensory needs.

Such design solutions play a vital role in enhancing their overall well-being, comfort, and ability to thrive in various settings, ultimately contributing to a more inclusive and accommodating society.



Sensory Zoning

Creating spaces that are designed with consideration for the sensory sensitivities of individuals with autism promotes a sense of acceptance, inclusion, and empowerment. It allows them to engage in education, work, therapy, or leisure activities without being overwhelmed by sensory stimuli, fostering independence and confidence.

In conclusion, an acoustic design solution in the interior can significantly benefit individuals with autism by creating a sensory-friendly environment that supports their unique needs. By reducing noise levels, regulating the auditory environment, improving speech intelligibility, and promoting inclusivity, acoustic treatments enable individuals with autism to navigate, communicate, and participate in their environment more effectively.



In general, natural materials are the preferred choice whenever possible- for example wood flooring and natural fabric upholstery. Tactility should be a guiding factor in material choices. The textural quality of all materials should be as neutral as possible.



Our Commitments:

01. Comprehensive Acoustic Assessments

02. Customised Acoustic Design

03. Seamless Implementation

04. Consultancy and Ongoing Support



Visual



Acoustical



Olfactory



Tactile



Proprioceptive



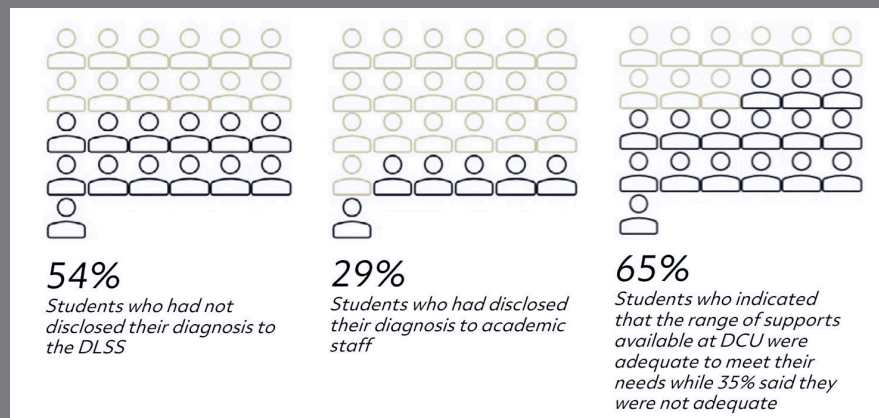
01. Comprehensive Acoustic Assessments

A crucial first step in creating a sensory-friendly space is conducting a comprehensive acoustic assessment.

This in-depth evaluation helps identify the specific auditory needs of the person on the autism spectrum, ensuring that the acoustic solutions provided are truly tailored to their unique requirements.

Standard acoustics insulation is made from mineral wool fibre

which is carcinogenic, non recyclable and produces a high degree of harmful waste in its manufacture.



02. Customised Acoustic Design

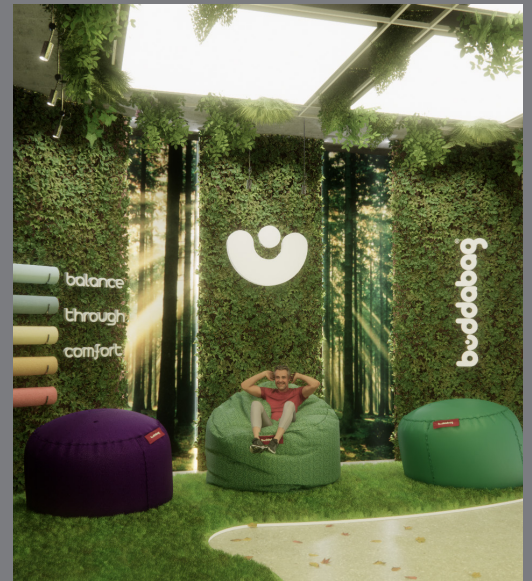
Neurotypical individuals may experience sensory overloads in high stimulated environments making it difficult to focus, learn, and engage with their surroundings.

Customised acoustic design provides an innovative solution to these challenges, creating sensory-friendly spaces that empower and support neurotypical.



03. Seamless Implementation

Our dedicated team collaborates closely with you to flawlessly incorporate tailor made acoustic solutions into your environment, elevating the sensory experience for individuals with autism while preserving the comforting familiarity they are familiar with.



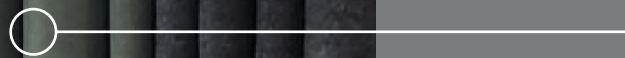
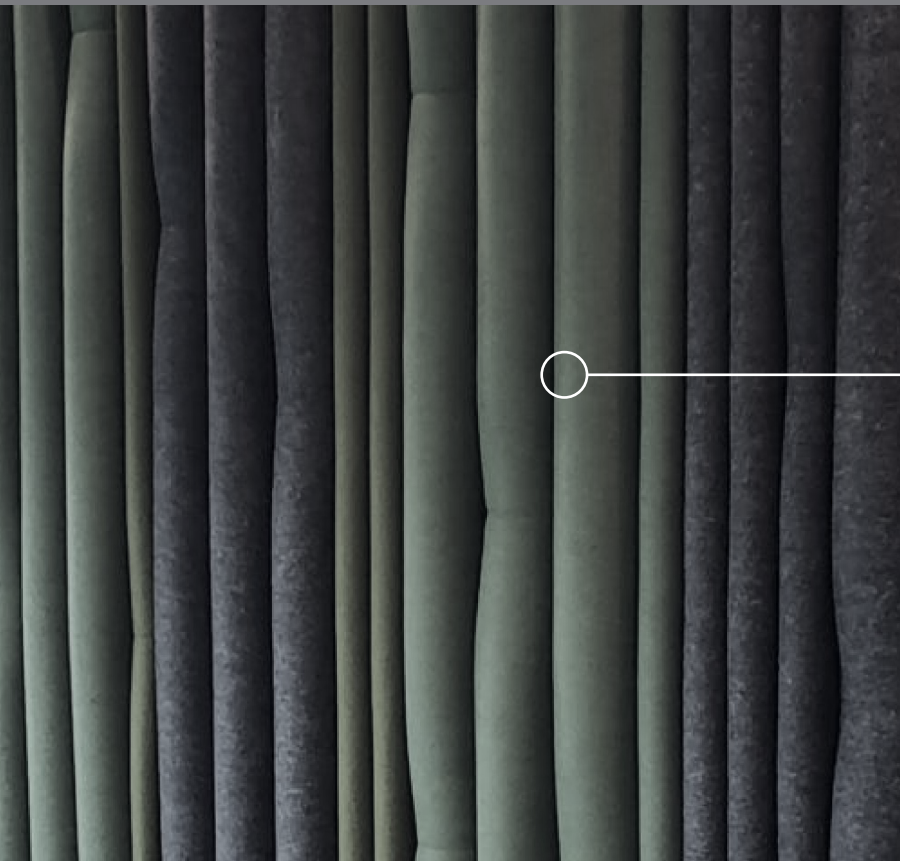
04. Ongoing Support

We understand that creating an optimal sensory environment is an ongoing journey.

People's needs evolve over time, and we are committed to providing continuous support, ensuring the acoustic solutions we offer continue to serve them well in the long term.



Colours & Touch



Full body tactile stimulation from soft furnishing surfaces can be a powerful support for sensory overload and the need for escape.



A general rule for a neutral, natural tone, minimal contrast palette is proposed and suggested for use in spaces that are designated autism friendly.





case studies

CCT College



2-4 People
Sensory Pods



Sensory Furniture



VIBE

CCT College



Tactile texture

Fully enclosed

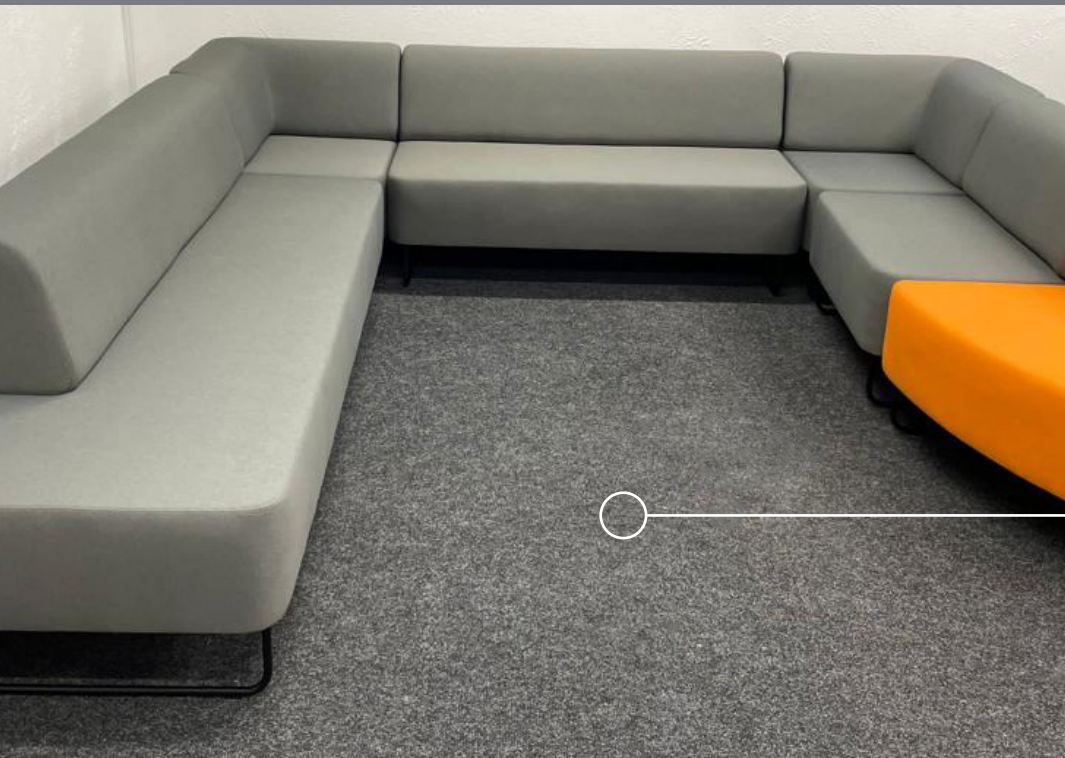
One Person
Sensory Pods



Up to 8 people pod

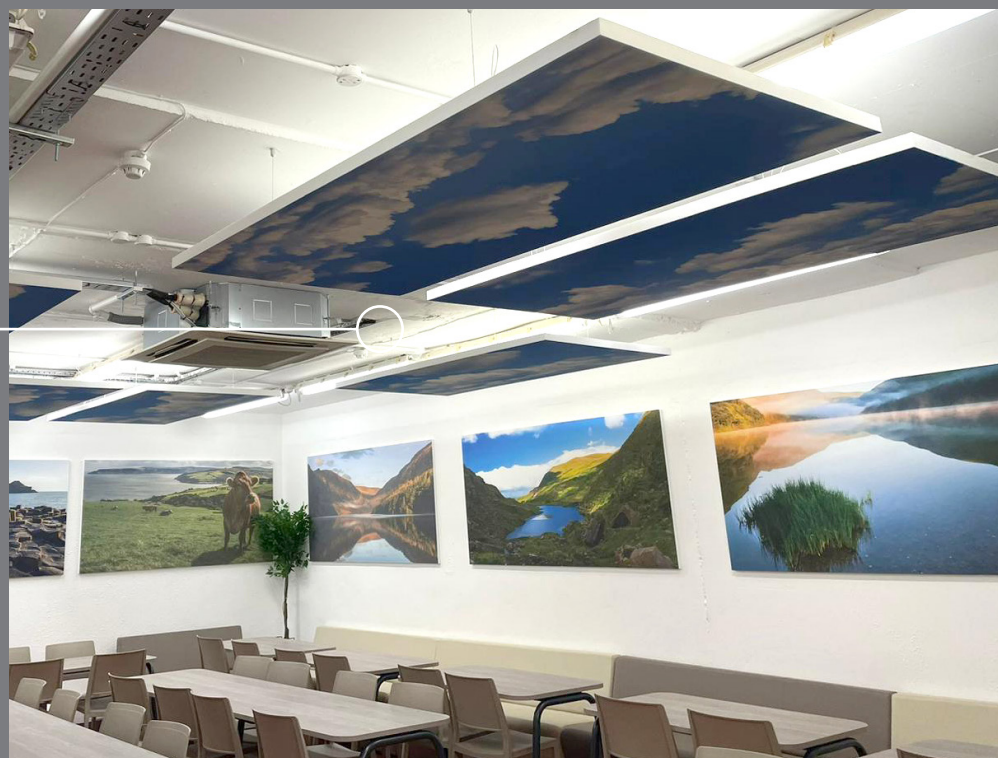


CCT College



Sound-Absorbing
Carpets

Sound-Absorbing
Ceiling



VIBE



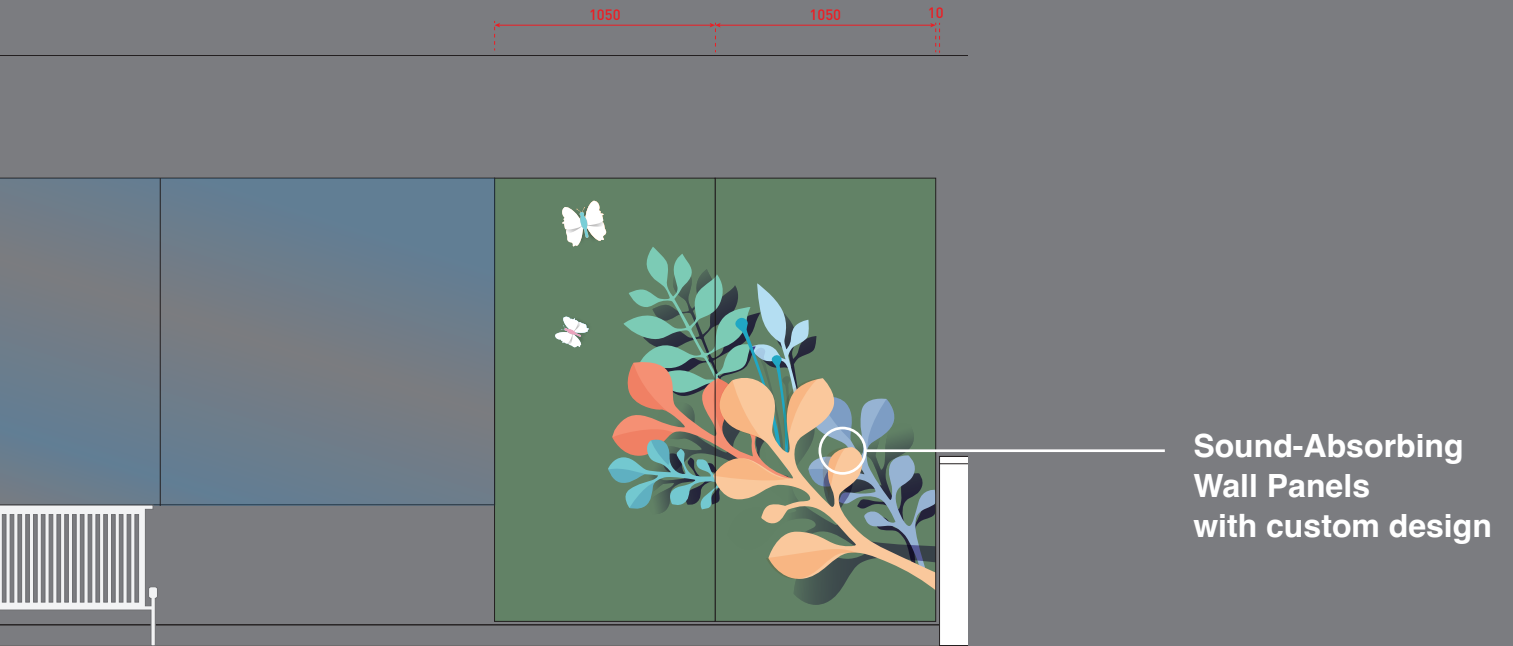
Sound-Absorbing
Wall Panels



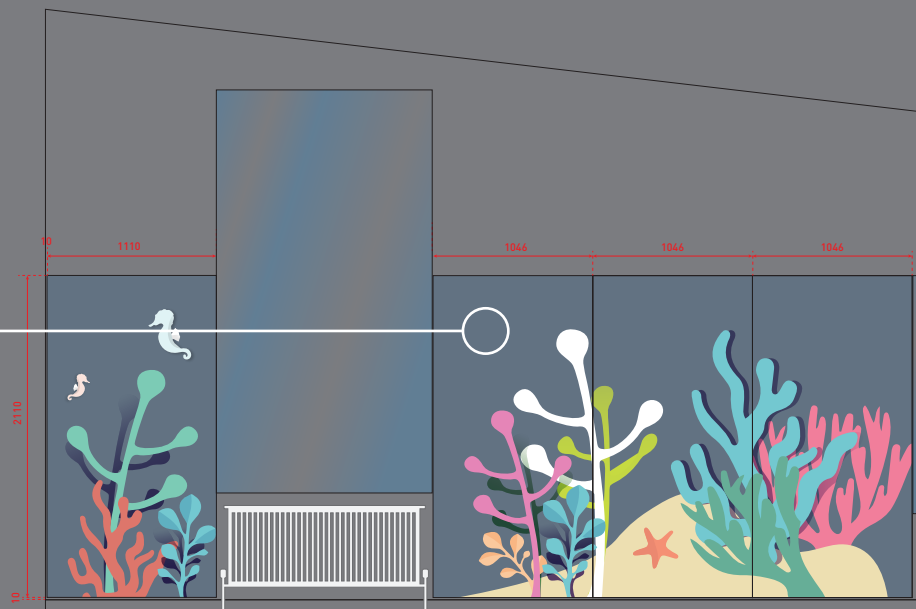
Buddabags
Soft Seating



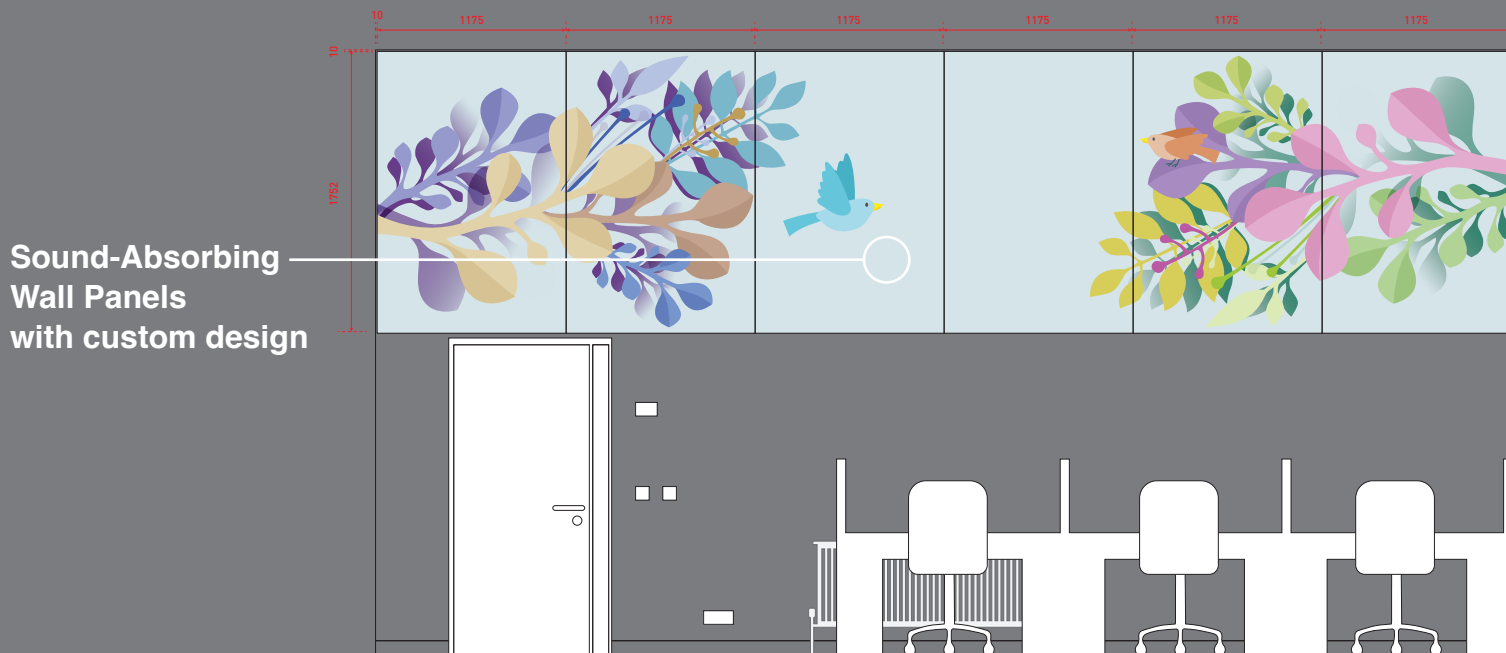
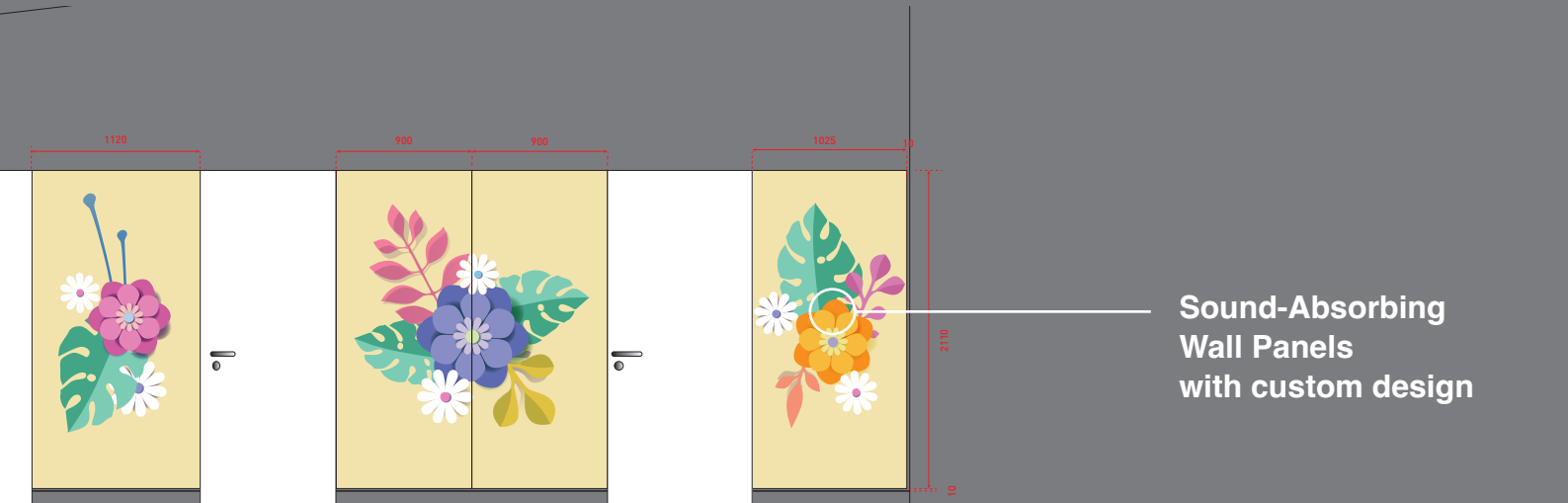
St. Francis Xavier Senior National School



Sound-Absorbing Wall Panels with custom design



St. Francis Xavier Senior National School



St. Francis Xavier Senior National School

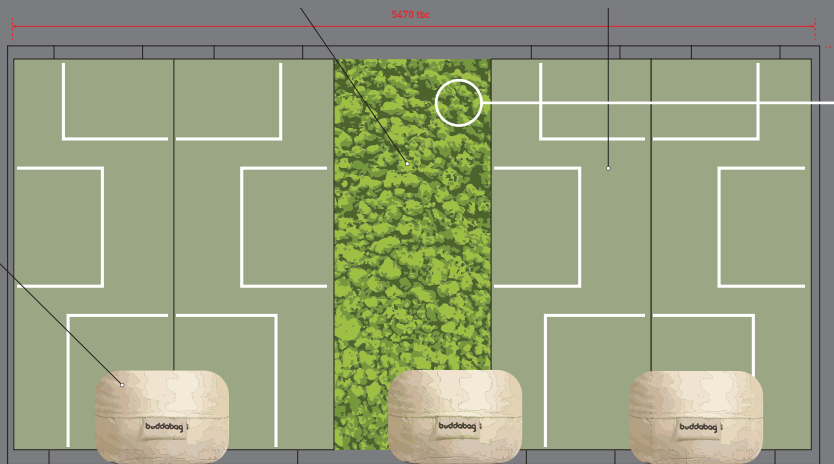


Sound-Absorbing
Wall Panels
with custom design

Sound-Absorbing
Wall Panels
with custom design

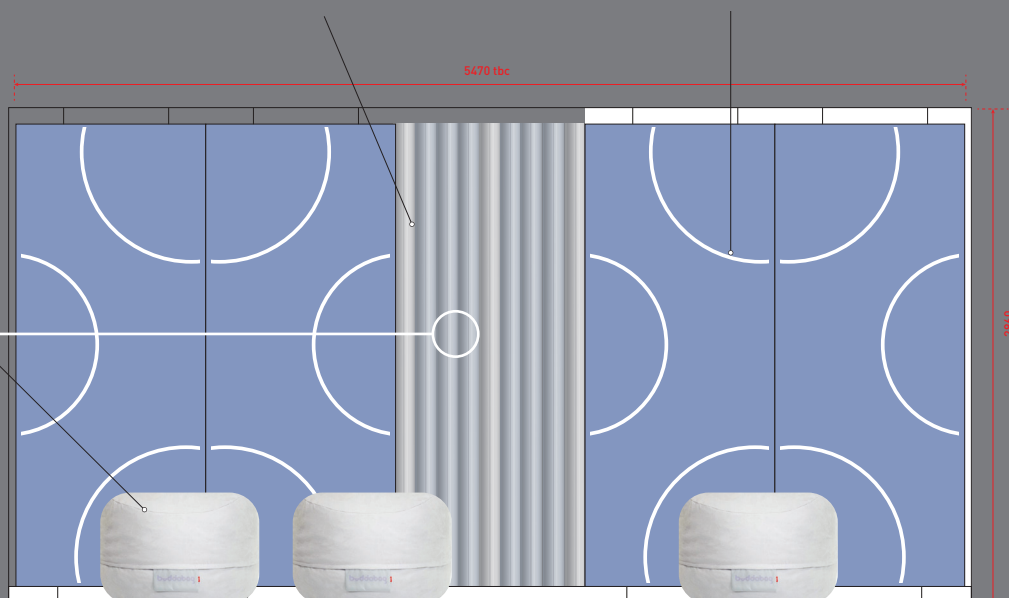


AS I AM



Sensory Moss Panel

Sound-Absorbing Wall Panels with custom design

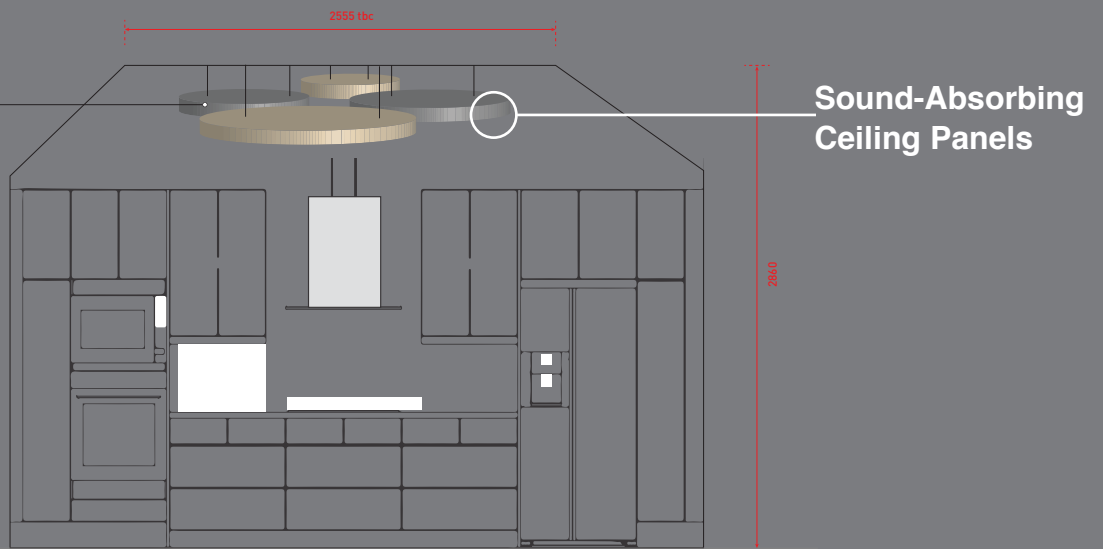


As I Am

CANTEEN



ACOUSTIC CEILING



Sound-Absorbing Ceiling Panels

DE

Sound-Absorbing Wall Panels with custom design

