

Headington School Oxford



Architects: Lyons Sleeman Hoare Architects
Main Contractor: Beard Construction
Products: Topperfo Micro 2/2/0.5
Veneered Solid Panels
Finish: European Oak Veneer
Completed: Winter 2020

PROJECT INFORMATION

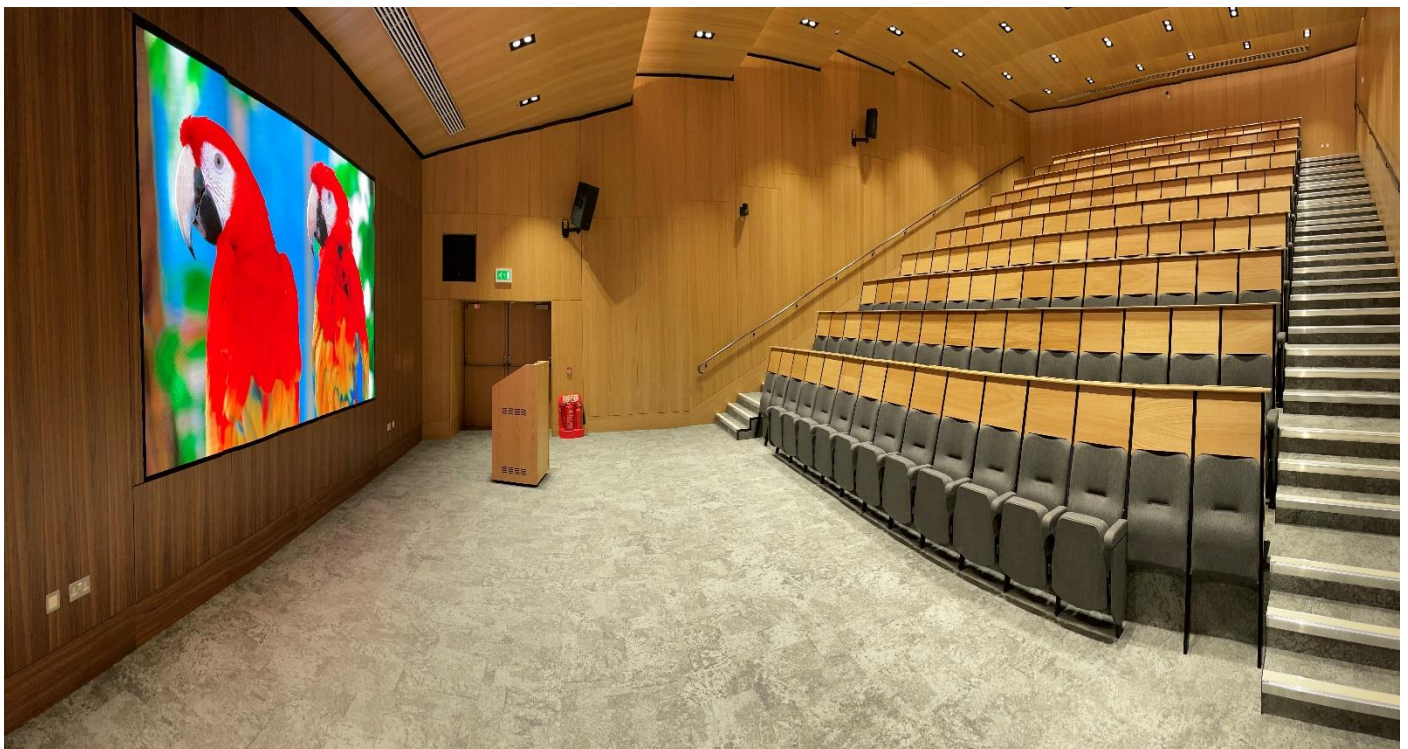
This wonderful acoustically treated auditorium based in the Headington School in Oxford was designed by Lyons + Sleeman + Hoare Architects. LSH Architects specified the Topakustik panels for two key criteria of its many positive properties: Absorption and Reflection. The Topperfo solid veneered panels were installed as reflective panels at the base of the ceiling to allow the sound to travel further in the auditorium. The Topperfo Micro 2/2/0.5 (aw. 0.90, Absorption Class B, NRC 0.93) was specified for the wall linings and sections of the ceiling to manage the reverberant noise, absorbing the unwanted sound.

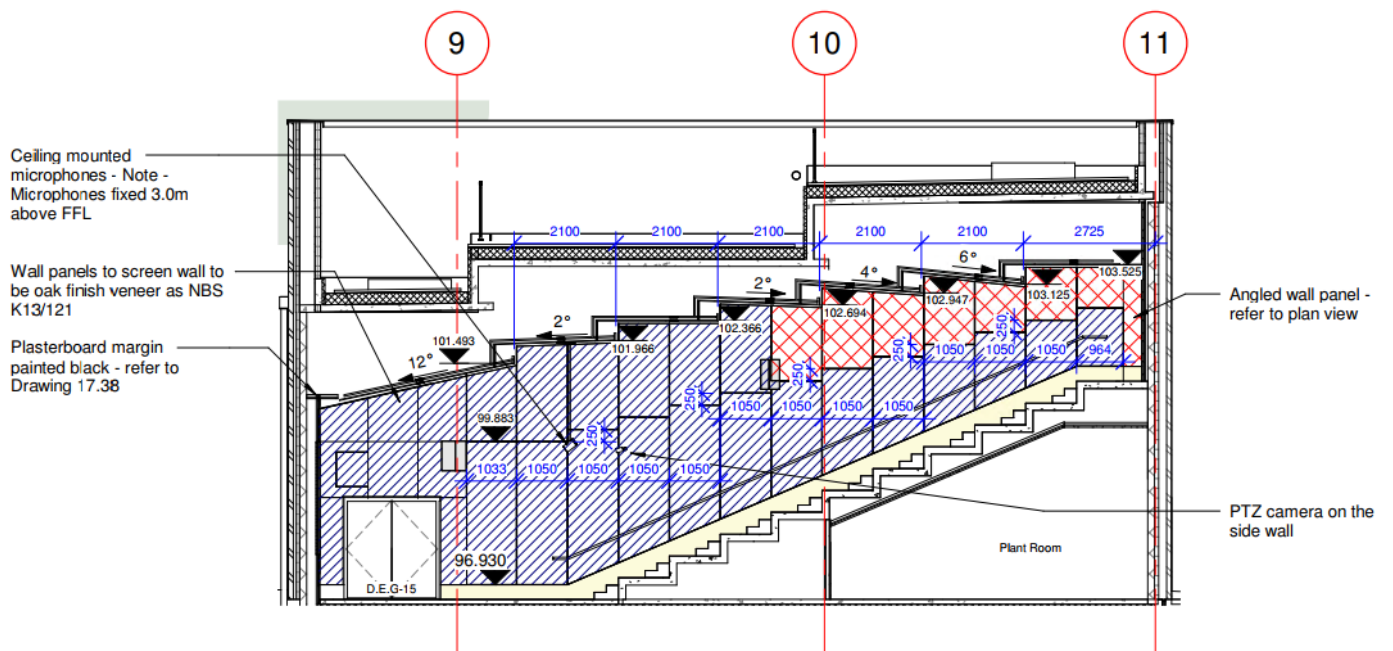


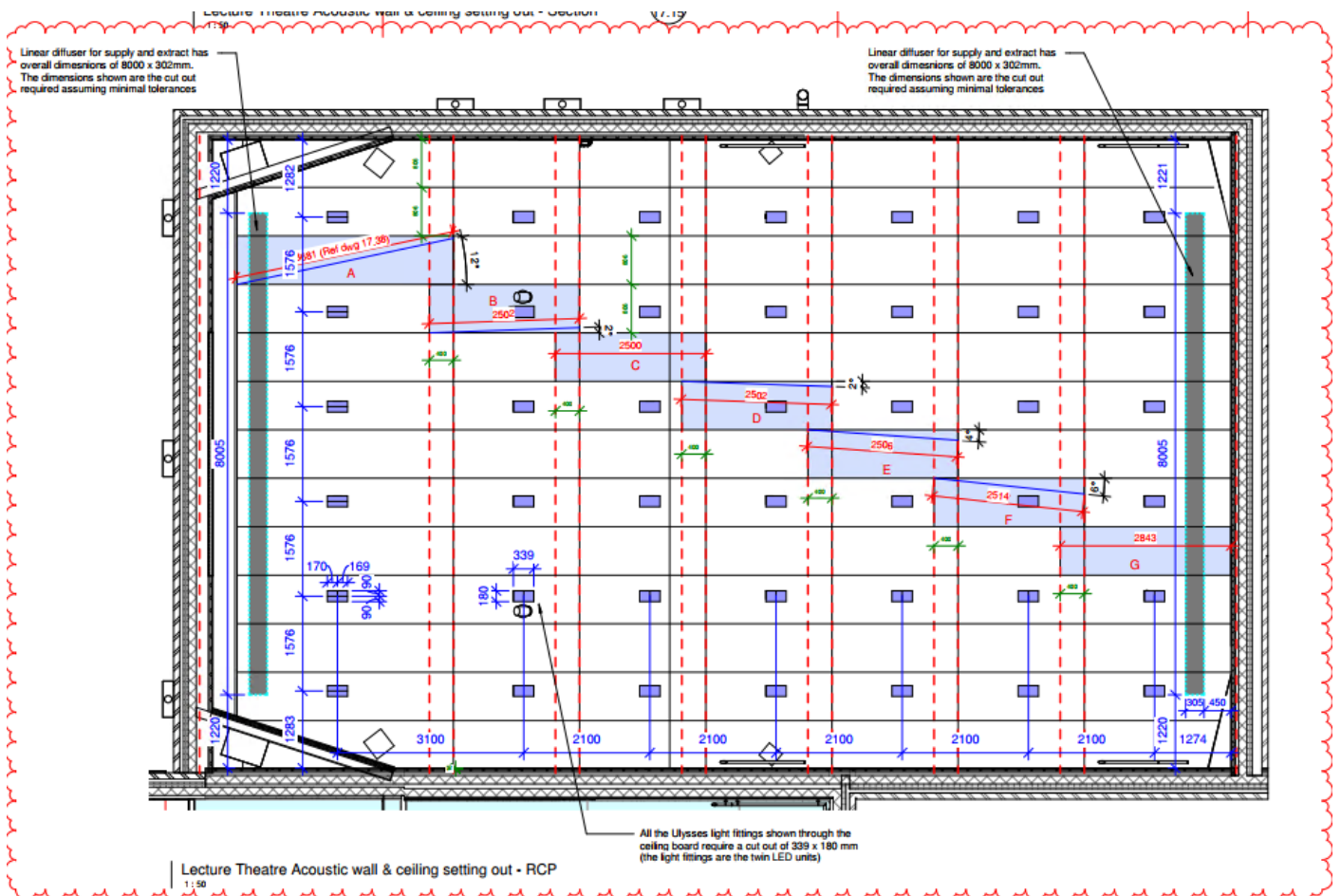
Architectural Rendering

Superbly managed by Beard Construction the varied multi pitched ceilings work with the Audio-Visual equipment to ensure that both students and educators have an optimal auditory experience. Enhancing communication, aiding productivity and creating an environment fit for human development.

PROJECT IMAGES







ACOUSTIC PRODUCT SYSTEM USED

TOPPERFO®-Micro-Panels

With TOPPERFO-Micro, the sound absorption function becomes almost completely invisible. The perforation measures a mere 0.5 mm (or even 0.3 mm), so it is virtually invisible from a certain distance. TOPPERFO micro-perforation is available in various grids and diameters, depending on the required level of sound absorption. The choice of surface coverings is also virtually unrestricted. All veneers and paint colours are available, as well as CPL and HPL surfaces by arrangement.



2/2/0.5

Other Micro-products:

- Micro-Planks 128 mm
- Micro-Graphic
- Micro-Eco Collection
- Micro on your care
- Micro-Cabinet Doors

Ask for more information.

Sound absorption data acc. to ISO 354

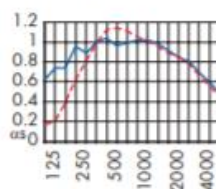
With acoustic fleece and mineral wool: 40 mm (60 kg/m³)

TOTAL THICKNESS

— ca. 226 mm

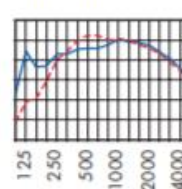
- - - - - ca. 66 mm

2/2/0.5



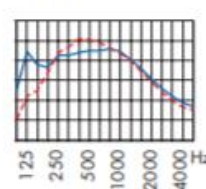
α _w	Euro	NRC
0.80 L	B	0.93
0.75 LM	C	0.95

1.8/1.8/0.5



α _w	Euro	NRC
0.90	A	0.93
0.90	A	0.95

3/3/0.5



α _w	Euro	NRC
0.60 LM	C	0.81
0.55 LM	D	0.84

Dimensions and Materials

Core panel	not fire rated D-s2,d0 (DIN B2)			fire retardant B-s2,d0 (DIN B1)			non-flammable*	
Surface/ Thickness	Paint 16 mm	Wood Veneer 17 mm	Melamine 16 mm	Paint 16 mm	Wood Veneer 17 mm	Melamine 16 mm	Paint 16 mm	Wood Veneer 17 mm
Panels	max. in mm 3648 × 1216	max. in mm 3648 × 1216	max. in mm 3648 × 1216	max. in mm 3648 × 1216	max. in mm 3648 × 1216	max. in mm 3648 × 1216	max. in mm 3080 × 1216	max. in mm 3080 × 1216
	ideal: in mm 2032 × 992	ideal: in mm 2032 × 992	ideal: in mm 2032 × 992/640	ideal: in mm 2032 × 992/640	ideal: in mm 2032 × 992/640	ideal: in mm 2032 × 992/640	ideal: in mm 1540 × 608	ideal: in mm 1540 × 608
	2780 × 992	2780 × 992	2780 × 992/640	2780 × 992/640	2780 × 992/640	2780 × 992/640	2540 × 608	2540 × 608
	3648 × 640	3648 × 640			3640 × 640		3080 × 608	3080 × 608

ideal means optimal use of MDF core – custom lengths are also available

* Absorption data on request

Date 2019 – please check the current dimensions on www.topakustik.com

The micro-perforation is provided in fields with a width of around 150 mm. In sided light, it is possible that the excess length between the individual fields becomes visible on UniEco decors or if a dark colour varnish is used. The grid 1.8/1.8 is therefore not recommended for these surfaces. For a grid of 2/2, we recommend to provide samples.

If you would like further information or have any questions please do not hesitate to get in contact:

Address: 70c High Street, Whitstable, CT5 1BB

Telephone: 01227 281140

Email: enquiries@acoustic-products.co.uk

Website: <https://www.acoustic-products.co.uk/>