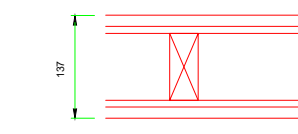


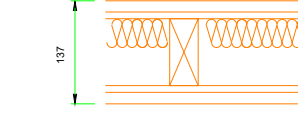
**Proposed First Floor Acoustic Plan**  
1 : 100



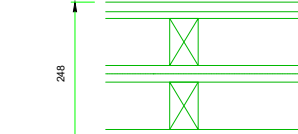
**Proposed Ground Floor Acoustic Plan**  
1 : 100



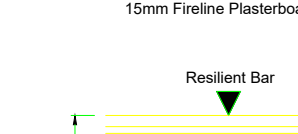
**137mm Eco Partition Type 2 (C24)**  
15mm Fx Fibre Plasterboard  
8mm Plywood  
89mm Timber Stud  
8mm Plywood  
15mm Fx Fibre Plasterboard



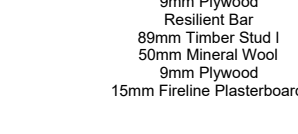
**137mm Eco Partition Type 2 (C24)**  
15mm Fx Fibre Plasterboard  
8mm Plywood  
89mm Timber Stud  
50mm Mineral Wool  
8mm Plywood  
15mm Fx Fibre Plasterboard



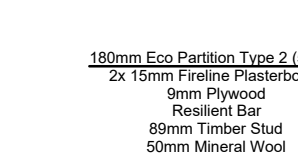
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15mm Fx Fibre Plasterboard



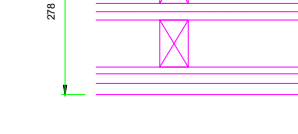
**137mm Eco Partition Type 2 (C24)**  
15mm Fx Fibre Plasterboard  
8mm Plywood  
89mm Timber Stud  
50mm Mineral Wool  
8mm Plywood  
15mm Fx Fibre Plasterboard



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89mm Timber Stud  
50mm Mineral Wool  
8mm Plywood  
15mm Fx Fibre Plasterboard



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89mm Timber Stud  
50mm Mineral Wool  
8mm Plywood  
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15mm Fx Fibre Plasterboard  
8mm Plywood  
89mm Timber Stud  
50mm Mineral Wool  
8mm Plywood  
15mm Fx Fibre Plasterboard

## Wall Types

Partition Colour	Minimum sound insulation $R_w$ dB	Suitable wall types
Red	40 dB	1,2,3,4,5,6,7 or 8
Orange	45 dB	2,3,4,5,6,7 or 8
Green	50 dB	3,4,5,6,7 or 8
Yellow	54 dB	5,6,7 or 8
Blue	59 dB	7 or 8
Pink	64 dB	8
Purple	N/A	

**Minimum doorset sound insulation rating /  $R_w$**

- Red dot: 30 dB
- Orange dot: 35 dB

**Minimum absorption Class to ceiling area (ISO 11654)**

- Green square: Minimum Class A
- Red square: Minimum Class C
- Yellow square: Minimum Class D

**LUNGFISH**

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Web: www.lungfish-architects.co.uk

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**NOTES**

- Do not scale from this drawing.
- All measurements are in millimetres unless stated otherwise.
- This drawing is to be read in conjunction with the contract documentation, specification and all relevant Architectural, Electrical, Mechanical, Landscape and Structural drawings. Any discrepancies between documents to be reported to the architectural team for review and clarification, prior to works commencing on site.
- All coordinates and dimensions to be checked and confirmed on site, prior to works commencing.
- Lungfish drawings are provided as design intent. The detail shown is demonstrative of principle, all components, fixings and seals etc are to be provided and installed to the satisfaction of each relevant manufacturer's recommendations to maintain thermal, air and fire resistances where applicable. The information on this drawing is subject to the final co-ordination of structure/sub-structure. MAE

**HEALTH AND SAFETY RISKS:**

We have reviewed health and safety risks associated with works associated with the content of this drawing and we do not believe there residual risks that a competent contractor would be aware of.

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**KEY PLAN**

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Rev	Description	Date	Drn.	CHK.
P08	Full CP Issue	24/04/2020	nm	
P07	Draft Full CP for Client's Submission	20/02/2020	nm	
P06	For review / comment	14/02/2020	nm	
P05	Revised LRC, DT, Head's and SEN rooms	21/01/2020	nm	
E04	Draft CP Issue	1/08/19	nm	
P03	Updated Draft CP Issue	01/11/19	nm	
P02	Draft CP Issue	10/10/19	nm	
P01	Pre Draft CPs Model Issue	04/10/19	nm	

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**CLIENT**  
Department for Education

Department for Education

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**CONTRACTOR**  
Eco Modular  
31 Copenhagen Rd, Hull HU7 0XQ

eco modular buildings

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**PROJECT**  
The Orchards Primary Academy  
Rhayader Rd, Birmingham B31 1TX

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**TITLE**  
Acoustic Layout

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<b>DRAWN BY:</b> NW	<b>DATE:</b> 05/13/19
<b>CHECKED BY:</b> YN	<b>SCALE:</b> 1 : 100 @ A1

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**STATUS**  
Full CP

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PROJ - ORIGIN - ZONE - LEVEL - TYPE - ROLE - NUMBER	STATUS	REV
ORC - LFA - ZZ - ZZ - DR - A - 0203	S2	P08

24/04/2020 12:50:29