

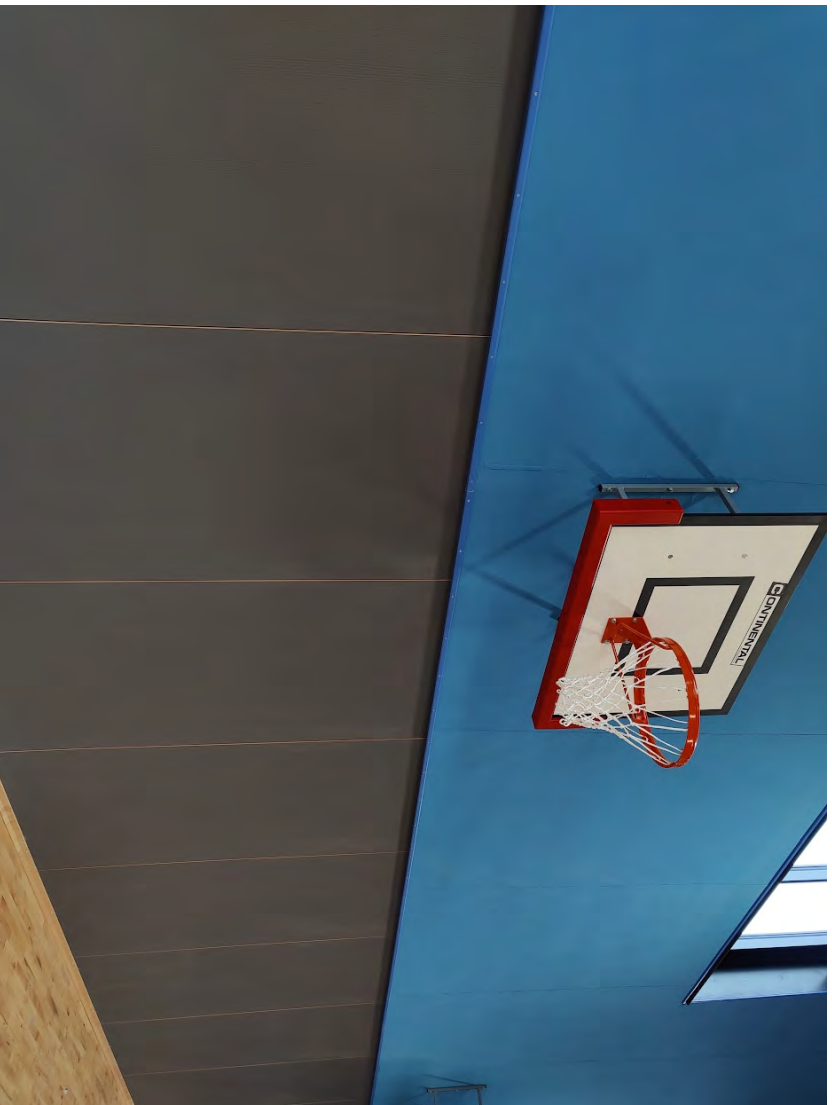


www.continentalsports.co.uk



REQUIREMENTS TO FACILITATE INSTALLATION OF:

- **SPORTS HALL WALL PANELLING**
- **SPORTS HALL IMPACT PANELS**



Continental Sports' sports hall wall panelling / impact panelling provides a perfect internal wall fascia to sports halls and activity rooms. It offers the following benefits:

- Aesthetic improvements by hiding blockwork or metsec walls
- Provides an attractive durable finish that is resistant to impacts from balls and people
- Perforated panels provide opportunity for aesthetically attractive arrangements as well as acoustic enhancement.
- Available in a wide range of colours:
<https://www.continentalsports.co.uk/technical-information/colour-choices/sports-hall-wall-panelling-colours>



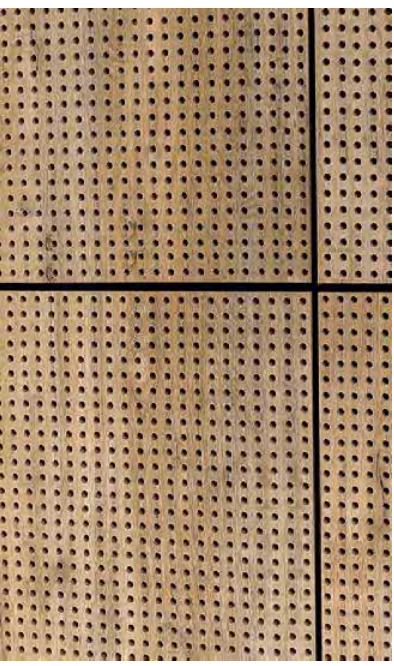
TIMBER FRAMEWORK BEFORE INSTALLATION OF IMPACT PANELS



IMPACT PANELS AFTER INSTALLATION



SOLID PANEL



PERFORATED (ACOUSTIC) PANEL

- **Durability & Impact Resistance** – Provides superior impact resistance from balls, equipment and hall users. This allows for both solid and acoustic panels to be used from floor to soffit.
- **Time & Cost Savings** – The structural integrity of the panels enables them to be installed as an independent wall system which can be fixed directly to studwork. This eliminates the need for block work and other wet trades, providing a fast and efficient installation.
- **Factory Finished** – Every panel is factory finished with a low maintenance, UV resistant, durable surface that does not require re-finishing over the life of the product.
- **Secret Clip Fixings** – The supplied secret clips offer a fast and easy panel installation which eliminate unsightly surface fixings. They also provide a consistent spacing between adjoining boards.
- **Fire Performance** – The panels are fire rated to comply with Building Regulations, Sport England and the Department of Education - Education & Skills Funding Agency (ESFA) requirements.
- **Colours** - The panels are available in a range of colours & wood effects to provide a modern appearance that complements the sports floor and can achieve the required Light Reflectance Values (LRVs).

TECHNICAL & PERFORMANCE SPECIFICATIONS - SOLID & PERFORATED (ACOUSTIC) PANELS

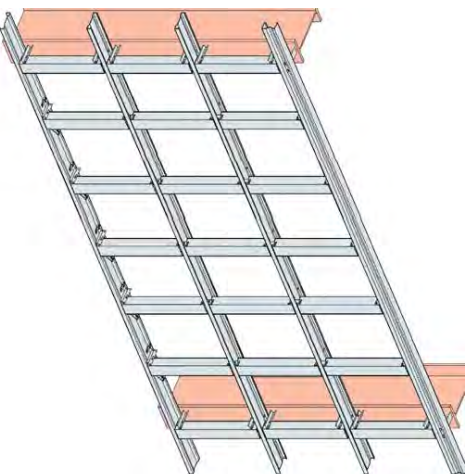
Panel Face	Factory finished, available in a range of colours & wood effect finishes
Panel Core	Fire Rated MDF
Fire Performance	Fire rated to European Class B - S1-d0
Panel Sizes	2.4m x 1.2m x 18mm (confirm prior to design) 2.4m x 592mm x 18mm (confirm prior to design)
Compliance	Building Regulations, ESFA & Sport England compliant
Panel Weight	<i>Perforated:</i> 10.93kg /m ² <i>Solid:</i> 14.00kg / m ²
Acoustic Performance	Cass C - Perforated panels with insulation

METHOD OF INSTALLATION

Continental's sports hall wall panelling provides a fast and efficient sports wall solution. The panels are manufactured from engineered timber. The structural integrity allows the panels to be installed as an independent wall system which eliminates the need for blockwork and other wet trades.

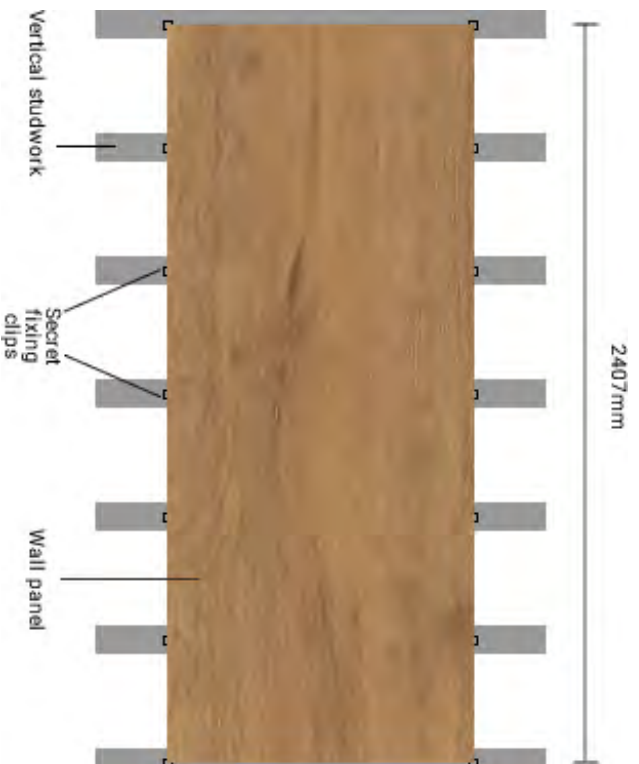
The intended method of installation would be to fix sheeting rails across the structural steels to which vertical/horizontal studwork and subsequently panels would be attached using supplied secret fixing clips.

The panels can be fixed to metal or timber vertical/horizontal studwork at 400mm centres. A black acoustic fleece is placed over the studwork to "effectively" hide the gap between the panels and make the black metal brackets appear "invisible".

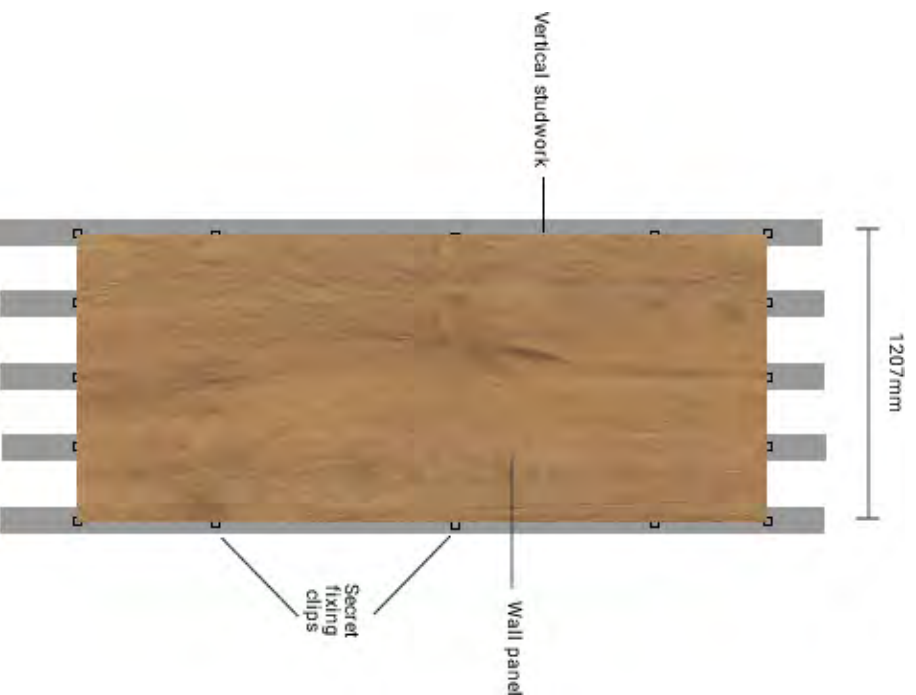


TYPICAL VERTICAL/HORIZONTAL STUDWORK
 CONSTRUCTION AT 400MM CENTRES TO ACCOMMODATE
 THE INSTALLATION OF THE PANELS.

The panels are then installed using the supplied secret clips to ensure a consistent 7mm spacing between adjoining boards.

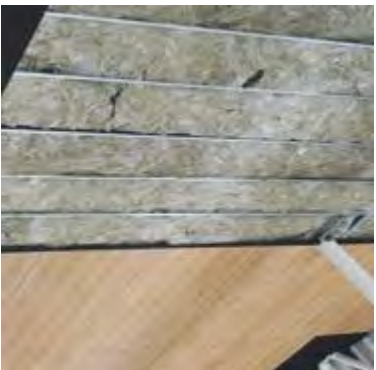


PANEL LAYOUT: LANDSCAPE ORIENTATION
STUD CENTRES: c. 400mm (TO SUIT 2407mm OVERALL PANEL WIDTH)

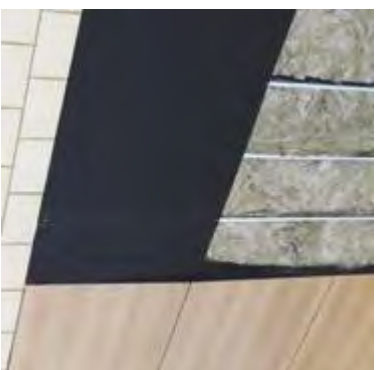


PANEL LAYOUT: PORTRAIT ORIENTATION
STUD CENTRES: c. 300mm (TO SUIT 1207mm OVERALL PANEL WIDTH)

Insulation can be incorporated behind the panels to enhance thermal resistance and acoustic performance.



INSULATION IS PLACED BEHIND THE PANELS TO ACHIEVE REQUIRED THERMAL AND ACOUSTIC VALUES.



A BLACK ACOUSTIC FLEECE IS INSTALLED BEHIND THE PANELS TO HIDE STUDWORK AND DISGUISE THE FIXING CLIPS.



THE PANELS ARE FIXED USING THE SECRET CLIPS WHICH ARE TO BE PLACED INTO THE PRE-ROUTED EDGES TO LEAVE THE APPEARANCE OF A FIXTURE FREE INSTALLATION.



AT THE CORNERS THE CLIPS SHOULD BE MOUNTED VERTICALLY TO CAPTURE THE BOARD YOU ARE FIXING AND THE NEXT. THE SCREWS SHOULD BE BLACK SO AS TO APPEAR INVISIBLE ONCE FIXED THROUGH THE CLIPS.

FEATURES IMPACTING THE FINISH OF THE INSTALLATION

Protrusions through the panels such as electrical sockets:

1. 1st fix installation of electrical provisions is necessary before the installation of the panels
2. Drawing to be provided to Continental Sports Ltd showing locations and sizes of openings to be created
3. Continental technicians create cut-outs
4. 2nd fix of surface mounted items (socket fascias, alarm sensors etc.)

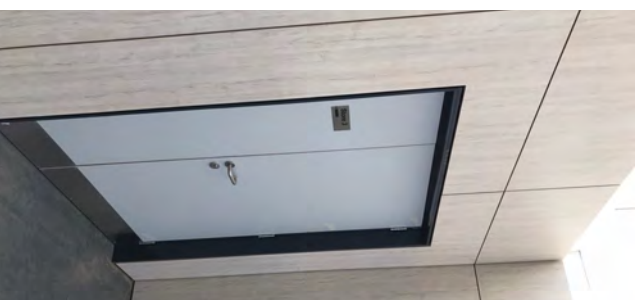
Windows and doors:

1. Consider whether the panelling and windows / door sill, header and jamb are to be finished flush with the internal wall panelling face

2. Timber provisions (18mm thick plywood minimum required around the perimeter of doors / windows set 19mm back from the wall panelling face location



3. Architraves if required can be installed by others after the wall panelling



BUILDERS WORK REQUIREMENTS

if the SFS system cannot be installed to suit the panelling layout as indicated in the method of installation guidance notes, a secondary framing system will be required that finishes 19mm back from the wall panelling face location

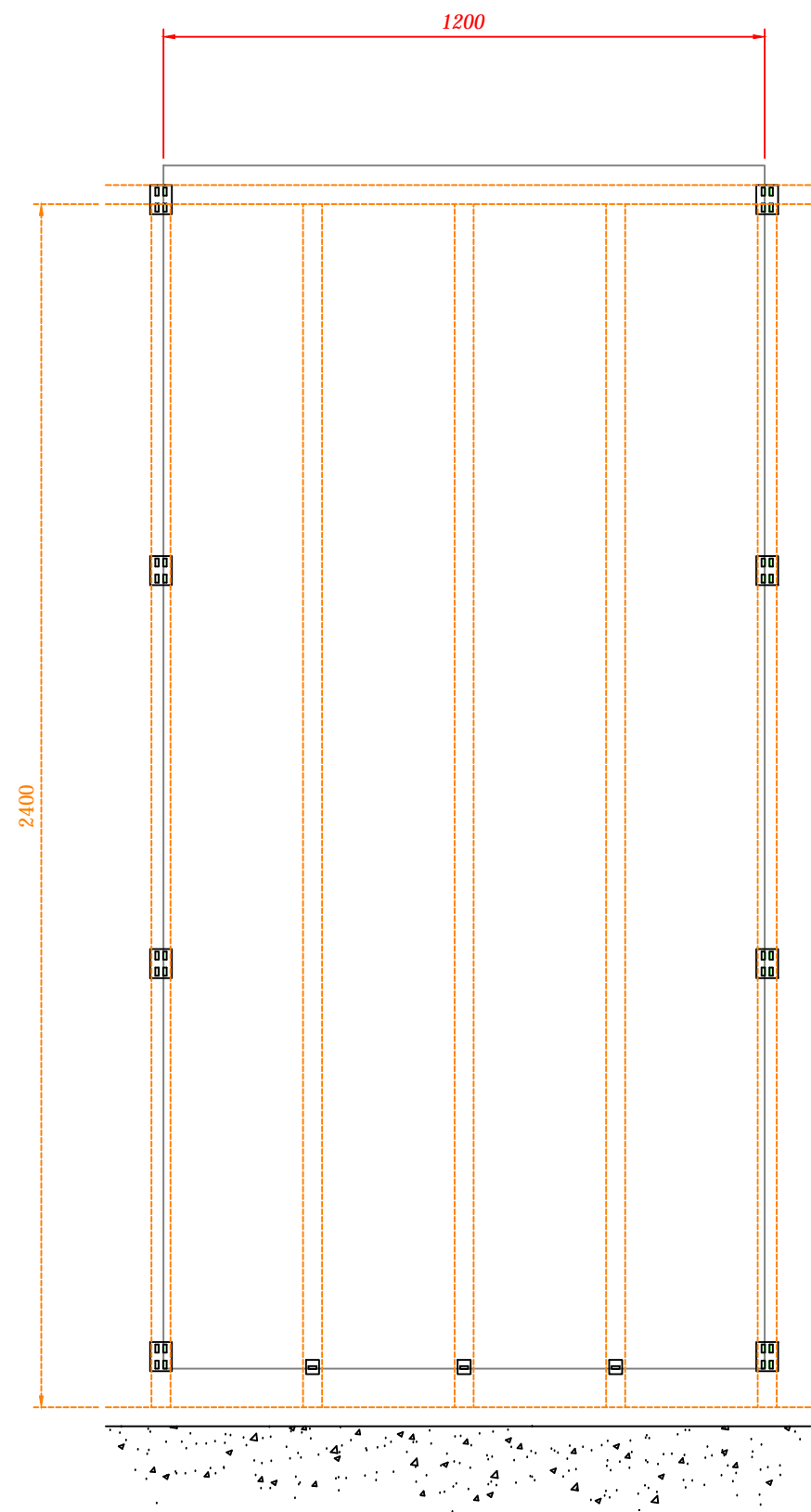


FURTHER ADVICE AND GUIDANCE

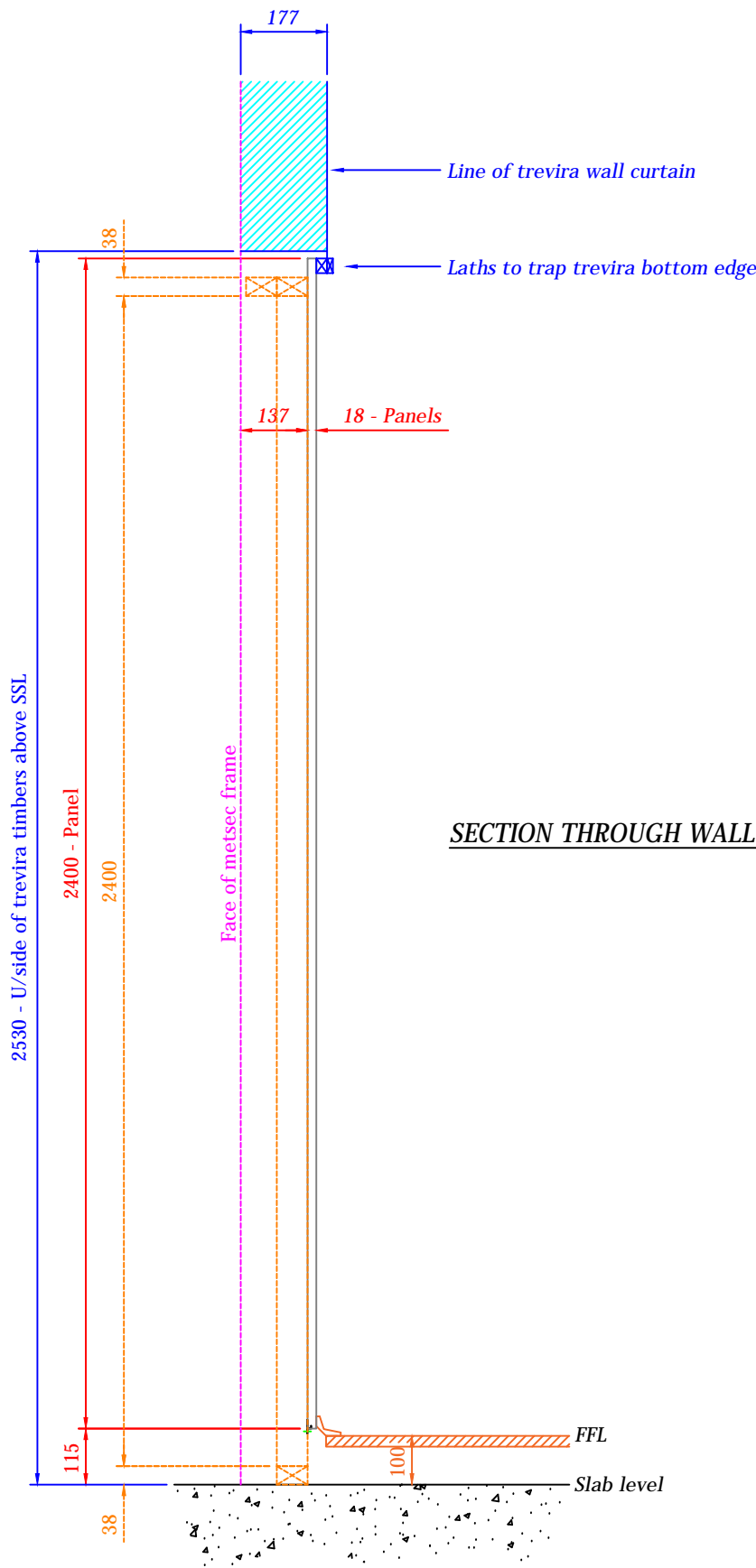
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ELEVATION ON ONE WALL PANEL



Timbers for trevira (by others) from face of metsec. See photos for locations.



SECTION THROUGH WALL PANEL

A: RC 4/10/21. DRAWING UPDATED SLIGHTLY - TIMBER STRUCTURE.



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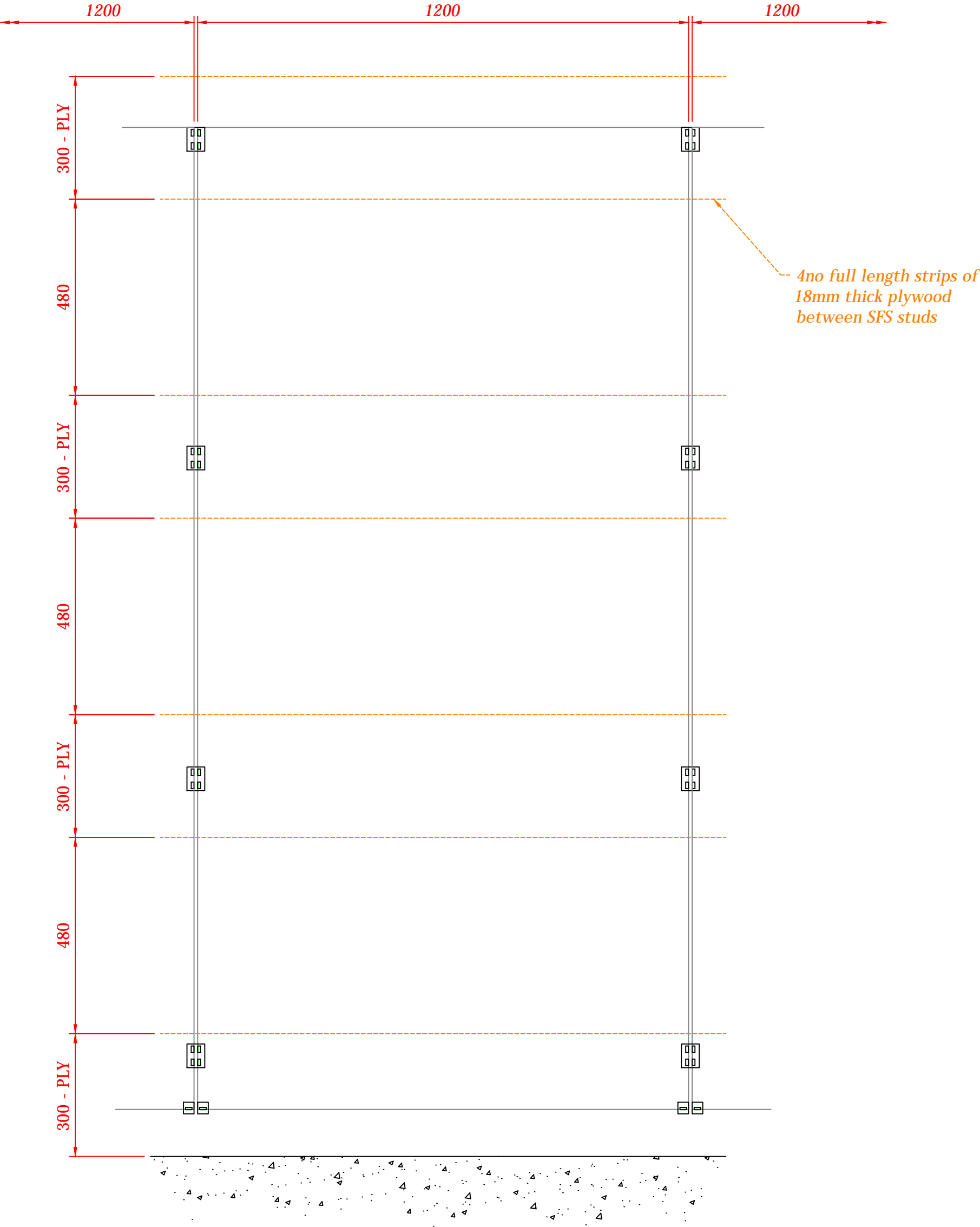
SADDLEWORTH HIGH SCHOOL.
Walls With Timber Support
Structure For Panels.

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	173212-11		

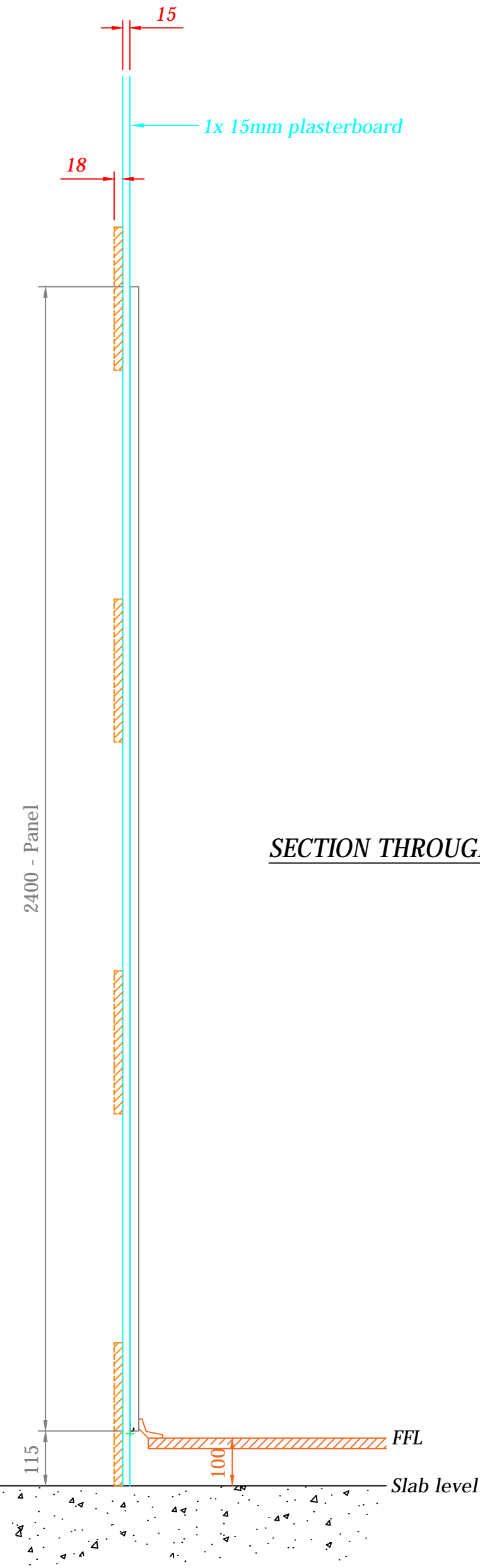
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ELEVATION ON ONE WALL PANEL



SECTION THROUGH WALL PANEL



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SADDLEWORTH HIGH SCHOOL.
2x Plasterboard Walls 18mm Plywood Strips For Panels.

scale	date	dr	rev
1:10	22/9/21	RC	
projection	dwg no		
	173212-10		

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A: RC 1/10/21. PLYWOOD REDUCED TO 200mm WIDE STRIPS. TOP PLYWOOD MOVED DOWN TO BE UNDER TOP OF BOARD.



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MACKIE ACADEMY, ABERDEEN.
18mm Plywood Strips For
Panels.

scale 1:10	date 22/9/21	dr RC	rev B
projection 		dwg no 173079-10	