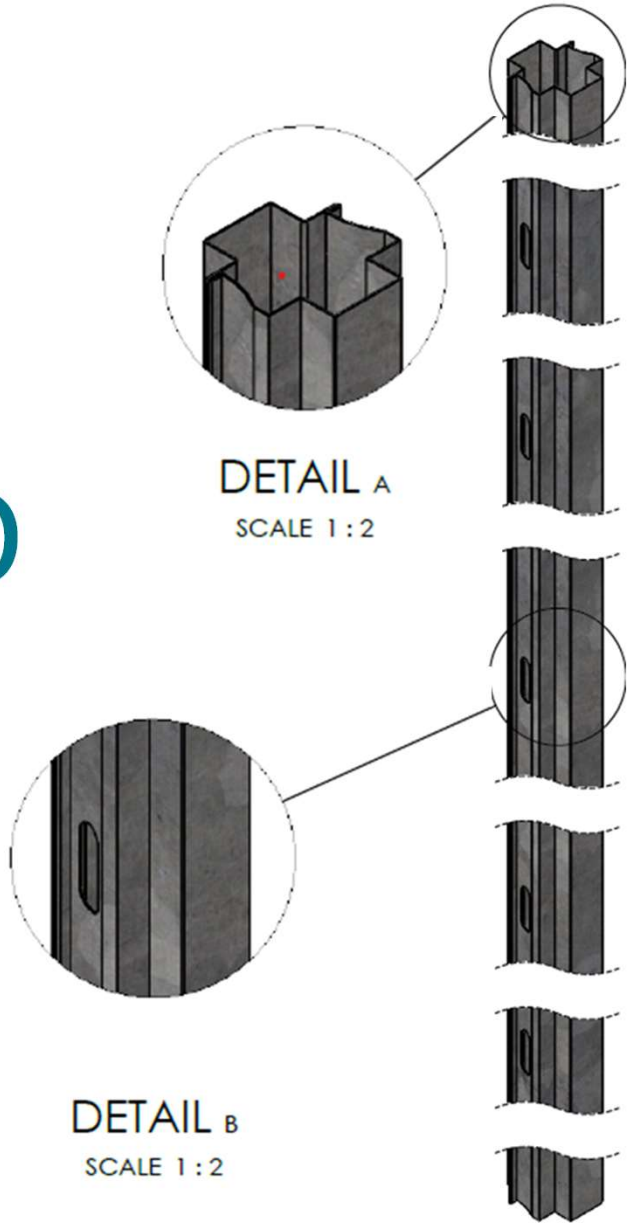
THE CROSS STUD



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INTRODUCTION

- Here at Innovate we are constantly trying to improve and develop new ideas for the Construction Industry to simplify and offer different solutions to every day construction issues
- Therefore I would like to introduce you to :-
- The Cross Stud – a innovative solution

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METAL STUDWORK 101

Overview:

- Within the global drywall partitioning market – wall systems have been built using a combination of U shaped tracks fixed to the floor and soffit.
- Between these elements a vertical member is placed upright
- This is a stud component and where facia material and insulation are fixed

TRADITIONAL TODAY

Overview

- Metal Studwork comes in two main types C stud and I stud.
- The most used is the C Stud – this comes in various widths and gauges of thickness
- The other type is an I stud again is supplied in various widths and gauges of thickness

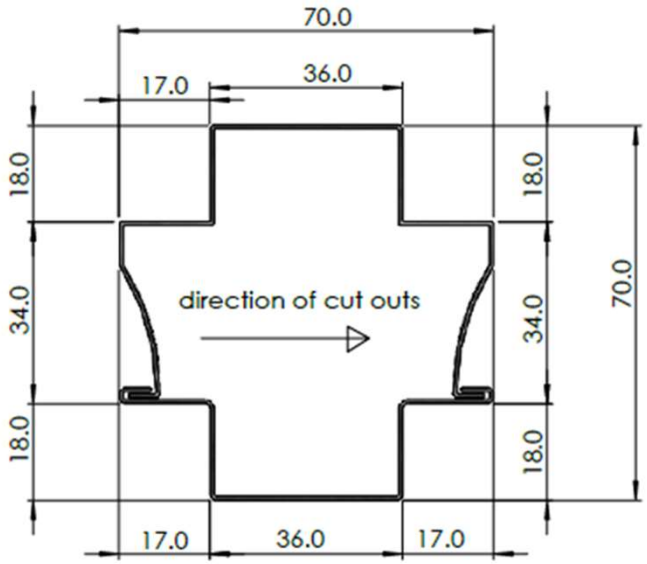
Examples

THE NEW CROSS STUD

Explanation:

- The new configuration has major plus points:-
- As the shape is a cross it will allow further layers of material to be fixed to the rebated/cut out face ie:-
- A plywood Pattress
- A further layer of plasterboard material to increase sound and fire rating performance
- A Partition inner wall component such as a letter box transom which would improve acoustic performance

Visual:



BENEFITS

- The new Cross Stud would mean that the walls acoustic and fire performance would be improved without the walls increasing in thickness
- This would improve the square footage on an apartment
- Acoustic separation decoupling is possible as the cross stud is a split spring loaded component – so perfect to receive isolation material and therefore removes the need for resilient bars in acoustic situations
- Fitting and securing pattresses will be quicker and easier as no requirement for ancillary elements such as brackets or lengths of angle linear grooves within wooden pattresses which are currently used
- Due to its geometric stability its strength is increased due to its cross shape so it will not twist likes the current types available, as its stability is gained in four directions.