GRIPPLE

CASE STUDY

Ormiston Victory Academy

Norfolk, UK

HOURS SAVED*	EMBODIED CO_2 SAVED	MATERIAL WEIGHT SAVED
161 HOURS	**601 KG**	**265 KG**

Ormiston Victory Academy is a Norfolk based school project that has recently undergone an expansion to increase pupil numbers to 1,500. Gripple's rapid trapeze bracket system, Fast Trak, was selected as the ideal solution to suspend electrical containment and pipework throughout the new development.

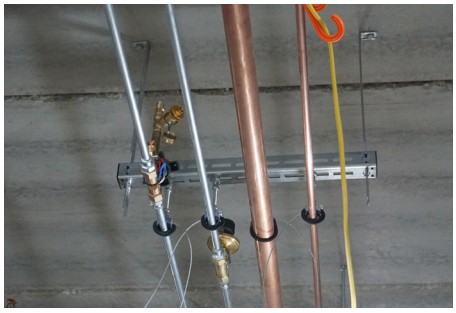
Project Summary	
Main Contractor	Pentaco Construction
Subcontractors	Sotham Engineering / Laressi
Building Type	Education
Services	Mechanical and Electrical Containment

Featured Products

Fast Trak

Cable Basket Clip

Height Adjustable Universal Clamp



"Fast Trak is so easy to use, it has saved us significant time on-site. We were able to install the same number of brackets within a day. Whereas, when using traditional methods it would have taken us at least three days!"

- Contracts Manager, Sotham Engineering -

SAVING SUMMARY

	Gripple solution	Traditional method
Overview	**Fast Trak, Height Adjustable Universal Clamps, Cable Basket Clips and Concrete Screws**	Channel, threaded rod, channel nuts, munsen and pipe rings
Installation Time	**136 hours**	297 hours
Total Material Weight	**309 kg**	574 kg
Total Embodied CO_2	**701 kg**	1,303 kg
Total Labour Cost	**£3,397**	£7,429

*Data taken from the following sources:
BSRIA guide 'The Inventory of Carbon & Energy'. Channel based on typical weight and Embodied Carbon value for recycled ROW construction.
Threaded Rod Weight Taken from DIN975 Document 'http://www.dinstock.com/useruploads/files/threaded_rods_din975.pdf'
Embodied CO2 Constant Multiplier (kg CO2/ kg material) Taken From ICE (Inventory of Carbon and Energy) Document
Author: Dr. Craig Jones & Professor Geoffre Hammond. Version: V3.0 = 10 Nov 2019 http://www.circularecology.com/embodied-energy-and-carbon-footprint-database.html

*Figure based on one installer working for eight hours a day at £25 per hour

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PROJECT DETAILS

Due to a growing demand for places, Ormiston Victory Academy in Costessey, Norfolk has undergone a 300-place expansion to increase the school capacity to 1,500 students, which has seen the construction of a three-storey stand-alone teaching block alongside the existing school. The new building will include 16 general teaching classrooms, along with dedicated classroom spaces for art, creative media and food technology.

Gripple's Fast Trak system was selected for the suspension of electrical containment and pipework throughout the new 2,910 square metre building. With the new school year pending, speed was essential for this project. With Fast Trak being up to six times faster to install than traditional methods, Gripple were able to offer a solution that ensured the contractors working on-site saved 161 working hours from their build programme.

Not only is Fast Trak a time-saver, but it is also simple to use. Fast Trak pre-fabricated tracks and brackets are delivered to site in easy-to-handle packaging, reducing the time spent sorting materials on-site. The cartridge at the end of each Fast Trak bracket allows you to attach and adjust the bracket along the tracks tool-free. M4 level markers on the tracks highlight 50 mm increments so no levelling tools are required and no nuts need to be adjusted.

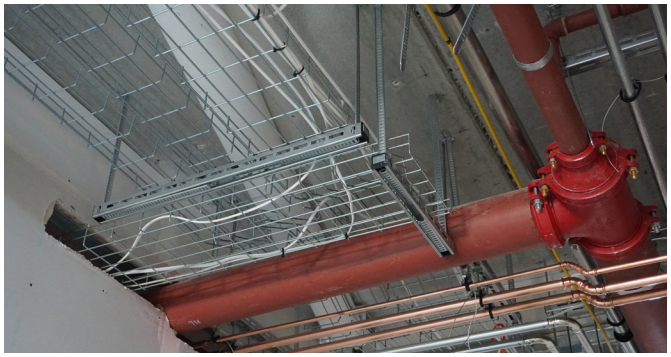
Gripple's Height Adjustable Universal Clamps were utilised to suspend pipework from below the Fast Trak brackets. Gripple's pipe clamps were ideal on this project as they allowed installers to make height adjustments to suit the exact requirements of the installation. They are installed using a simple quarter turn into the bracket, enabling pipes of different sizes to be installed along the centre axis and condensate pipes to be installed at a gradient for drainage. This was a perfect solution as Sotham Engineering's installation team utilised copper and steel pipes for mains water and hot water flow and return.

Fast Trak marks a significant shift away from traditional methods. Installers on-site at Ormiston Victory Academy commented on how quickly apprentices had taken to installing it. Fast Trak was installed throughout the build within a day, a task that the Contracts Manager at Sotham Engineering noted would usually take at least three days.

Gripple Area Sales Manager, Josh Bloomfield, commented: "Not only was time a big incentive on this project, but health and safety benefits were also critical influences. Fast Trak ticked every box for the job here and feedback from the site has been excellent. We were able to provide a value-engineered solution along with pull test reports to show the safe working load of Fast Trak."

"Fast Trak has proven to be a very efficient alternative to traditional methods and has helped us to deliver this project on time. **The benefits, from health and safety to time and labour, are fantastic and we'll certainly look to use it again."**

- Contracts Manager, Laressi -



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