



BURNT MILL ACADEMY, ESSEX

The project involved replacing the outdated three-story school building and sports block at Burnt Mill Academy to create a modern, eco-friendly teaching environment aimed at reducing operational costs.

MetStructures was selected by Bowmer + Kirkland to undertake the design, detailing, fabrication, pre-assembly, and installation of the structural steel frame and light-gauge pre-assembled panels for the new school and sports block.

The project featured our innovative **MetHybrid** system, where panels are pre-assembled and boarded off-site in our factory. These panels are then delivered just-in-time to the site and installed by our skilled team, following quickly behind our steel frame erection team.

MetHybrid provides a comprehensive, turnkey solution, with **MetStructures** offering a complete package including structural steel frames, decking, over-sail wall panels, precast, stairs, and roof purlins.

By moving away from the traditional on-site 'stick' build system and adopting the MetHybrid approach, our client benefitted from enhanced programme certainty, significantly reduced waste, and minimized site activity.

Additionally, the system offered improved tolerance for panel fitting, ensuring seamless installation for follow-on cladding trades. In addition to the steel frame and panel supply and installation, we also installed all the precast concrete floor units on the project.

SUMMARY

CLIENT: Bowmer + Kirkland

PROJECT LOCATION: Harlow, Essex

DEVELOPMENT USE: MetHybrid School

WORKS CARRIED OUT:

- Steel-to-steel connection design
- Oversail wall panel design
- Structural steel fabrication & erection
- SFS oversail wall panel manufacture & installation
- Installation of precast floor planks & stairs

