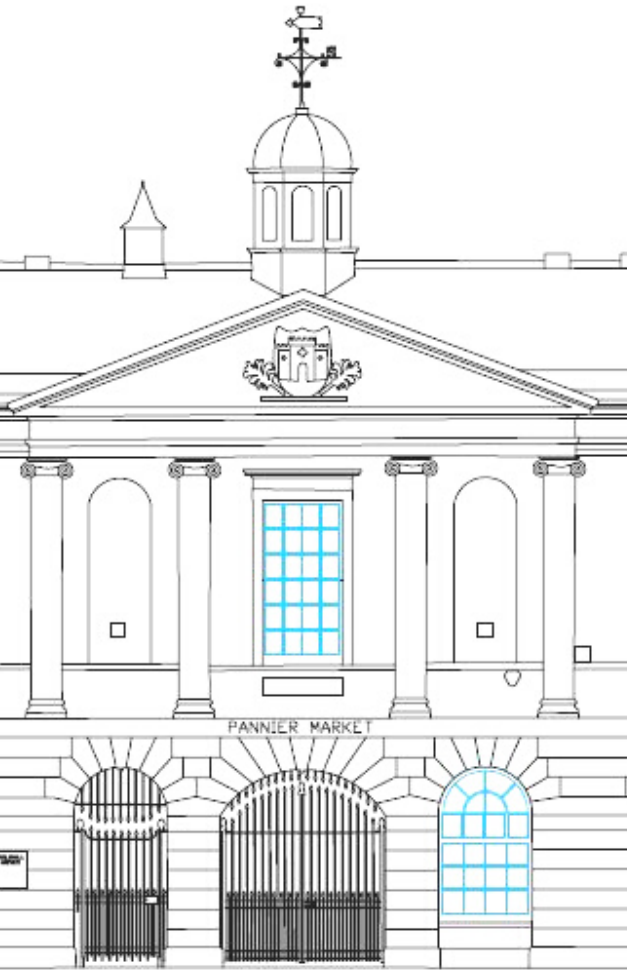




HERITAGE SURVEYS

WE WORK WORLDWIDE

HIGH ACCURACY AND DETAIL

Merrett Survey use the latest laser scanning technology. Highly irregular surfaces that would be very hard to survey using conventional survey equipment, such as medieval stonework or complex timber frames are easily captured by the laser scanner.

Laser scanning is a powerful tool in monitoring structural movement. By repeating scans over time, subtle movement in walls can be visualised.

SAFE, NON CONTACT

The traditional survey tripod has been replaced by light weight carbon fibre tripods with rubberised feet, & the need to establish targets on the historic building fabric has been reduced with the advent of more powerful cloud to cloud registration software.

Scanning greatly reduces the need to work at height to acquire dimensions. Building detail can be reproduced at large scales (1:5 or even 1:2 if necessary) with a tolerance equal to or better than that obtained by close physical measurement.

BIM & 3D MODELLING

Laser scanning can be useful in ensuring that work to restore structures can be done with full consideration of all potential movements and changes within historically important buildings. Our BIM models ensure that design & restoration decisions can be made with the greatest consideration and sympathy to the existing building fabric.

The model below was used to help design and plan the redevelopment of a site with buildings of historical importance at Kresen Kernow into an archive and visitor attraction.



TESTIMONIAL

We appointed Merrett Surveys to provide laser scanning & verticality analysis & have been impressed by their helpful, pro-active approach, & the quality of their data.
Senior Architect, Purcell



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