

Medical



The Princess Margaret Hospital, Windsor, Berkshire

Peter Dann were responsible for the design of a steel platform to support modular theatre buildings which were to be used as ultra-clean operating theatre suites, the associated rooms and plant room all within a self-contained two storey modular building located on the first floor flat roof of the main hospital.

The platform was designed to transfer the loads back into the existing concrete columns below, with the steel structure designed to stringent deflection limits required to combat the human-induced vibration response of the floor to which made it suitable for hospital operating theatres and ophthalmic operations.

We also undertook the design of the connecting structure to the theatre complex and the reconfiguration of internal load-bearing walls for the nurse base, the design of foundations and a slab for a liquid oxygen storage compound with a concrete service trench beneath the roadway for transporting the liquid oxygen into the main hospital building.