

## BLADON HOUSE SCHOOL

CLIENT:	CARMALOR CONSTRUCTION
SECTOR:	EDUCATION
LOCATION:	BURTON-ON-TRENT
VALUE:	£1.2m
DATE:	2009



### **We are always willing to design structures for our clients' benefit rather than our own.**

A good example is a current scheme for residential accommodation at a special school totalling around 1000m<sup>2</sup>, where the precast floor supplier had specified hollowcore units for the upper floors due to the expected high loadings from blockwork partition walls.

The easy answer from our point of view would have been to have accepted the precast supplier's design. However, we established that the weight of the partitions could be significantly reduced and went on to show that the hollowcore units could be replaced with a much cheaper beam and block floor solution.

This in turn reduced the loadings on the ground floor walls and allowed their specification and thickness to be reduced, also saving significant cost. Contractor's preliminary estimates indicate that this issue alone has saved almost 2% of the total value of the project, with no reduction in quality.

**In summary, rather than accepting the easy answer, we have identified real incremental design efficiencies which in turn have delivered real savings for our client.**