

SystemFirst™
HOMES

HOUSE FOUNDATIONS



Finalist In MacRobert Award For Innovation In Engineering 2007

**RESIDENTIAL FOUNDATIONS AND FLOORS
FOR ALL GROUND CONDITIONS**



ROGER BULLIVANT

www.rogerbullivant.co.uk

SystemFirstTM HOMES

Engineered Foundations for Residential Developments that offer a real and competitive alternative to traditional strip footings in 'good' ground.

SystemFirst is a construction process that provides the client with a fully engineered and cost effective foundation solution with a single point of responsibility from site investigation to site installation.

Some of the many benefits over traditional strip footings are:

- Certainty of cost as a result of RBL validating tender site investigation data.
- Engineered solutions underpinned by insurance backed warranties.
- Significant reduction in CO2 emissions, water and raw materials.
- Significant programme savings.
- Lightweight components eliminate the need for on-site craneage and reduce lorry movements.
- Modular design giving speedy installation on site using a kit of parts.
- Fully insulated Part L compliant finished floor with immediate access for follow on trades.



FULLY DESIGNED AND
ENGINEERED SOLUTION

VIRTUALLY ELIMINATES
MUCK-AWAY

ENVIRONMENTALLY
FRIENDLY

CONSTRUCTION DETAILS

- 1 Screed
- 2 Insulation
- 3 Twinbeam floor
- 4 Perimeter insulation
- 5 Galvanized foundation beam, complete with preformed ventilation holes
- 6 Client's cavity insulation typically continued 150mm below finished floor level
- 7 Perimeter rebar and concrete infill
- 8 Backfill barrier
- 9 Cap
- 10 Support

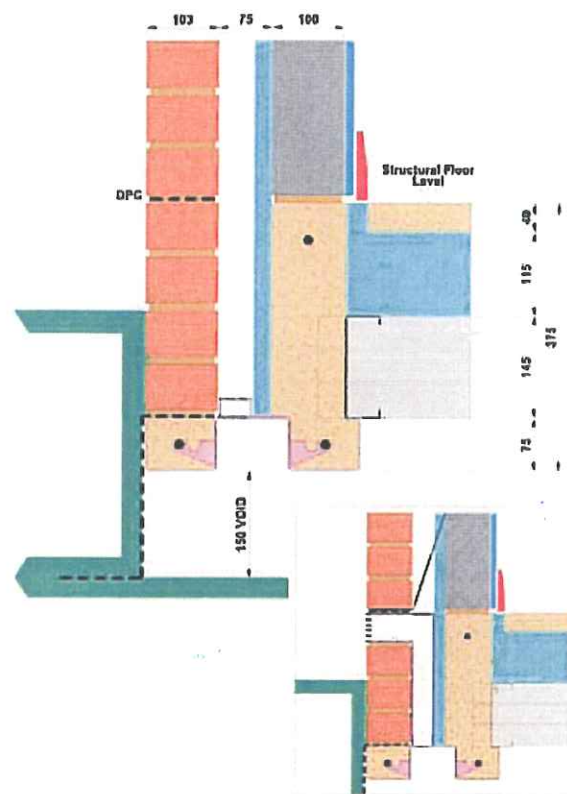
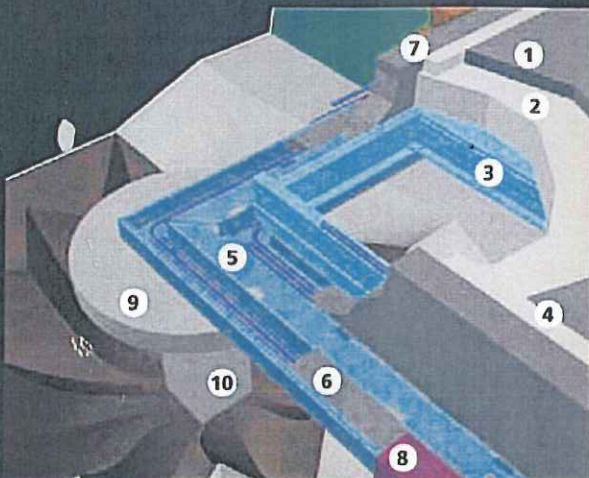
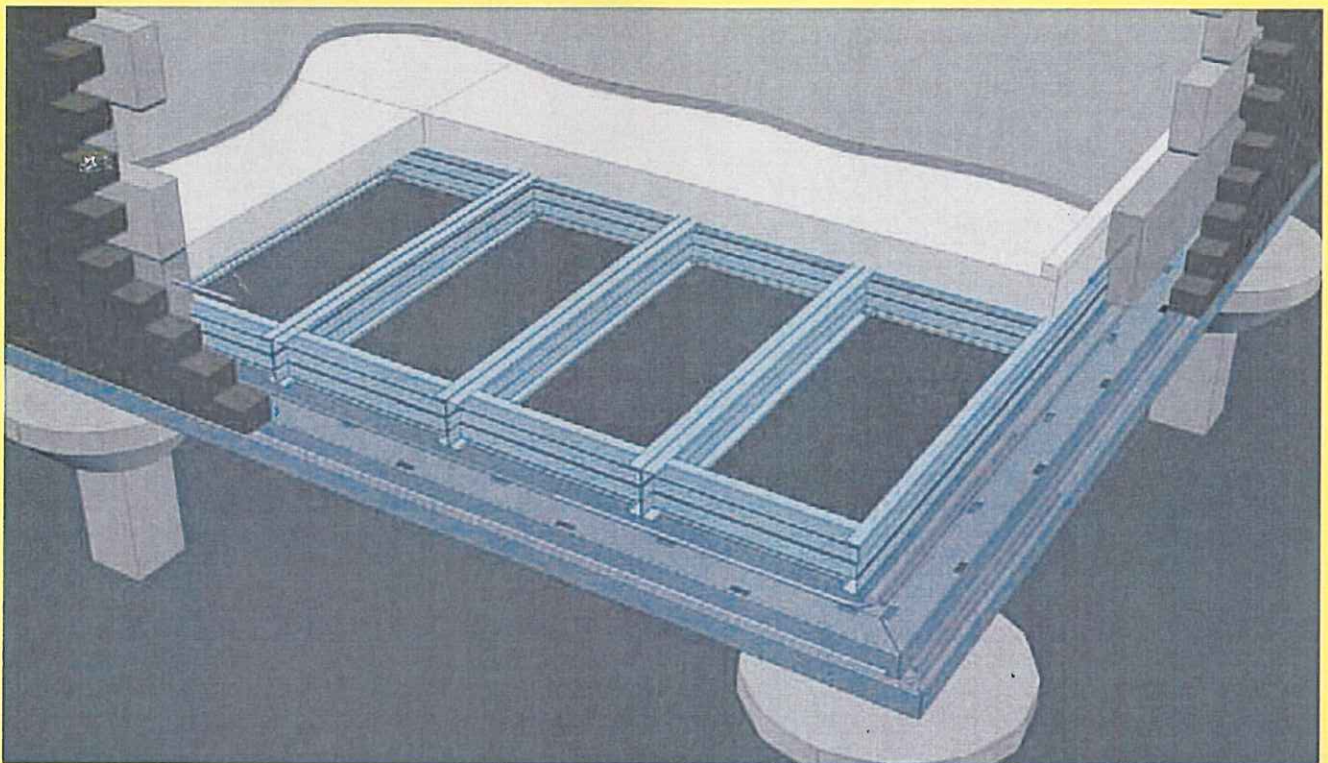


Fig 1: Detail at ventilation position



MODULAR BUILD, 75% OFFSITE IN QUALITY ASSURED FACTORY ENVIRONMENT

LIGHTWEIGHT COMPONENTS – NO CRANAGE & IMPROVED HEALTH & SAFETY

SIGNIFICANT PROGRAMME BENEFITS OVER TRADITIONAL METHODS OF CONSTRUCTION



collective mark
**NATIONAL
TYPE
APPROVAL**



ISO 9001 Certificate Number FS 02321
A PM 13004



ISO 14001 Certificate Number EM 74925

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ROGER BULLIVANT

RBL – INSURANCE BACKED
WARRANTY

SIMPLE & VERSATILE SUITING MULTI OR
SINGLE PLOT DEVELOPMENTS

FULLY INSULATED – PART L
COMPLIANT