

### RAM structural system

The RAM Structural System (RSS) is an integrated modelling, analysis, design and draughting package, which is found quite useful by structural engineers.

Architectural or structural engineering drawings can be imported into the system, or the building can be modelled, using the modelling package, in three dimension. Floor loads are applied to each floor level and the RSS automatically carries out the analysis and design. The system distributes the floor loads, in terms of plan, line and point loads, in accordance with the direction of the slab, generates all the beam and column forces and moments, generates live load reduction, wind, seismic and dynamic loads automatically, analyses the structure in terms of concrete/masonry shear walls, concrete frames, and then

designs every composite/non-composite beam, column, base plate, braced frame and sway frame. The designs are all carried out according to the British, Euro, American and Canadian codes. Once all of the analysis and design has been carried out, calculations of every element and frame are generated, accurate tonnages are prepared and DXF plan and elevation drawings are generated from *Autocad* packages.

Buildings have been designed all over the world using the RSS, with many of the most prestigious buildings in the UK now being fully designed with it. The RSS can deal with any shape and size of building—from a small, one storey mezzanine floor to the multi-storey buildings as discussed.

The company provides a six month warranty to all their customers. Should you think that the RSS has not benefited your company, or it has not paid for itself, in terms of reducing design and draughting time, you can return the system for a full money refund. This is the company policy of taking all the risk away from the customers who buy its software.

For further details, please contact :

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