



Parametric Cells

The Parametric Cells application, which is part of the Intelligent Rail Tools, allows the creation and placement of OLE structures (i.e. cantilevers, portals, headspan).

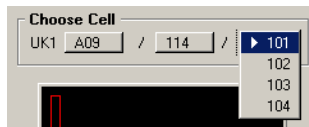
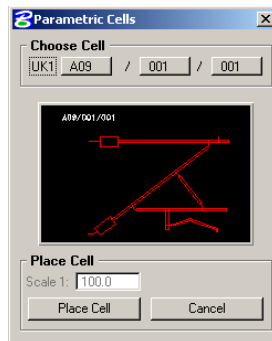
STRUCTURE SELECTION

All structures are displayed in a list contained within the Parametric Cells Selector dialog.

Each type of structure has their own set of files used to define a set of parts which 'make up' the structure.

A 'rules' file exists for each structure. This tells the Parametric Cells tool how each structure needs to be placed.

The 'rules' and the structure parts files can be modified by the user - which allows a degree of 'user customisation' to take place.



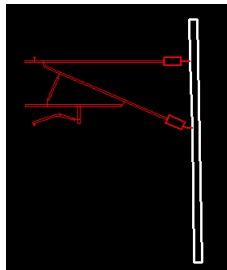
The Parametric Cells Selector dialog allows the user to preview and select the required structure before placement.

STRUCTURE PLACEMENT

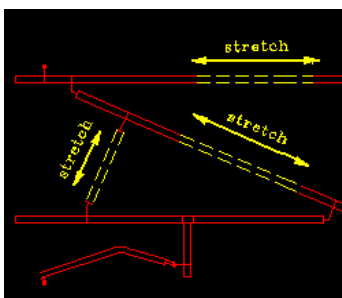
The tools allow fairly complex structures to be placed with the minimum amount of effort.

In most instances no more than four points need to be selected by the user.

If required, an automatic placement option is available allowing structures to be placed using control points that exist in separate files.



The tools work by allowing 'stretchy' drawing elements to be placed in relation to a number of 'key points'.



The placement of each structure is controlled by a set of pre-defined limits specified within a specific 'rules' file.

This allows structures to be created quickly and easily without time being wasted on checking.

ADDED INTELLIGENCE

When used within the Intelligent Rail Tools environment - the structures placed by the Parametric Cells tool allows extra intelligence to be added to the structures. This can include information such as structure names, associated wires, associated staggers, etc.

This means that a structure placed by the Parametric Cells tool within the Intelligent Rail Tools environment 'know' what they are in relation to other Intelligent Rail Tool features such as rails, staggers, wires, etc.

SURVEY DATA

Other options include the import of survey data. This allows either single or multiple structures to be placed automatically by the Parametric Cells tool from data supplied by an on-site survey.