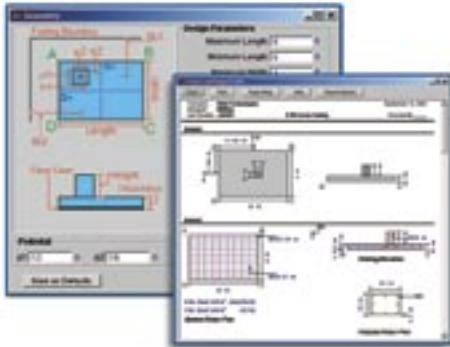




Optimum Designs for One Footing or Your Entire Structure



RISAfoot provides stand-alone and integrated analysis, plus design and drawing of spread footings and pedestals. RISAfoot is the best because it automates every step from analysis to design to drawing and it goes beyond simple issues to handle complex situations, such as biaxial bending, uplift and property boundaries.

Why RISAfoot stands apart:

Load Application

Apply vertical loads, shears, and moments, in both directions simultaneously. Self weight and overburden are calculated automatically.

Soil Analysis

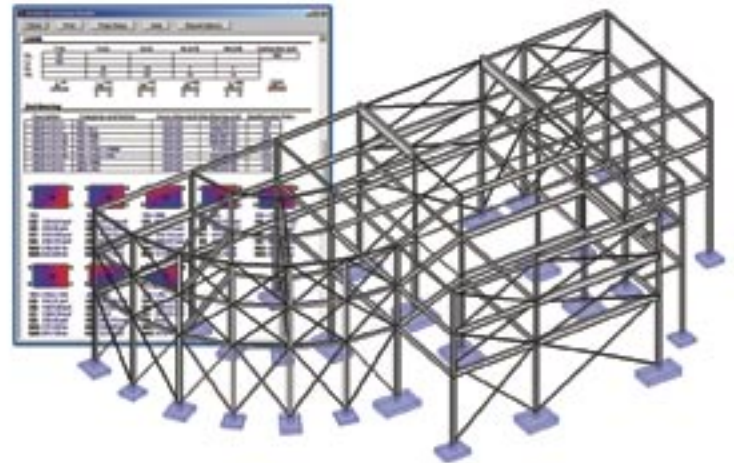
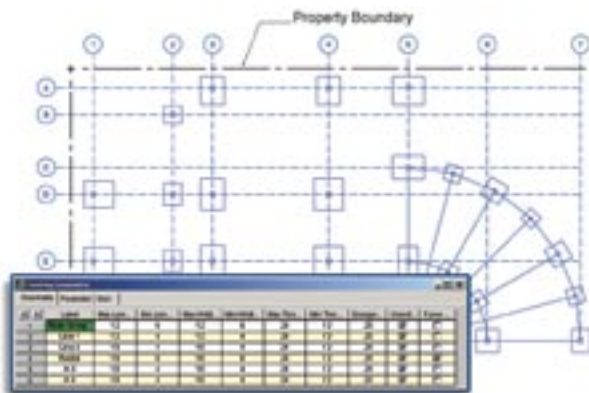
Calculate exact biaxial soil bearing distributions using advanced computational methods.

Footing Optimization

Determine the optimum footing length, width and thickness to satisfy soil bearing, bending, shear, uplift, and boundary criteria.

Pedestal Design

Create a full pedestal design for axial loads, biaxial bending and shear with specific results for longitudinal bars, development and ties.



Overturing & Sliding Checks

Separate load contributions for overturning and stabilizing forces satisfy the desired safety factor. Sliding checks verify that the applied forces can be resisted by the calculated soil friction force and user-defined passive soil resistance.

Integration

Full integration with RISA-2D, RISA-3D and the RISA Building System brings productivity to a higher level. Manage all project footings in one model, in one file, and within the same environment as your structure. All loads are automatically applied and all footings are optimized at once! Changes can literally be handled in minutes rather than hours or days, letting you investigate more design options and helping you adjust on fast-track projects. Detailed foundation plans are automatically generated in seconds.

No other software provides this much flexibility. Whether you need to solve a single footing or all footings on the project, RISAfoot automates as much of the process as possible.

Try RISAfoot today and see how good structural engineering software can be!

WWW.RISATECH.COM

800.332.RISA



RISAFoot is State-of-the-Art Analysis and Design

RISAFoot sets the standard for analysis and design of spread footings and pedestals. All combinations of axial load, uniaxial moment or biaxial moment are handled accurately, **bettering the approximate results found in other applications**. It's the perfect choice for optimal designs for your spread footings, eccentric pedestals and bounding property lines.

- As stand-alone software RISAFoot quickly gives you accurate designs and details for single footings. The stand-alone interface makes it easy to get the results you need.
- Real spreadsheets with cut, paste, fill, math, sort, find, etc. assist with input and results.
- Footings are optimized for geometry limits and many other criteria that you define.
- All loading combinations of axial, shear and moment are solved with exact solutions, including biaxial bending with or without uplift.
- Eccentric pedestal locations may be defined, offset in one or both directions.
- Property boundaries may be defined for RISAFoot to determine optimum footing-pedestal layouts.
- Net or Gross allowable soil bearing may be specified.
- RISAFoot calculates the exact soil bearing distribution under the most complex loading and determines the optimal footprint.
- Automatic calculation of overburden and self weight of footing and pedestal.
- Sliding checks are performed with user defined friction coefficients and passive resistance.
- The footing is fully designed for bending, one-way shear and punching shear.
- Pedestals are designed for axial, shear and bending, including biaxial bending.
- ACI 1995/99/02 concrete design
- Designs, including reinforcing and stirrup requirements, are fully detailed and may be exported for incorporation into CAD drawings.
- Overturning safety factors are maintained and may also be customized by the user. Moments and restoring forces are also reported.
- High quality graphic detail reports, with stress diagrams and detailed calculations, print what you see on screen and are easily customized.
- Constant in-stream error checking and data validation prevent user errors.
- Support for all units systems and conversions at any time let you freely change between any systems.
- Supports unlimited loads and combinations
- Supports Windows 98/2000/NT/ME/XP
- Extensive customization options and user defaults
- Comprehensive printed reference manual
- Encyclopedic online help with index and cross-reference
- No risk, 60-day unconditional money-back trial period

Multiple Footing Solutions

As with most RISA software, RISAFoot is more useful in different scenarios because it **excels as a stand alone application and it fully integrates with RISA-2D, RISA-3D and the RISA Building System** to fully manage structural models from the top down to the foundation. No other software provides this much flexibility. Whether you need to **solve a single footing or all footings on the project**, RISAFoot automates as much as possible.

- Full integration provides fantastic automation and productivity through one common interface.
- Footing loads, criteria and column information are automatically determined from structural models built with RISA-2D, RISA-3D or RISAFloor.
- Multiple footing results are tabulated in powerful spreadsheets with sorting and filtering.
- Detailed foundation plans are automatically generated in seconds.

RISAFoot does not leave you hanging when your footings aren't typical. Advanced solvers included with RISAFoot accurately provide solutions to biaxial bending, eccentric pedestals, limiting property boundary conditions, overturning and biaxial pedestal design.