

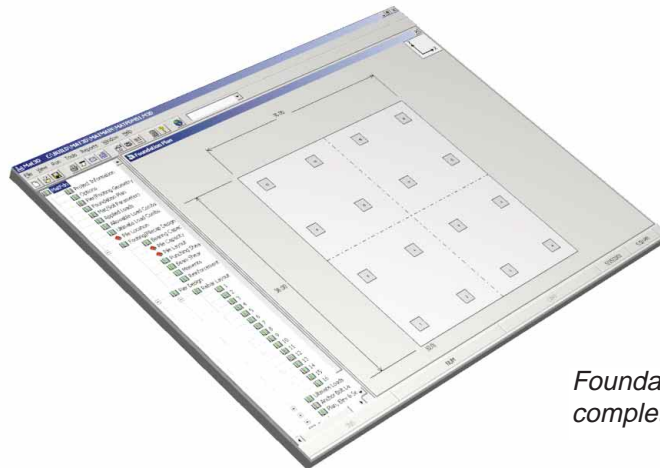
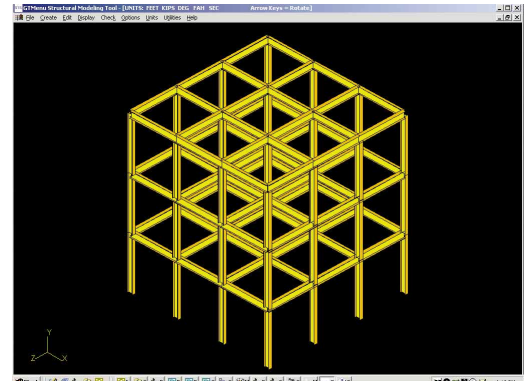


Dimensional Solutions, Inc.

# Mat3D - GT Strudl Interface

*Advanced software for  
foundation design*

*Superstructure design  
completed in GT Strudl*



*Foundation Design  
completed in Mat3D*

Would you like to complete the foundation design of the GT Strudl designed super structure and generate a detailed foundation construction drawing with just a few mouse clicks?

If your answer is yes, you will want to consider the **Mat3D - GT Strudl Interface™** from Dimensional Solutions.

This easy-to-use graphical interface extracts vital information from GT Strudl such as the structure geometry and the support reactions required to complete the foundation design. The interface then brings the vital information into Mat3D to complete the foundation design and generate a detailed foundation construction drawing.

To experience the significant foundation design and drafting time savings that many of our customers have, visit [www.dimsoln.com](http://www.dimsoln.com) site for a free trial.

**DIMENSIONAL  
SOLUTIONS, INC.**

16010 Barkers Point Lane  
Suite 500  
Houston, TX 77079

[www.dimsoln.com](http://www.dimsoln.com)

Phone: 281-497-5991  
Fax: 281-293-9470

Email: [info@dimsoln.com](mailto:info@dimsoln.com)



Dimensional Solutions, Inc.

*Advanced software for  
foundation design*

16010 Barkers Point Lane  
Suite 500  
Houston, TX 77079

[www.dimsoln.com](http://www.dimsoln.com)

Phone: 281-497-5991

Fax: 281-293-9470

Email: [info@dimsoln.com](mailto:info@dimsoln.com)

GT STRUDL Structural Design & Analysis software is a sophisticated, efficient, highly reliable, and fully integrated general-purpose structural information processing system capable of supplying an engineer with accurate and complete technical data for design decision making.

[www.gtstrudl.gatech.edu](http://www.gtstrudl.gatech.edu)

Mat3D is an integrated, single program foundation design solution that takes you from concept to completion in minutes. With its easy-to-use graphical user interface, you can not only complete foundation designs in minutes but also generate detailed construction drawings in popular CAD engines such as AutoCAD and Microstation.

## Key Benefits

Transferring vital foundation geometry from GT Strudl into Mat3D through a user-friendly interface, will allow you to achieve the following:

- ◆ **Reduce input errors, thereby completing your foundation designs quickly and accurately.** If you have ever transferred the data manually from one software program to another, you know how difficult and risky this process is. Because the programs consider different sign conventions for structure geometry and the loads, you must constantly check the accuracy of the signs that you have entered manually. With the Mat3D - GT Strudl Interface you no longer have to think about sign conventions between the programs since the appropriate conversions are automatically completed by the interface allowing you to complete your foundation designs quickly and accurately.
- ◆ **Focus on the foundation design rather than accuracy of input.** Because the interface extracts the latest information from GT Strudl, you are assured that when you complete foundation design of the superstructure, you have used the most recent information allowing you to focus on the design rather than the validity of the data.
- ◆ **Have the flexibility to run multiple foundation design solutions for the same support configuration so that you can optimize your designs.** Because the interface allows you to design the foundations for the supports ranging from a spread footing under each support to a mat foundation with all the superstructure supports, you can analyze "what-if" scenarios for a variety of conditions. This will enable you to optimize the foundation design of any given superstructure.
- ◆ **Automate your design and drafting environment so that you can increase your productivity and reduce costs.** Since the interface allows you to complete your foundation designs in Mat3D quickly and accurately, and because Mat3D enables you to create detailed foundation construction drawing in a CAD engine of your choice such as AutoCAD or Microstation, you and your organization will increase productivity by automating the foundation design and drafting process reducing costs significantly.

Saving time is saving money. Nowhere is that more true than in an engineering project. If you have ever exceeded your budgeted hours you know the value of reducing hours or days required to complete an engineering project. With the Mat3D - GT Strudl interface, you will save hours of foundation design and drafting work, which typically comprise a large part of the overall engineering budget. To experience significant time savings and productivity through automation, please call us or visit us at [www.dimsoln.com](http://www.dimsoln.com) to obtain a free trial copy of the software.

Copyright © 2001, Dimensional Solutions, Inc.

All product names mentioned are the trademarks of their respective owners.