A WHOLE HOUSE BUILDING DESIGN PROGRAM

LP® SOLIDSTART® SOLUTIONS SOFTWARE

LP
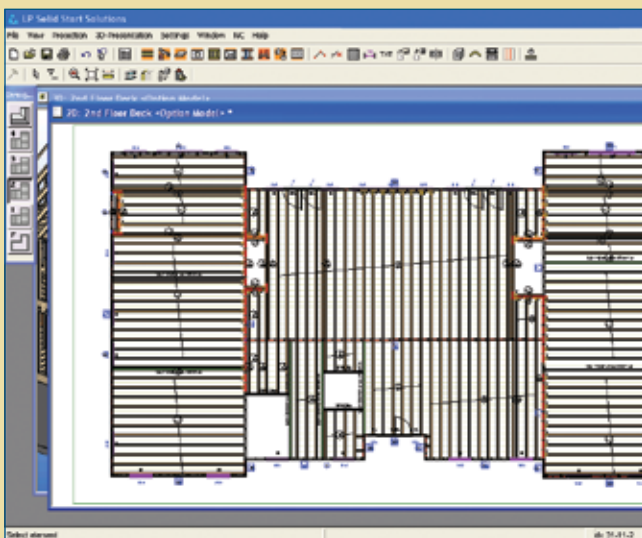BUILDING PRODUCTS **SOLIDSTART®**
SOLUTIONS SOFTWARE

A WHOLE HOUSE SOLUTION
FROM START TO FINISH.

LP® SolidStart® Solutions Software empowers you with the tools to create functional designs and the control to drive efficiency. Created exclusively for LP customers, SolidStart Solutions Software retains a traditional architectural feel, while allowing you to add other materials such as floor sheathing, windows, brick and siding. Watch your project take shape in 2D or 3D, toggling between the two for a realistic view and the ultimate in precision drafting.
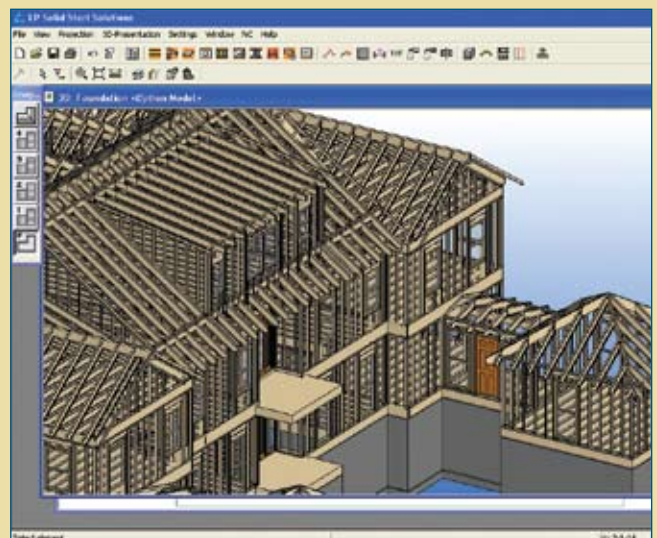
Getting familiar with the software is easy. The interface is intuitive, and the functionality mirrors many of the popular CAD programs you're used to. However, this is anything but an ordinary CAD program. Automated features such as picture-driven details and troubleshooting alerts help alleviate design errors. Parametric modeling and detail-driven framing add necessary components for you. And with automated design, invoicing and materials list creation, you'll discover potential cost savings and built-in efficiencies that will literally transform the way you design.

The following pages illustrate a few of the useful tasks you can perform with SolidStart Solutions. It's only the beginning. We encourage you to get in touch with your LP sales representative for a full software demonstration—and more details about this dynamic, whole house building design program.

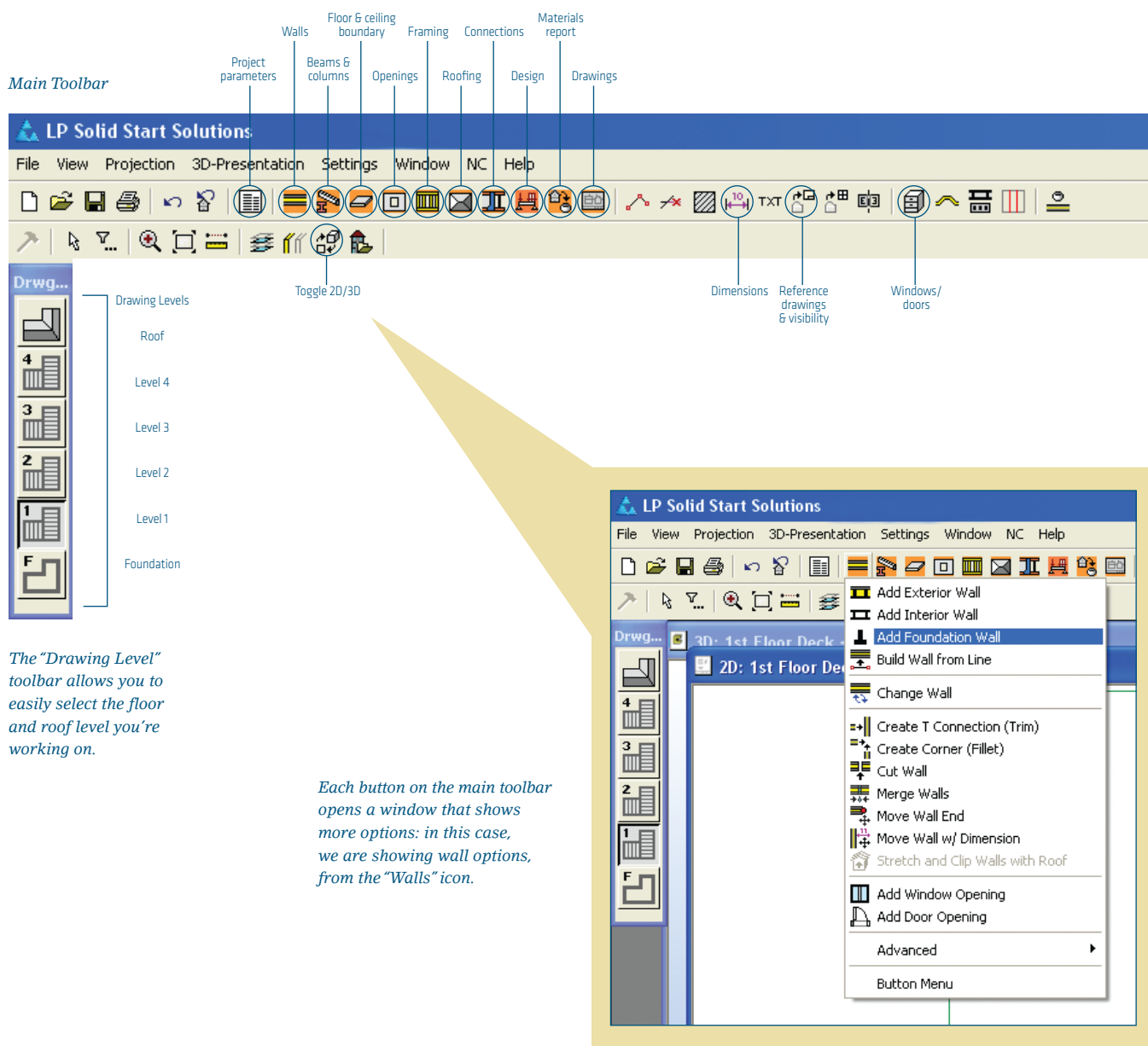*This comprehensive software allows you to get a realistic view of each design stage.*

With the ability to create a structure manually or automatically in both 2D and 3D mode, you have incredible control over building and customizing your house designs.

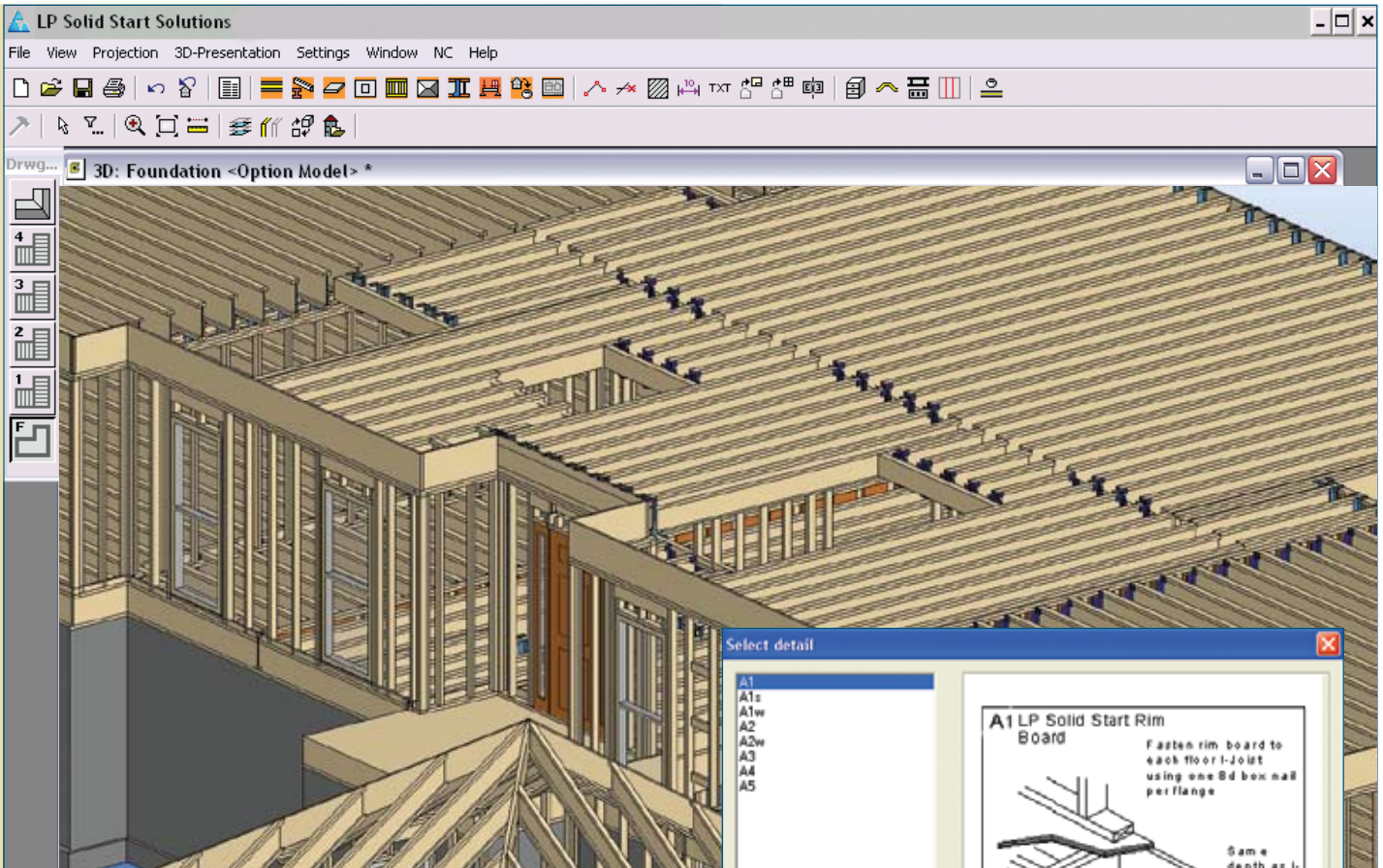# INTELLIGENT AND INTUITIVE, JUST THE WAY YOU WORK.

The software interface is designed to reflect natural workflow. The main toolbar, for example, intuitively steps you through all stages of layout. Begin by establishing a new project and defining parameters and user preferences, using a customized builder's template to facilitate job efficiency, or importing a reference drawing in DWG or DXF formats as a layout guideline. You choose.

Once your project is open, you're ready to get started.

Main Toolbar

Labels: Project parameters, Walls, Beams & columns, Floor & ceiling boundary, Openings, Framing, Roofing, Connections, Design, Materials report, Drawings

Toggle 2D/3D, Drawing Levels, Roof, Level 4, Level 3, Level 2, Level 1, Foundation

Dimensions, Reference drawings & visibility, Windows/doors

The "Drawing Level" toolbar allows you to easily select the floor and roof level you're working on.

Each button on the main toolbar opens a window that shows more options: in this case, we are showing wall options, from the "Walls" icon.

LP Solid Start Solutions

Add Exterior Wall
Add Interior Wall
Add Foundation Wall
Build Wall from Line
Change Wall
Create T Connection (Trim)
Create Corner (Fillet)
Cut Wall
Merge Walls
Move Wall End
Move Wall w/ Dimension
Stretch and Clip Walls with Roof
Add Window Opening
Add Door Opening
Advanced
Button Menu
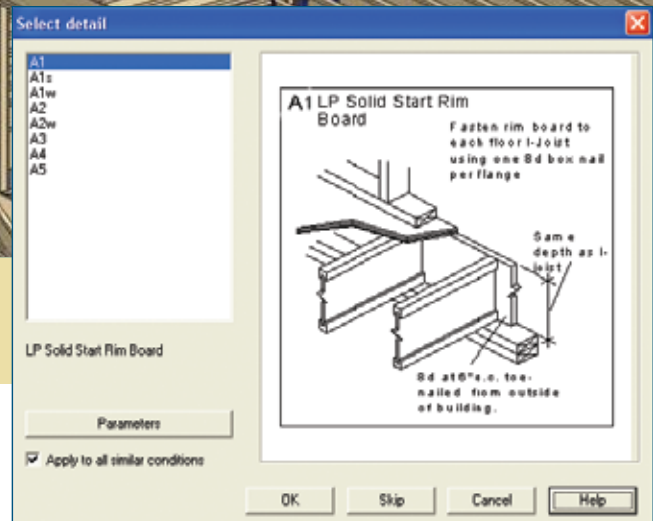
A foundation for efficiency from the ground up.

With built-in checks and balances, LP SolidStart Solutions Software helps you increase efficiencies for the whole house, every step of the way.

With walls and beams in place, you can easily create your floor framing, complete with openings, connections and details.
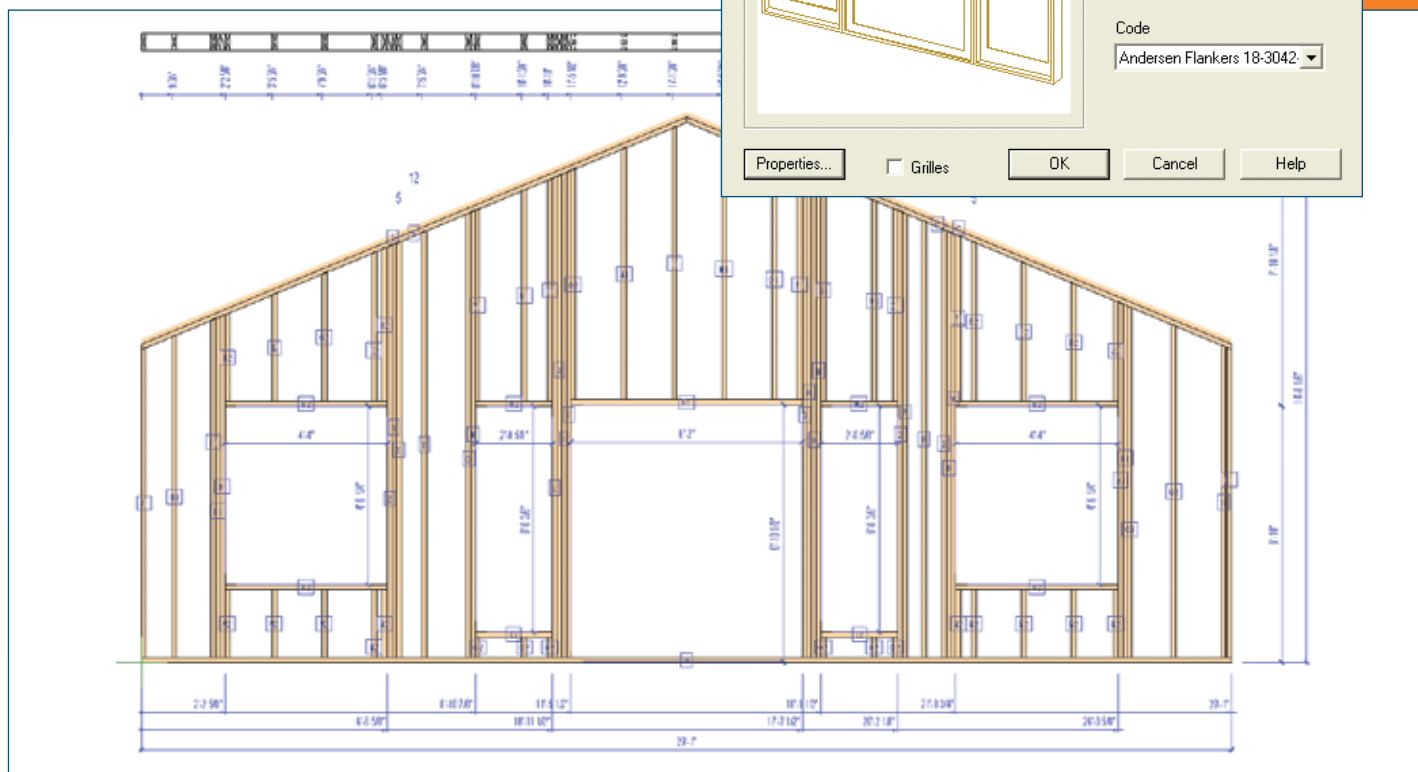

Select LP products from the unique picture-driven details menu, and the software will automatically generate your floor framing based on your selection.

Floor Framing – Add openings of any shape or dimension, and then specify rim board, blocking and web stiffeners from the unique picture-driven details menu. The software automatically labels the drawing for framers and creates a materials list. Changes or edits are just a double-click away.

Wall Framing – Generate wall framing elevations, select corner details, and customize and add windows, doors and wall openings.

Picture-driven menus confirm that the feature you're adding is the feature you wanted. LP SolidStart Solutions helps you complete framing systems with confidence, while protecting your bottom line.

ROOF FRAMING – The roof generator creates a basic roof shape, to which you can easily add modifications for various slopes and shapes such as changing a hip roof to a gable roof. Frame the roof as traditional stick framing, I-joist or truss roof, either manually or automatically. It's a simple tool that conquers complex designs.

DESIGN – The software integrates features into one design and drafting package, automatically calculating and transferring the loads throughout the structure. No need to manually input the loads on joists and beams—or individually calculate each beam in a separate program. The program can optimize the products selected based on cost and performance, helping prevent overbuilding. SolidStart Solutions can also check the structural adequacy of specified products. A green or red label tells you immediately if a product passes or fails.
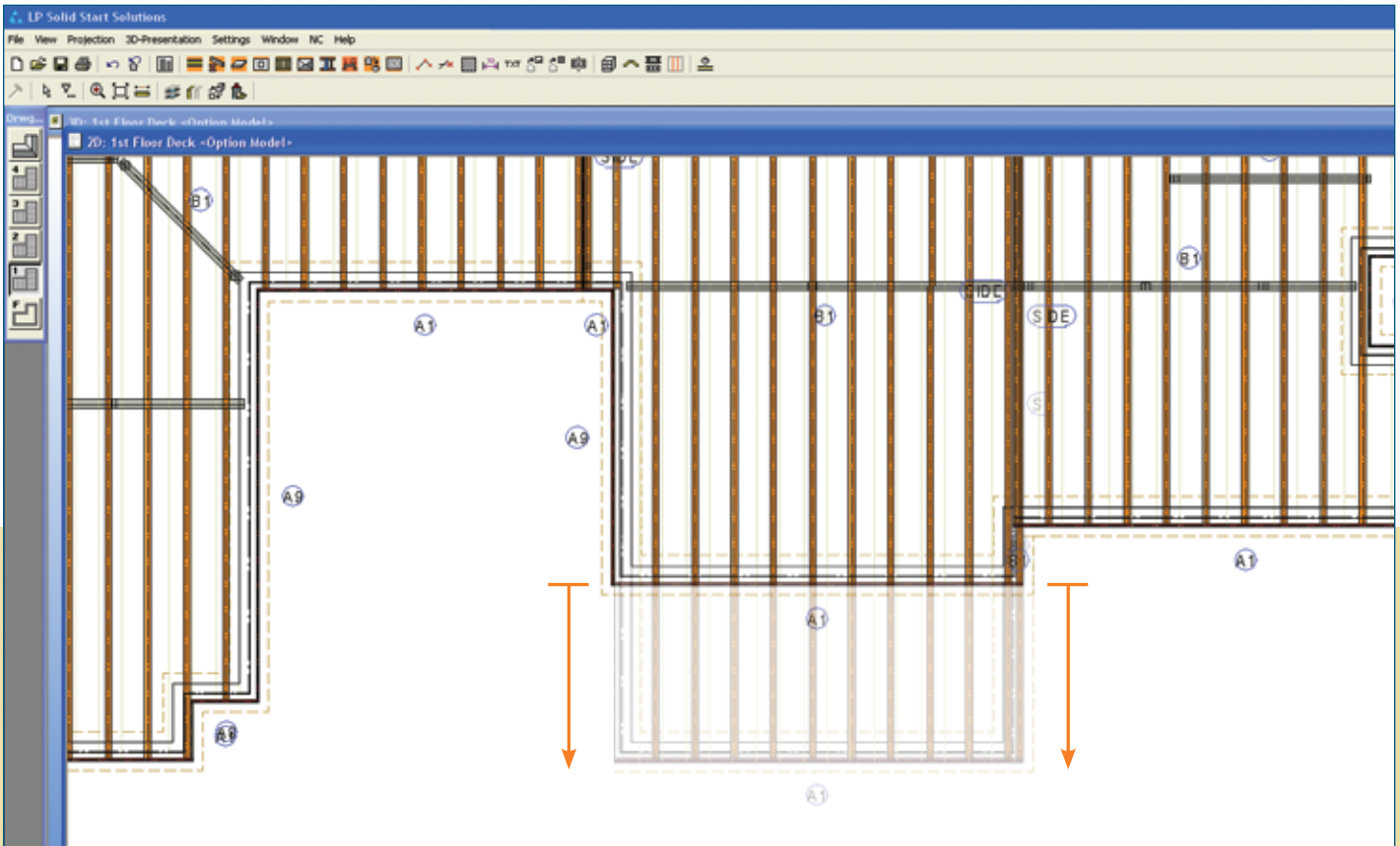
OUTPUT AND COLLABORATION – Your layout is done. You're ready to share. The software makes it easy to output and share plans for materials approval. You can create plots from your drawing, generate materials lists, and build reports such as cut lists and price quotations. You can save your drawing as DWG, DXF or PDF, and our free shareware allows customers without our software to open files, view 2D layouts and 3D models, and mark up drawings with comments.

Picture-driven menus make it easy to generate panel breaks and wall elevations, and choose framing details such as window type and style.

An integrated approach that leads to satisfaction.

The integrated design approach of LP SolidStart Solutions produces customized framing layouts that accommodate builders' needs, and provides the tools to make the design process more efficient and flexible. Improving design, price quotations, materials lists and layout accuracy can only lead to one thing: more satisfied customers.
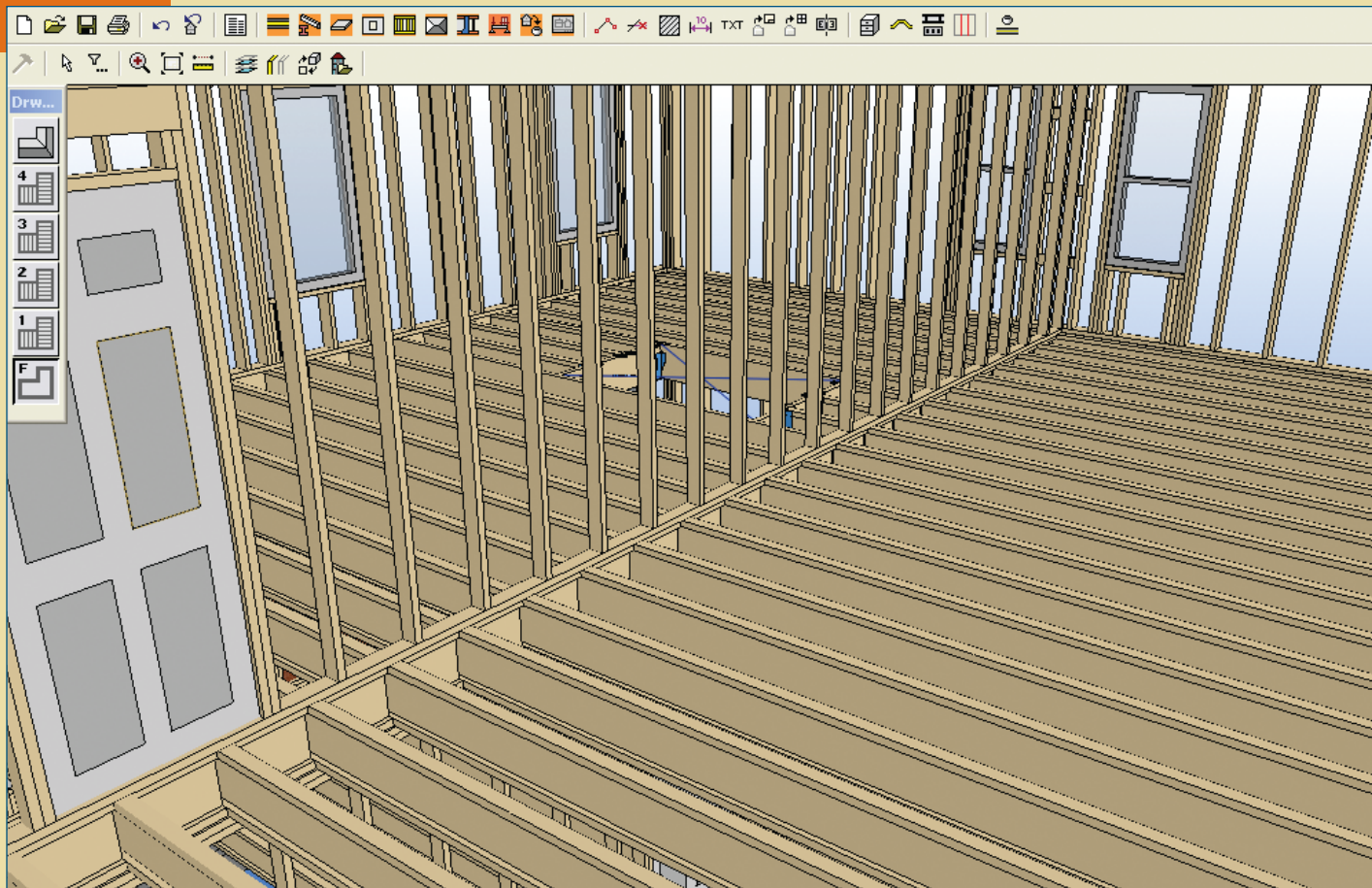

Parametric modeling maintains the relationship of connected elements when you stretch or lengthen your design.

Move it. Stretch it. Keep it together.
Parametric modeling allows you to move walls, beams and other objects—and still retain the proper relationship with everything connected to it. Linked components stay together. If you move a beam, the joists and connections stretch right along with it. Parametric modeling makes it possible for you to efficiently implement changes while maintaining accuracy.

Raise the roof. Save the drawing.
Create a base design, and then use the Options Management System to create countless versions and variations. The Options Management System allows for multiple elevations, roof configurations, wall heights and room layouts to create site-specific plan sets. Once the base drawing and options have been created, you can turn the options on or off with a few mouse clicks to generate a new site/customer-specific house plan.
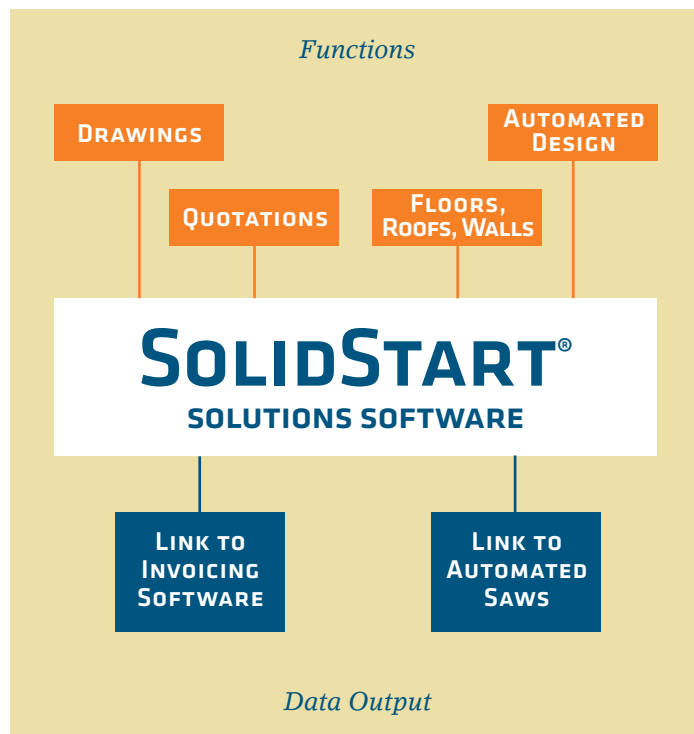
Realistic 3D presentation feature allows you to take your clients on a virtual 3D walkthrough of your design.

Create a virtual presentation tour.

"Walkthrough" and "Navigate" allow you to move through your 3D model like a virtual tour, to realistically experience the flow and design of the building. The cross-section tool slices the images vertically for yet another view.

Drive accuracy and efficiency through links.

With LP SolidStart Solutions you can create links to machinery and accounting systems. The software provides manufacturing data to link to automated equipment. You can further streamline your operations by integrating SolidStart output with business software— and drive the accuracy of your estimates with information that comes directly from SolidStart Solutions.

Functions

Drawings

Automated Design

Quotations

Floors, Roofs, Walls

SolidStart®
solutions software

Link to Invoicing Software

Link to Automated Saws

Data Output

From materials lists and automated machinery settings to invoicing, your entire building project is linked to data that comes directly from SolidStart Solutions.

POWERFUL SOFTWARE. DYNAMIC SOLUTIONS.

From floor to ceiling, framing to design, LP SolidStart Solutions brings it all home in a dynamic program that connects all the pieces:

- Set up defaults by builder
- Design and optimize floor joists and beams
- Identify and flag design errors
- Edit an object to change properties by double-clicking to open the edit window
- Use the shadow of the floor below as a reference to add another floor
- Stretch individual products or entire sections of your drawing

- Create plot templates to use again
- Enter price lists
- Create quotations
- Link to saws to cut lengths, angles and holes
- Link to invoicing systems to reduce double entry
- Move through your 3D model like a virtual tour
- View cross-sectional building images

Ask your LP sales representative for a personal demonstration.

LP BUILDING PRODUCTS

For more information on the full line of LP SolidStart Products, or to locate the nearest distributor, please call 1.888.820.0325, email customer.support@lpcorp.com or visit our website at www.lpcorp.com.

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