

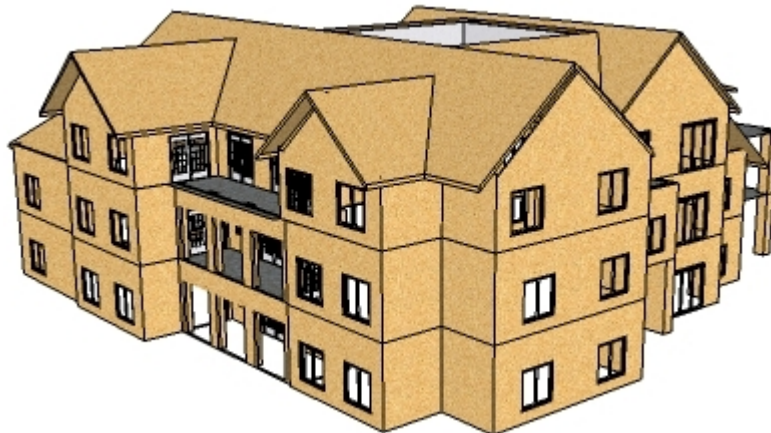
## BCAD Services' BuildersCAD Product Overview\*

Last updated 9/30/2005

### Why use BuildersCAD?

You buy a CAD system to create construction documents. BuildersCAD's superior technology gives you that capability and more -- *without compromising flexibility*. This is a program designed by builders and architects specifically for the construction industry – not a program adapted from other purposes for builders and architects to use.

- I. Produce detailed, accurate construction documents *in less time*.
- II. Design a plan that *really* works.
- III. Build a 3D model as you develop the plans.
- IV. Use your design to generate a material takeoff.
- V. Export the BuildersCAD model into SketchUp for rendering.



\* SketchUp is from @Last Software. Save money by purchasing it in a bundle with a new seat or upgrade of BuildersCAD, or buy it separately at [www.sketchup.com](http://www.sketchup.com).

**BCAD Services**  
Training, support & sales for BuildersCAD and the BuildersCAD Intelli-Framer  
Also: CAD services, construction estimating & rendering  
145 River Bend Drive, Carlton, GA  
706-797-3119, [info@bcadservices.com](mailto:info@bcadservices.com)  
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### I. Produce detailed, accurate construction documents in less time.

BuildersCAD is a full-featured, extremely flexible system powered by the most advanced CAD tools in the industry. Our aim is to enhance your speed and accuracy, and enable you to produce accurate working drawings *fast*. BuildersCAD delivers:

- **A Walls Application that allows you to draw walls – not just lines** -- and the ability to change wall heights for the entire structure with one mouse pick. BuildersCAD sees walls as real entities: copy walls from one floor to another; place windows and doors (not symbols) that carry intelligence to be used to create elevations; use the wall layout to automatically generate a foundation plan.
- **The ability to handle *any* roof** – from the simplest to the most complex. BuildersCAD: can figure the roof plane geometry for you; handle multi-pitched roofs; allows you to set the pitch, size of rafter or truss, and size of the overhang before you generate the roof. Powerful editing tools allow you to tie together multi-story roof systems and manage roofs for designs with multiple wall heights. In addition, our Profile tool allows you to cut any number of profiles at specified intervals, which you can send to a truss manufacturer to communicate clearly what the trusses should look like.
- **Quickly create dormers**, including the walls, and tie the dormer roof system into the main roof – all **with the click of one button**.
- **The ability to create 2D and/or 3D straight, curved or spiral stairs** -- with or without landings, and including the hand railing -- using our Stair Generator. Specify the floor-to-floor dimension, the number of risers and length of the treads, and BuildersCAD creates the stairs for you.
- Our **Elevation Application** takes the walls, roofs and floors you've entered and turns them into an elevation.
- Our **Sections Application** uses the walls, roofs and floors you've entered to create a section.
- **Global dimensioning** allows you to place most of your dimensions with one mouse pick.
- **Copy from one design to another** with clipboard functionality
- **Global edit** routines allow you to make changes to notes, dimensions, etc.
- **Create symbols from complex details** that you can place with one mouse button pick; you can always freeze and edit the details later.
- A symbol library – which you can customize -- to help you **create electrical, plumbing, kitchen and bath plans**. BuildersCAD can generate a materials list for the symbols placed. **Our library contains more than 4,000 images!**
- **Layout** your **lot** or a **subdivision** with the **Site Design Plug-in**, part of the basic BuildersCAD package.
- **Import** a **scanned** plan into BuildersCAD and trace over it to develop construction drawings.
- **Output** your plans to **plotter** or **PDF** using the built-in PDF driver.

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## II. Design a plan that *really* works.

- BuildersCAD generates **an intelligent 3D roof plane system that distinguishes between hips, ridges and valleys**. You know how the frameable roof looks before the plans are generated – so there are no surprises when the plan is built in the field.
- Our Copy Level tool in walls makes sure the **walls stack accurately**.
- Our **Foundation tool creates a foundation that actually lines up with the walls**. Verify whether the face of the stud sits on the outside of the foundation wall or is held back ½-inch to allow the sheathing to finish flush with the outside of the foundation wall.
- **BuildersCAD will show you any problems with openings** when you try to create an elevation.
- Review the **BuildersCAD model** in the eZ viewer. It allows you to **dynamically section and rotate** the model. This is an **invaluable tool** in figuring out **difficult roofs**. (You must download and install eZ to use this option, but purchase of eZ is not required.)
- The **Stair Generator** creates **2D and 3D stairs** for you and tells you exactly where your stairs begin and end.
- With our Intelli-Framer plug-in (which must be purchased separately), you can **make sure floor joists, wall studs and roof rafters stack properly**, and avoid conflict between plumbing fixtures and floor joists.

## III. Build a 3D model as you develop the plans.

- You don't need to complete the plan to view the 3D model. **Stop at any time while entering or editing walls, and generate 3D walls** with one button pick.
- **Window and door symbols** automatically appear in the 3D walls **at the correct elevation**.
- **Generate multiple roof styles for a design in the same database**, and display just the one you want to see.
- When you **generate 2D stairs, 3D stairs (with hand railing) are generated simultaneously**.
- eZview tool allows you to **view and cut sections through the 3D model**.
- Our optional Translator allows you to **export the model as a DXF or DWG file**.
- Use the **3D model** to determine where to cut **sections** for you plan.

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**IV. Use your design to generate a material takeoff.**

- Using the plan you've entered, **BuildersCAD can run a report of the geometric areas of the house**, giving you specific information such as: surface area of roof; surface area of walls by floor; surface area of floors.
- **Direct BuildersCAD to apply specific estimating formulas to specific areas of the house.** For example: apply an estimating formula for roofing shingles and felt to the roof surface; or apply an estimating formula for siding to the exterior wall surface.
- **Use the default estimating formulas, modify them or create new ones.** Take a little time to enter into BuildersCAD the formulas you currently use to do manual takeoffs, and from that point on use the program to **generate takeoffs in a fraction of the time it takes you to do the same work now.**
- **Takeoff all materials or takeoff only specific materials.** With a few mouse button picks, apply estimating formulas to the entire house.
- Upgrade to our **Intelli-Framer plug-in** (which must be purchased separately), and get an **even more detailed estimate** on framing material.
- Unlike other CAD programs, **you don't have to decide how the house will be finished before you enter the plan.** You apply the estimating formulas after the model/design is complete. So, if you wish, you can apply siding to the house and generate a material list, then go back, clear the siding and apply brick to the house and generate the material list again.
- **BuildersCAD comes with a complete Stock File and Estimating Formulas.** You can use it out of the box, customize the defaults or enter your own stock and estimating formulas.
- The Parts Application allows you to takeoff a count of symbols such as electrical outlets and bathtubs. Or, **apply a formula to any Part and BuildersCAD will include a list of materials for that specific portion of the job**, for example: a bathtub placed in the database could direct BuildersCAD to include the tub fixture, the tub valve and caulk to seal around the tub surround.
- **Generate purchase orders directly from BuildersCAD.**

**V. Export the BuildersCAD model into SketchUp for rendering**

- **Export directly** to SketchUp from BuildersCAD. No need to save out as a DWG file.
- The export feature allows you to **pre-assign SketchUp textures** based on **BuildersCAD colors** so that **the model** that pops up in SketchUp is **already rendered.**
- You can even **model the terrain** with the BuildersCAD **Topographer** (part of the basic BuildersCAD package) before exporting to SketchUp.

**For additional information on our products and services, contact BCAD Services at:**  
**[info@BCADservices.com](mailto:info@BCADservices.com) or 706-797-3119**

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