

## BCAD Services' Intelli-Framer plug-in Product Overview\*

Last updated 9/30/2005

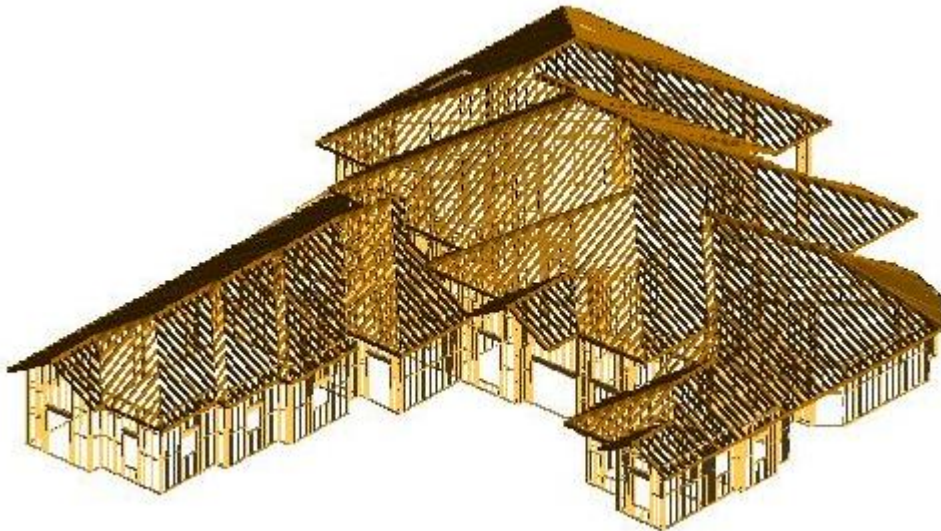
### Why use the Intelli-Framer plug-in for BuildersCAD?

The Intelli-Framer plug-in for BuildersCAD is designed to give you a higher level of detail and accuracy in framing and material takeoffs and plans – all aimed at helping you minimize waste and save money.

If you want to panelize walls, or need detailed floor or roof framing plans with piece marks and cut lists, you need the Intelli-Framer plug-in.

With basic BuildersCAD you get a materials application that allows you to generate materials takeoffs based on estimating formulas. The Intelli-Framer plug-in enhances this capability by allowing you to generate rules-based framing drawings -- *yet still gives you tremendous flexibility at a very affordable price.*

- I. Panelize walls.
- II. Generate a detailed framing takeoff.
- III. Frame Roofs and Floors and generate detailed framing plans.



### 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. Panelize walls.

The Intelli-Framer plug-in for BuildersCAD generates wall framing based on Wall Framing Rules. These rules control: stud spacing, number of top and bottom plates, how intersections and corners are framed, header sizes -- every decision that must be made on how to frame a wall.

- Openings are framed based on the rules that dictate header size, number of jacks, header plate or not, header shim or not, etc. With our **customizable Header Matrix**, you can specify up to 4 different header sizes for 4 different opening size ranges.
- Build your own **library of custom framed openings**.
- **Create a library of multiple sets of framing rules** for walls.
- **Automatically generate cripples** for openings.
- Custom Framing allows you to **edit framing on individual walls**: copy or move individual boards; trim, extend, add or delete boards; split or merge boards; change board sizes.
- **Custom Stud Start** allows you to select the start point of stud layout for all or selected walls. You can make sure studs stack under rafters and above floor joists.
- **Split** walls at locations you choose if you want to break long walls down into lengths more suitable for shipping.
- Easily **rake walls** by indicating varying wall heights or rake by specifying the slope.
- Specify **multiple top or bottom plates**, treated or non-treated.
- **Label framed walls** with numbers or customizable symbols.
- Run a **Panel Length Report**, generate **Bottom Plate Drawings**, or **Generate Panel Elevation Drawings**.
- **Panel drawings are customizable**. You select the information to include on panel drawings.
- **Output** panel drawings to **printer or PDF**. Combine all panel drawings into one PDF and simply the process of submitting wall panel drawings to the engineer.
- Board lengths can be **reported in feet and inches or in just inches**.
- **Board reports are customizable**. Output a list of **Pieces, Components or Openings** from all or select walls. **Piece and Wall Filters** give you control.
- Use the **optional Panel Stacking** for BuildersCAD program (an add-on that is sold separately) to create stacks of panels for shipping.
- The Intelli-Framer generates an ASCII **text file** that includes all **wall panel and board information**. This information can be used to **run your saw or marking system**. (Requires custom programming to map the information to output to your specific saw type.)

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### II. Generate a detailed framing takeoff.

With the Intelli-Framer plug-in, rule sets determine exactly how walls, roofs and floors will be framed.

- **Every board is modeled** -- including the exact width, depth and length.
- Framing **output files are broken down by floor levels** and are generated for wall, roof and floor boards.
- Run a **Pull List** of the nominal lengths of lumber needed to frame the walls, roofs or floors. You can also **run a Cutting Report that tells you how to cut the lumber**.
- Use the optional **Stock Import Utility** (an add-on that is sold separately) to import your lumber yard's stock list. Then generate Pull Lists complete with SKU numbers and pricing.

### III. Frame Roofs and Floors and generate detailed framing plans.

- Frame Roofs or floors by **assigning a Marker that tells the Intelli-Framer what size board(s) you want to use for each hip, ridge or valley**. In roofs, the Marker also dictates what size board and spacing to use for common and jack rafters. In floors, the Marker dictates spacing for joists.
- **Generate 2D and/or 3D boards**. View the framed 3D model in the eZ viewer to make sure studs, joists and rafters **stack** properly. (You must download and install eZ to use this option, but purchase of eZ is not required.)
- Assign a label to every board, then **place or print a list of every board, including each board's exact length, depth and width**.
- Enhanced editing tools allow you to **modify existing boards or add boards to your roof or floor**.
- **Generate roof or floor decking** before or after you generate the boards. **Label the decking layout** or simply generate a list of the number of sheets of roof or floor decking the structure will need.
- Generate just the floor or roof decking. You **do not have to frame the roof or floor to generate the decking**.

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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