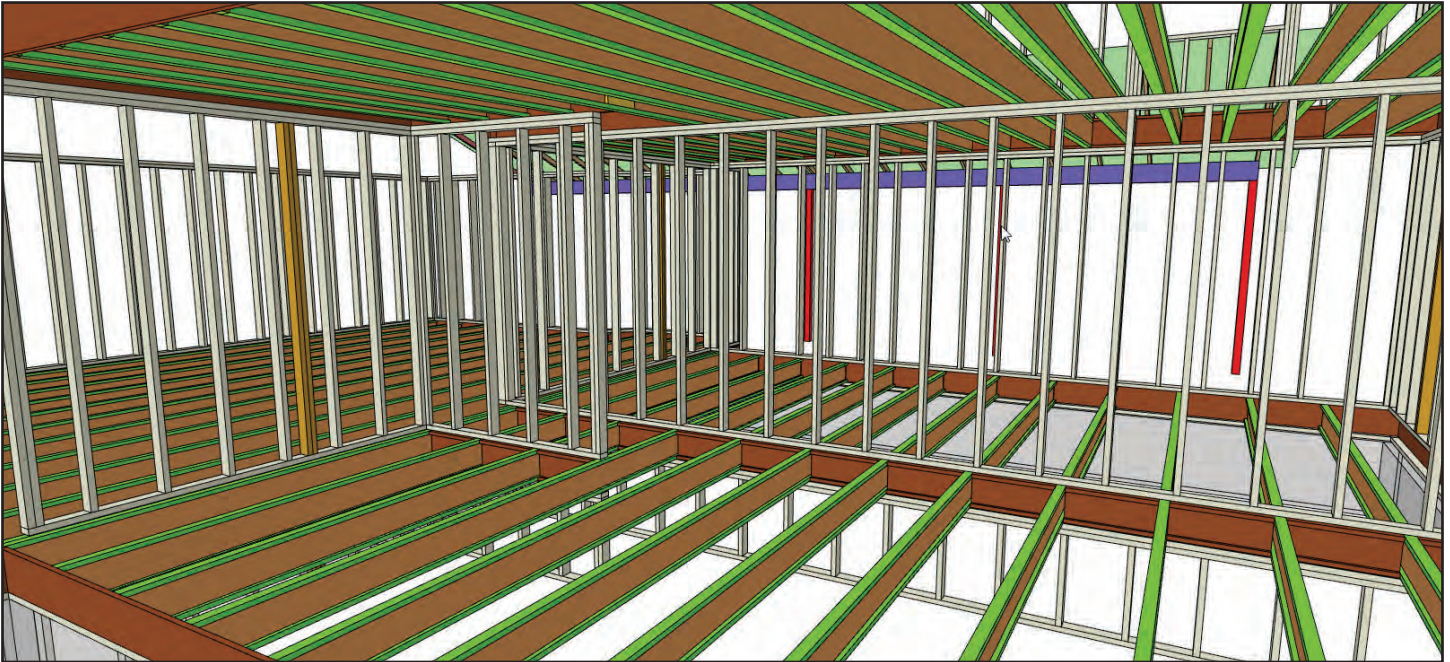


BC FRAMER® JUST GOT A LOT MORE PRODUCTIVE:

INTRODUCING NEXT-GENERATION BC FRAMER® FOR DEALERS AND DISTRIBUTORS.



FOR THE **BUSINESS** OF ENGINEERED WOOD PRODUCTS™

SUPERCHARGE YOUR DESIGN DEPARTMENT WITH NEW BC FRAMER®

New BC FRAMER® represents a huge technological leap to help you improve the efficiency and profitability of your engineered wood products business. Boise Cascade will provide you what we believe is now the industry's best design software, offering far greater

productivity than even our old version of BC FRAMER®. This new software package will help your design department work faster and accomplish more. You don't get paid to do drawings, but at least now you can do them in less time, and better.

TAKE ADVANTAGE OF NEW SOFTWARE DESIGN EFFICIENCIES:

MiTek® SAPPHIRE™ software provides the technology behind this outstanding new platform. Boise Cascade has teamed with MiTek to leverage the high performance SAPPHIRE Structure platform, a true industry standard. Our software will be an all-new version of Boise

Cascade's highly successful BC FRAMER® integrated analysis software. Through file exchange, BC FRAMER® users will be able to share 3-D model files with MiTek SAPPHIRE users.



Boise Cascade
Engineered Wood Products

SHRINK DESIGN TIME WITH BC FRAMER® MODEL SHARING:

- Floor/EWP designers can now share files with wall and roof designers and others.
- Design faster by integrating work input by other software users.

SAVE TIME & PREVENT MISTAKES WITH BEST-IN-INDUSTRY FILE INTEGRATION:

- Open architecture supports Boise Cascade's ability to work with you, the customer.
- Can import from or export to SAPPHIRE Structure.
- Import files directly from Cadsoft®, SoftPlan® and Autodesk Revit®.
- Import and export files using Autodesk DWG, DXF or DWF, import Adobe® PDF files.

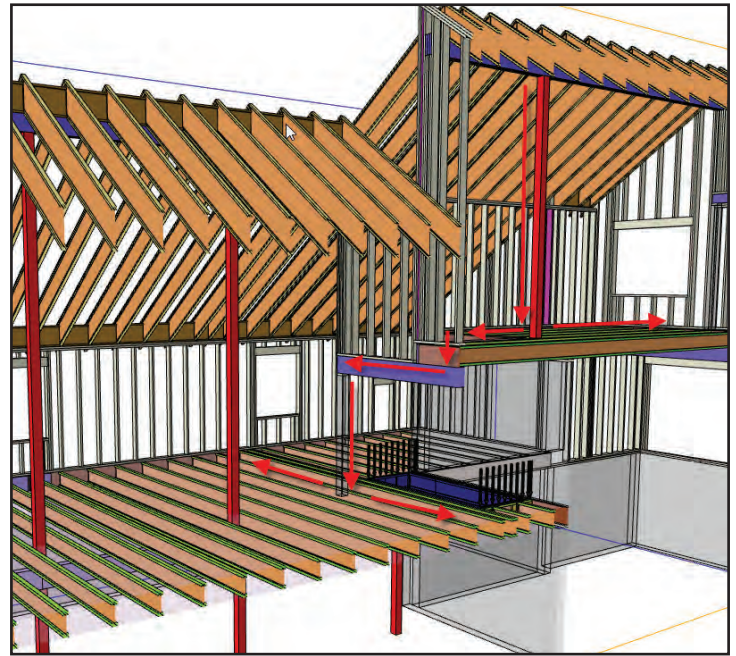
EXPERIENCE THE EFFICIENCIES OF BC FRAMER® WHOLE HOUSE MODELING:

- Truly integrated whole-house design with automatic load distribution and carry-down.
- Optimized whole-house structural design solutions integrate with other software to simultaneously design floors and roofs, and model walls and tall walls for material takeoff.
- Increase sales of all Boise Cascade EWP by bidding more than just floors.
- Sell more than just EWP: New system reports connectors, plywood, accessories, more.

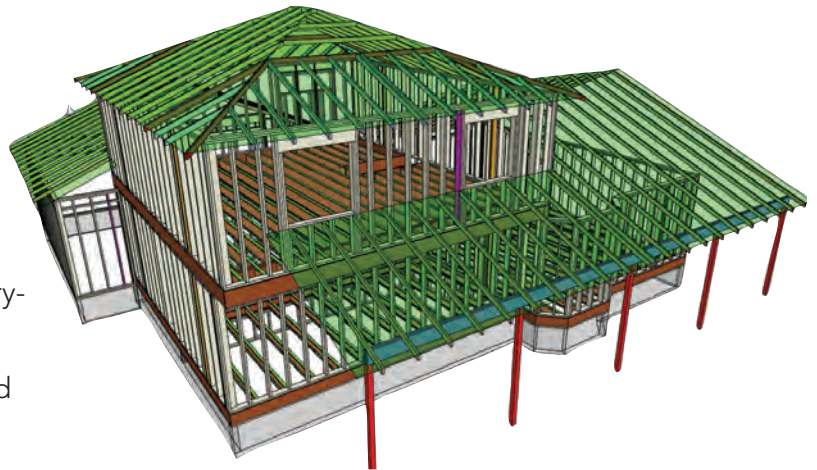
CHECK THE PLAN EVERY POSSIBLE WAY WITH BC FRAMER® FULL 3-D VIEWER:

In the past, because load carry-down was done manually and because it's been difficult to track loads in complex buildings, it was possible to miss loads and create problems that showed up later. Now, it can all happen automatically with full 3-D modeling with automatic load distribution and carry-down throughout the structure.

- Next generation 3-D design gives the ability to essentially walk through the entire structure and see detail of how the job will be framed, including hanger placements.



- Better information and insight let you work out bugs long before product gets to the jobsite.
- Zoom, pan and rotate in full 3-D to view and check every detail.
- May also shorten the approval process by providing such depth of detail.



ELIMINATE REDUNDANT DESIGN STEPS:

DRAW FLOOR AND WALL PLANS SIMULTANEOUSLY WITH BC FRAMER®:

- Now draw precise walls easily while you're designing the floor.
- Wall modeling is integrated so a change to roof or floor design changes walls & vice-versa.
- Create floor plan, export cut list to saw, load material into saw, saw to length, deliver.
- Field crew can build without errors and not have any unused material to return.

SAVE STEPS WITH 1 LARGER FLOOR CONTAINER, NOT SEVERAL SMALL ONES:

- 3,000 sq. ft. floor might have required 5 or 6 framing areas in the past.

NOW, MANAGE OPTIONS IN A FRACTION OF THE TIME:

- Easy management of multiple complex building options programs.
- Create a master plan and multiple options that can be quickly selected and exported to a plot-specific file in a few minutes – a fraction of the time it could have taken in the past.
- Rules-based options eliminate selection of options that can't be built together.

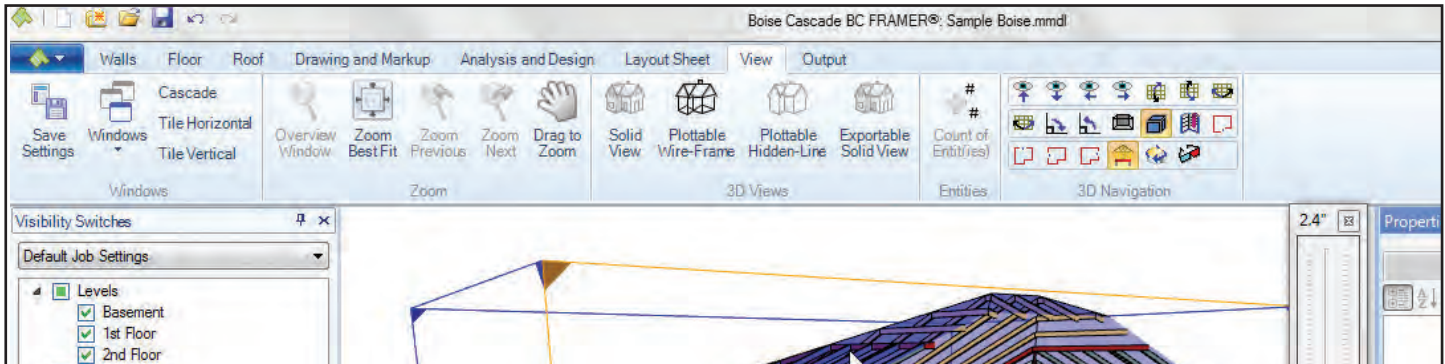
FIND AND USE SHORTCUTS:

SAVE TIME, MAKE MONEY WITH FORMULA-BASED WHOLE-HOUSE ESTIMATING:

- Easily create accurate estimates by applying stored formulas to modeled objects.
- Easier to also bid on other non-floor framing products the company sells.

GRAB AND QUICKLY MOVE WALLS, FLOORS AND ROOFS:

- Change dimensions quickly, in one simple step.
- Pull the plan as needed -- BC FRAMER® handles the details.
- Automatically makes necessary adjustments in floor, wall and roof plans and material lists.



WORK FASTER WITH FAMILIAR ICON RIBBONS ACROSS TOP OF SCREEN:

- Ribbon layout places all of your tools in easy to use groups.
- Enables designers to start the commands they need quickly.

CUT OUT REPETITIVE TASKS:

DELEGATE TASKS TO BC FRAMER® WITH AUTOMATIC DETAIL COMMAND:

- New BC FRAMER® can recognize many framing conditions, scan software, place detail images and symbols at connections and add other details.
- Software recognizes beams, common building practices, automatically places accessories: Hangers, web stiffeners, backer blocking, X-bracing, rim, bridging, squash blocks.
- Provides usable information on layout sheet – notes, details automatically added by software.

CUT OUT REPETITIVE STEPS WITH PROJECT TEMPLATES:

- Start and finish jobs faster using templates to reduce duplication.
- Customize templates to speed the job by fitting the way you want to work.
- Each member of a local group can be working with the same information.
- Templates can go to workers in remote locations for consistent design and output.

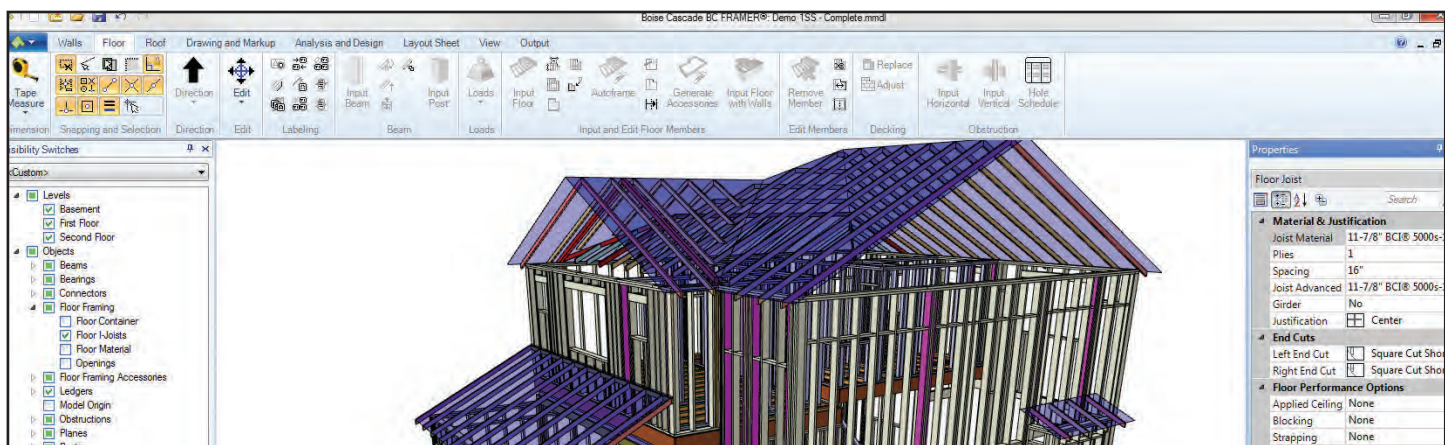
ELIMINATE BUSYWORK:

QUICKLY COPY SECTIONS OR ENTIRE BUILDINGS:

- Can have multiple jobs open on the same screen.

CUT OUT STEPS WITH GREATLY ENHANCED CAD CAPABILITIES.

- Full mirror command capability – array, rotate, copy/paste and more.
- Quick Access Toolbar gets you going fast.



IMPROVE YOUR EFFECTIVENESS:

WORK ON SEVERAL PLANS SIMULTANEOUSLY:

- Open as many plans as your machine and memory will allow.
- Work on multiple plans simultaneously.

BRING FRAMING EFFICIENCIES TO MUCH LARGER STRUCTURES:

- Now design multiple floors in not much more time than it takes to design one floor.
- Much larger footprint -- 30,000 sq. ft. – 100,000 sq. ft. should run without slowdown.

PREVENT LOSS OF DATA:

FIX JUST ABOUT ANYTHING WITH THE MULTI-LEVEL "UNDO" BUTTON:

- Quickly and easily correct mistakes.

- Retrieve what could have been lost data.
- True "Autosave" backup file helps assure you haven't lost anything.

DOUBLE-CHECK FOR PROBLEMS:

AUTOMATICALLY CHECK MODELING WITH MEMBER DESIGN SUMMARY:

- Makes sure the structure is modeled correctly.
- Creates error messages if members need to be redesigned.

VIEW ALL DESIGN RESULTS SIMULTANEOUSLY:

- New lower panel displays all passed, failed or unchecked members together.
- Select members, spells out problems, prints out reports, zooms straight to object.
- Can set up "What-if" scenarios with other products to evaluate options.
- Can accomplish re-design work in less time than in the past.

Label	Design Tag	Member Type	Level	Material	Ply	Pos Moment	Neg Moment	Shear	LL Deflection	TL Deflection	Pos Critical React	Neg Critical React	CVC	Mile/Shear	
✓ F2	#3	Floor Joist	Foundation	11-7/8" AJSB 140 A.	2	481.89 9.1	561.89 9.1	481.89 9.1	0.27 0.7702	0.27 0.7702	521.89 9.1 5.0	481.89 9.1 5.0	0.15	N/A	
✓ F10	#1	Floor Joist	Foundation	11-7/8" AJSB 140 A.	1	374.89 2.0	N/A	345.89 2.1	0.02 0.5988	0.02 0.5988	542.89 1.9 4"	N/A	0.21	N/A	
✓ F6	#6	Floor Joist	Foundation	11-7/8" AJSB 140 A.	1	208.89 1.1	N/A	243.89 1.1	0.07 0.5988	0.07 0.5988	345.89 1.3 3"	N/A	0.05	N/A	
✓ F3	#3	Floor Joist	Foundation	11-7/8" AJSB 140 A.	1	851.89 7.1	871.89 7.0	871.89 7.0	0.37 0.5344	0.37 0.5344	885.89 7.0 5"	51.89 7.0 5"	0.08	N/A	
✓ F7	#7	Floor Joist	Foundation	11-7/8" AJSB 140 A.	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
✓ F2	#10	Floor Joist	Foundation	11-7/8" AJSB 140 A.	1	111.89 0.1	N/A	108.89 0.1	0.02 0.40	0.02 0.40	10.89 0.1 0.1"	N/A	0.01	N/A	
✓ F7	#10	Floor Joist	Foundation	11-7/8" AJSB 140 A.	1	251.89 0.1	N/A	241.89 0.1	0.02 0.40	0.02 0.40	251.89 0.1 0.1"	N/A	0.01	N/A	
✓ F1	#11	Floor Joist	Foundation	11-7/8" AJSB 140 A.	1	142.89 0.1	174.89 0.1	142.89 0.1	0.02 0.40	0.02 0.40	421.89 0.1 0.1"	10.89 0.1 0.1"	0.01	N/A	
✓ F3	#11	Floor Joist	Foundation	11-7/8" AJSB 140 A.	1	188.89 0.2	814.89 1.0	814.89 1.0	0.32 0.3916	0.47 0.4988	825.89 1.0 3.5"	10.89 1.0 3.5"	0.01	N/A	
✓ F3	#11	Floor Joist	Foundation	11-7/8" AJSB 140 A.	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
✓ F8	#12	Floor Joist	Foundation	11-7/8" AJSB 140 A.	1	441.89 0.2	N/A	414.89 0.2	0.17 0.4028	0.17 0.4028	441.89 0.2	10.89 0.2	0.01	N/A	
✓ F5	#13	Floor Joist	Foundation	11-7/8" AJSB 140 A.	1	485.89 0.7	N/A	325.89 0.7	0.17 0.4028	0.17 0.4028	414.89 0.7	N/A	0.01	N/A	
✓ F1	#13	Floor Joist	Foundation	11-7/8" AJSB 140 A.	1	109.89 0.2	314.89 0.1	314.89 0.1	0.37 0.4028	0.37 0.4028	414.89 0.1 0.1"	10.89 0.1 0.1"	0.01	N/A	
✓ F1	#16	Floor Joist	Foundation	11-7/8" AJSB 140 A.	1	277.89 1.1	212.89 1.1	209.89 1.1	0.07 0.3444	0.07 0.3444	222.89 0.1 0.1"	214.89 0.1 0.1"	0.01	N/A	
✓ F1	#16	Floor Joist	Foundation	11-7/8" AJSB 140 A.	1	821.89 0.2	314.89 1.0	619.89 1.0	0.37 0.4028	0.37 0.4028	414.89 0.1 0.1"	10.89 0.1 0.1"	0.01	N/A	

TAILOR BC FRAMER® FOR EACH CUSTOMER:

CUSTOMIZE PROFESSIONAL OUTPUT OF BC FRAMER® TO FIT YOUR NEEDS:

- Clear, concise data is carried forward from original BC FRAMER®.
- Added flexibility in how information is presented

to your customers.

- Can customize the look/design, colors, logos.
- Option of being very sales-oriented, putting your firm's best foot forward.

ENJOY THESE FEATURES CARRIED OVER FROM EARLIER BC FRAMER®:

- Design detailed floor plans while checking loads, for more cost-effective floors.
- Import PDF as well as AutoCad® DXF files.
- Integration with SawTek™ and Hundegger® saws.
- Streamline plans and remove waste, achieving material cost reductions.
- Plan utility lines to pre-cut HVAC and plumbing holes, save labor and prevent errors.
- Create exact material and cut lists to reduce material cost and eliminate most waste.
- Locate foundation and sill plates with precise squaring diagrams.
- Show placement of framing members with color-coded framing plans.
- Illustrate complex framing situations with framing details, lists of connectors, design loads.

- Quickly experiment with different design parameters, check loads, find optimal way to frame.

TO LEARN MORE:

- Visit: EWPSupport@bc.com
- Call: 800-405-5969



Boise Cascade
Engineered Wood Products

Great products are only the beginning.®

www.BCewp.com