



- 3D Roof Designer™ and 3D Wall Designer™ tools – edit in both 2D and 3D
- Enhanced User Interface with new icons and a Drop-Down Toolbar mode
- Import and Export 3DS symbols complete with texture mapping
- New Text tools for efficient annotation and comments
- Easy 3D Modeling – Add, Subtract, and Merge with new Box, Sphere, Cylinder, and Cone tools – use to generate custom shapes or symbols
- Improved detail of individual components with Cross-Section views
- New integrated CAD Toolkit™ Content – over 340 new architecturally correct details that can be easily customized for your specific projects
- New Kitchen and Bath toolbar configuration makes cabinet and room design efficient
- New Color Palette™ tools – easily assign a collection of materials and colors to Color Palette toolbars
- New Mechanical, Electrical, and Plumbing toolbar configuration and layers
- Create new customized toolbars and assign unique names
- Improved speed with Raytrace Rendering
- Over 2,000 new realistic plants with 2D and 3D models
- Improved Plant Chooser™ plant encyclopedia – for added detail and searchable data
- New Landscaping tools for streams, pathways, and terrain walls and curbs
- Customizable Automatic Deck Planking – control the direction and orientation of planking and borders on your decks
- New Stair tools – One-Click Stairs™ and Wrap-Around Stairs
- New continuous wall, line, and arc drawing modes
- Enhanced Replication Tools to easily replicate objects like walls, windows, cabinets, and more for improved design efficiency
- Added support for 3D molding and millwork to include dentil and rope styles
- New Startup Options screen for easy access to projects and help resources
- Enhanced 3D Camera navigation tools with save camera position options
- Integrated Training Videos with Online Help
- Free Client Viewer™ download – share designs with clients for Annotation, 3D views, and Virtual Tours
- Free Bonus Content – download name-brand and bonus content from our website
- New Priority Support – priority support for X1 Users by phone and e-mail
- And many more features and improved tools



### 3D and Render Tools

- 3D Roof Designer™ and 3D Wall Designer™ tools – edit in both 2D and 3D; edit more objects in 3D:
  - Roofs
  - Slabs
  - Walls
  - Stairs
  - Terrain
  - Build Floors
  - Countertops
  - 3D Solids
- Save and Edit Overview Cameras
- Group Select and Open Cameras
- Easier Navigation in 3D views
- Object Snaps in 3D views
- New Material Painter™ modes allow you to paint entire objects, object components or groups of objects by room, floor, or through-out the plan with a single click
- Improved mapping of Material Textures creates 3D view accuracy and realism
- 3D Primitives are new custom modeling tools
  - Box
  - Sphere
  - Cylinder
  - Cone
- 3D Solid Editing on 3D Primitives and Polyline Solids
  - Union
  - Intersection
  - Subtraction
- Surface Edge and Pattern Control in Vector Views and Cross Sections/Elevations allow control of print and display of objects, including:
  - Line Weight
  - Style
  - Color
- Lock Aspect Ratio for Raytrace Renders
- Raytrace setting preserved between sessions
- Save multiple Raytrace configurations with a plan. Choose from any configuration to create different image sizes and quality

### Building Tools

- Build new floors in 3D Views
- Build Framing in 3D
- Frame Lower Ceiling automatically builds framing for false ceilings
- Automatic Balloon Framing. Now choose between standard and balloon framing
- Selectable wall framing in Plan View. Create California Corners and edit other custom wall framing
- Easier selection of Posts and Piers
- Customizable Automatic Deck Planking. Change the direction and orientation of planking on your decks
- Improved Fireplaces have editable height, width, depth, hearth



### Cabinets

- Select the top of cabinets in 3D for editing, moving, and rotating
- Cabinet Shelf Specification now gives you automatic or manual ability to specify the number, depth, thickness, and spacing of cabinet shelves
- Adjust height placement of cabinet drawer hardware
- Cabinet Toe Kick and Flat Sides are now separate controls
- Control the countertop overhang on cabinet backs
- Improved control of backsplashes
- Create hybrid cabinets with the Import Symbol Wizard

### CAD Tools / CAD Details

- Improved detail of individual components with Cross-Section views
- Enhanced line drawing option: Continuous Line Draw Mode – works for walls, lines, and arcs
- Show Line Length and Angle works with multiple selected items
- Group selected CAD objects snap to Object Snaps and Grid
- Polygon tool creates symmetrical polyline with any number of sides
- New CAD Ellipse Tool
- Convert arcs and circles to polylines
- Convert splines to polylines, convert polylines to splines
- Arc Creation Modes enhance drawing control of arcs
- Retain Aspect Ratio now available for CAD Blocks
- New CAD Defaults dialog
- CAD Details are sorted alphabetically in CAD Detail Management dialog
- Line Styles Stored in the Library Browser
- Import Line Styles
- New integrated CAD Toolkit™ Content – over 340 new architecturally correct details that can be easily customized for your specific projects

### Decks

- Customizable Automatic Deck Planking. Deck Tab in Room Specification controls planking orientation, overhang, and borders in herringbone and mitered patterns
- Improved Deck Framing automatically supports all deck members
- Deck Tools separated into their own group
- New Deck Edge tools
- Quickly create Regular Polygon shaped decks

### Dimensions

- Dimension to the center point of objects
- Dimension to plants and images
- Rotate Dimensions in plan view
- Input dimensions or angle coordinates to draw walls, lines, polylines, slabs, roof planes, and stairs



### Display Tools

- Pan Window tool
- Specify Line Weights for Patterns and Fills
- Cursor Crosshairs in 3D Views
- Improved Reference Display is now its own layer set, which allows:
  - Snapping to items in Reference Display
  - Full control of color, line weight, and line color for items being referenced
  - Sending to Layout
  - Printing Reference Display

### Doors / Windows

- Enhanced Door and Window Editing
  - Drag from wall to wall
  - Multiple select
  - Multiple copy
  - Replicate
  - Center on any wall
- Soldier Course available for windows in Millwork library
- Bay, Box, and Bow Windows can be resized using the Transform/Replicate tool
- Doors and Windows for Double Walls (as in adjoining hotel rooms or manufactured homes)

### Editing

- Marquee select all objects, including walls
- Improved Marquee Selection by object type for Stairs, Roof Planes, Terrain, and Plants
- Use Marquee Select to add items to a Group Select
- Select All in plan views
- Rotate objects in 3D views
- Edit selection now improves highlights for rooms, shapes, and other items
- Selection Preview allows you to see movements of items while editing
- New Slow Move feature allows accurate movement of objects with use of the shift key
- New Arc Creation modes provide flexibility in creating curved lines, walls, and other objects
- Copy items from floor to floor while snapping to the reference display
- Copy and Paste in Place tool allows copying between floors and duplication without moving items
- Copy/Paste from other applications to Chief – easily import new materials, pictures, images
- Copy Region As Picture copy the screen image to the Window's clipboard and can be pasted into external applications – like Microsoft Word
- Screen Capture tool automatically captures images from other applications and adds to the Library Browser as Materials, Images, or Backdrops
- Paste Special allows text to be pasted as Text or Enhanced Meta Files – a great tool to preserve your text formatting and colors
- Reflect items about any object in a plan
- Point-to-Point move tool enabled for all items
- Enhanced Replication tools allow users to easily replicate any object along a line or in two dimensional arrays
- Use the CTRL button to add curves to a straight wall, line, road, and many other objects



- Improved Break Tool makes adding corners to shapes easier
- Enter Coordinates dialog allows you to enter absolute X and Y coordinates for a selected object
- Center any object along a wall in a room
- New Sticky Mode for paste, trim, and extend allows commands to be repeated over and over without re-selecting the tool
- Double Level for Edit tools provides more options for specific tools
- Pan View button
- Expanded Delete Objects: Now delete wall openings/hatching from the Delete Objects dialog
- Enhanced editing of corner trim and quoins: copy, edit, etc.
- Place Molding Profiles directly from Library into a plan for editing
- New editing capabilities supports a five-button Mouse

### Electrical / Lights

- Group select and move Electrical Objects
- New Edit Handles for Electrical Connections
- Snap to Electrical Objects
- Edit Light Data from the Library Browser
- 175+ New Electrical Objects

### File Structure / Import / Export

- Create custom Template plans and layouts with the new Save As Template feature
- Supports AutoCAD® 2007 files
- Screen Capture tool for fast insert of any image into Plan or Library
- Removed 32,000 surface limit for Create Symbol Wizard
- Import and Export 3DS file format
- Import and Export Enhanced Metafiles
- Import Solid DXF/DWG objects
- Import Splines and Ellipses from other CAD programs
- Import Line Styles in .DAT and .LIN formats
- Items in Project Browser now appear in alphabetical order
- Plan Thumbnails can be saved regardless of thumbnail preference setting
- Import cabinet and molding symbols

### Image and Picture Files

- Screen Capture allows fast insert of any image from an external program, digital photo, desktop into Plan, Layout, or Library
- Image Specification dialog contains X and Y coordinates for accurate placement
- New Copy Region as Picture allows you to define an area on screen, copy it to clipboard, and paste as EMF or BMP or other application
- New Metafile Specification dialog displays preview and allows you to reset original aspect ratio and set resolution
- Images can be copied and pasted directly into Chief Architect from the Window's clipboard
- New Billboard Image tool allows you to place your own background; it can be used as a backdrop you can also place landscaping around this background



### Landscaping / Plants

- Improved Plant Chooser™ Dialog makes searching for plants fast and easy
  - New Graphics makes visual selection fast
  - Consolidation of the plant data on a single screen
  - Extended search attributes for more detailed searches
- 1000+ New Plants
- 250+ 3D Plant Models add realism, cast shadows
- Terrain Features can be created and edited in 3D
- New Spline tool added to the Terrain Feature Tools
- New Garden Bed Tools
- New Water Feature Tools
- New Stepping Stone Tools
- New Terrain Wall and Curb Tools

### Layers

- New layer display with a drop-down layer selection
- Display of objects controlled by layer set for each view type
- Color and Size Columns affect 3D views
- New Layer Set Management allows customizable access to layer sets
- New Layers for Plumbing, HVAC, and Audio/Video with new lines styles for specific elements in those Layers
- Reference Display is now a layer that is printable and can be sent to Layout
- Layer Set Defaults dialog centralizes layer set control and usage for:
  - Aerial Views
  - CAD Details
  - Camera Views
  - Cross Sections
  - Framing Views
  - Model Details
  - Plan Footprints
  - Reference Display
  - Truss Details
  - Wall Details

### Layouts

- Add Renderings and 3D views to layouts with the Send to Layout tool
- Send to Layout now creates a new layout file automatically – avoiding the need to first open or create a layout file
- Enhanced Layout editing. Restricted Angles and Object Snaps now available
- Layer sets for layout view are now stored with the plan's layer sets
- Create custom layer sets for each view in the Layout
- Edit layout Lines now supports CAD snaps, rotate, and move handle
- Use current layer set or create a copy when sending views to layout
- Improved control of line weights in views sent to Layout



### Library Content Items

- 1900+ New Library Objects
- Integrated Kitchen and Bath Designer's Content – over 200 items specifically for Kitchen and Bath design
- Integrated Roof Designer's Content
- Integrated CAD Toolkit™ Content – over 340 architecturally correct details that can be easily customized for your specific projects
- Additional Content available for Download from [www.chiefarchitect.com/content](http://www.chiefarchitect.com/content)
- New Line Style library category
- 3D Moldings Objects to easily create decorative dentil and rope moldings

### Library Tools

- Edit Electrical Data from the Library Browser
- View Plant Attributes from the Library Browser
- Import Custom Line Styles to the Library Browser
- Search for library items by Style
  - ADA
  - American Casual
  - Arts and Crafts
  - Asian
  - Colonial
  - Cottage
  - Kids
  - Mediterranean
  - Traditional
  - Urban
- Create symbol libraries using 3DS and Solid DXF/DWG file formats
- Import objects with over 32,000 surfaces
- Import hybrid cabinet objects
- Auto scroll in Library Browser aides in quick navigation

### Materials and Content

- New Material Painter™ options allow efficiency in material application
- Improved mapping of Material Textures creates 3D view accuracy and realism
- New stand-alone Color Chooser™ makes it easy to choose new colors and materials from a digital photo or webpage
- Free downloadable Bonus Content from [www.chiefarchitect.com](http://www.chiefarchitect.com)
- Download over 20,000 manufacturer library items from [www.chiefarchitect.com](http://www.chiefarchitect.com)

### Roofs / Gutters / Skylights

- Improved edit handles for curved roof planes in Plan and 3D Views
- Create and Edit Roof Planes in 3D
- Improved feedback during manual roof creation
- Control roof Overhang per wall
- Improved fascia width control. Set eave and gable Fascia separately for each roof plane



- Choose to Auto-Build Roofs with Same Roof Heights at Walls, or Same Height Eaves
- Separate default pitch for Shed Dormers
- New Plan Check capabilities for Dormers
- Automatic Dormers are now easier to place in plan and work with any roof pitch
- Dormers are placed on their own layer
- Dormers now have a Eyebrow roof style

### Rooms / Floors

- Rooms can be selected in 3D Views
- Adjust room heights by dragging in 3D views
- Create regular polygon rooms with a single step
  - Specify the number of sides for a polygon room
  - Specify the size of the room
  - Create all the walls with a click!
- Center any object in a room

### Schedules

- Labels now have move handle
- New Label tab for objects allows customized labels that display in the schedules
- Objects in schedules now retain their numbering when the plan changes
- New Re-number Schedule Tool
- Added Label column to schedules

### Stairs / Railings / Moldings

- Center Stairs on Walls
- Enhanced Staircase Specifications: Extend String Top, Nosing at Top of Landing, Riser Surface at Top Landing, and more
- One-Click Stairs™ – click to auto-create at the change of a floor height or outside of a deck
- New Wrap-Around Stairs allows stairs sections to join around outside and inside corners
- Lock Center for curved stairs allow greater editing control
- Stairs can be drawn, selected, and edited in 3D Views
- Control line styles for stairs by section
- Fill Style for stairs

### Terrain / Roads / Sidewalks

- Create and Edit Terrain Features in 3D
- Terrain Features now are calculated in the Materials List
- Terrain objects can be added to the library
- More Terrain tools make Lot design faster and easier
  - Garden Bed Tools
  - Water Feature Tools
  - Stepping Stone Tools
  - Terrain Wall and Curb Tools



### Text and Arrows

- AutoFill Text Macros for designer and client information
- Text Arrows snap to most objects
- Callouts can be copied and pasted
- Improved Callout editing
- New Leader Line text tool

### Toolbars and Menus

- New Drop-Down Toolbar mode
- Updated Toolbar Graphics
- New Kitchen and Bath Design Configuration toolset – extended cabinet tool options make kitchen and bathroom design fast and easy
- New MEP Configuration toolset – tools for HVAC, Plumbing, & Electrical all in one place
- Improved menu organization makes tools easier to find
- Improved Customize Toolbar dialog is easier to use
- New Toolbar Configurations based on project processes
- Floating Toolbars Maintain their position between sessions
- New Color Palette toolbars

### Utilities and Support

- Check for Program Updates Automatically
- Integrated Training Videos with the Online Help
- Free Client Viewer™ download – share designs with clients for Annotation, 3D views, and Virtual Tours
- Free Bonus Content – download name-brand and bonus content from our website
- New Priority Support – priority support for X1 Users by phone and e-mail

### Walls

- Create and edit Walls in 3D views
- New Marriage Wall tool allows a double wall that frame appropriately
- Walls can be group selected with other walls and objects
- Point-to-Point move now available for walls
- Enhanced wall editing capabilities: Move entire wall segments in any direction and rotate walls with edit handles
- Enhanced wall drawing options: Continuous Wall Mode
- Center Object available for Walls
- Convert Straight walls to Curved Walls
- Curved walls can be drawn using new Arc Creation Modes
- Specify wall widths in fractions or decimals
- Wall Defaults have been improved and reorganized
- More Walls Types available in the Profile Plan
- Improved Wall Fill Style control
- Create Polygon rooms with the click of a button...as many sides as you want
- Deck Tools are now separated from the Walls Tools into their own group
- Fence Tools are now separated from the Walls Tools into their own group