

AutoCAD®
Structural Detailing
2010

Questions and Answers

AutoCAD® Structural Detailing software offers better precision and greater productivity for detailing and creation of fabrication shop drawings.

AutoCAD Structural Detailing 2010 software, built on the familiar AutoCAD® platform, enhances productivity with more precise detailing and creation of fabrication shop drawings. Help improve accuracy through material-specific bills of quantities and schedules. Automate concrete reinforcement definition and shop drawing creation for various types of structural concrete members. Model steel structures or import CIS/2 files, enabling faster and more efficient modeling of steel connections and shop drawings. Help streamline the steel fabrication process with links to computer numeric controlled (CNC) machines. Extend design to fabrication with direct integration between Autodesk® Revit® Structure 2010 software and AutoCAD Structural Detailing 2010 software.

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1. General Product Information

1.1 What is AutoCAD Structural Detailing 2010?

AutoCAD Structural Detailing software is built on the familiar AutoCAD platform and enhances productivity with more precise detailing and creation of fabrication shop drawings for various types of steel and concrete structures. AutoCAD Structural Detailing is available as part of AutoCAD® Revit® Structure Suite 2010 software, which includes Autodesk® Revit® Structure 2010 software, AutoCAD® 2010 software, and AutoCAD Structural Detailing 2010. This suite allows you to extend design to fabrication with direct integration between Autodesk Revit Structure and AutoCAD Structural Detailing.

1.2 Who benefits from AutoCAD Structural Detailing?

Detailers and fabricators will use this solution to produce fabrication shop drawings. Structural engineers and drafters who need to produce fully coordinated detailed drawings that incorporate analysis and design results also benefit from AutoCAD Structural Detailing 2010 software. Also

1.3. Is AutoCAD Structural Detailing 2010 available as a stand-alone product?

No, AutoCAD Structural Detailing 2010 software is available as part of the AutoCAD Revit Structure Suite 2010.

1.4. Where can I get more information about AutoCAD Structural Detailing 2010?

To learn more about AutoCAD Structural Detailing 2010 software visit:

www.autodesk.com/structuraldetailing

www.autodesk.com/revitstructuresuite

2. Technology

2.1 What are the primary features of AutoCAD Structural Detailing 2010?

AutoCAD Structural Detailing 2010 software includes two main detailing capabilities: the Steel and the Concrete Reinforcement.

The Steel detailing capability can be used in two ways: to utilize building information models from Autodesk Revit Structure software by importing CIS/2 files, or models can be created from scratch. Either way enables faster and more efficient generation of steel connections and shop drawings.

The Concrete Reinforcement detailing capability automates reinforcement definition and shop drawing generation for all types of structural concrete members. It can be used on its own and can also be integrated with Autodesk Revit Structure 2010 through the Revit® Extensions for Autodesk® Revit® Structure 2010 software.

Additional features of AutoCAD Structural Detailing 2010 include:

- Intelligent structural objects
- Powerful macros
- Country-specific detailing templates
- Regional databases of steel profiles, materials, and reinforcement bar shapes
- Automatic views, cross sections, and details

- Automatic generation of complete shop drawings
- Schedules and material takeoffs
- Customizable detailing and shop drawing styles
- Interoperability with structural analysis software
- Import Autodesk Revit Structure data

2.2 In which units is AutoCAD Structural Detailing 2010 available?

AutoCAD Structural Detailing 2010 software is available in metric and imperial units.

2.3 Is AutoCAD Structural Detailing 2010 available worldwide?

Yes, AutoCAD Structural Detailing 2010 software is available worldwide in a number of languages. Contact your Autodesk Authorized reseller for exact dates regarding specific languages.

3. Installation, Configuration, and Licensing

3.1 AutoCAD Structural Detailing 2010 comes as part of AutoCAD Revit Structure Suite 2010; do I have to install all components?

No, AutoCAD Structural Detailing 2010 can just be installed and used as a stand-alone.

3.2 Does AutoCAD Structural Detailing 2010 use the AutoCAD Network Installation wizard for network deployment?

Yes, AutoCAD Structural Detailing software utilizes the AutoCAD® Network Installation wizard for network deployments.

3.3 What should I do if I need help installing the FLEXlm® license server or getting my single-user copy authorized?

As with all other products, you should contact your reseller first for help with installation and licensing issues. Resellers can then escalate problems that cannot be easily resolved to Autodesk Client Services. Autodesk® Subscription customers can email Autodesk directly with installation support questions.

4. Compatibility and Interoperability

4.1 How does AutoCAD Structural Detailing integrate with Autodesk Revit Structure 2010?

Structural elements that have been modeled in Autodesk Revit Structure 2010 software, such as concrete beams and columns, can be reinforced in Autodesk Revit Structure and the related data sent to AutoCAD Structural Detailing 2010 software for the creation of detailed reinforcement shop-drawings. This integration allows structural engineers to extend their design data for fabrication. Similarly, structural steel models done in Autodesk Revit Structure can be exported to AutoCAD Structural Detailing for the creation of complete steel shop drawings.

4.2 How does AutoCAD Structural Detailing 2010 integrate with Autodesk Robot Structural Analysis 2010 or Autodesk Robot Structural Analysis Professional 2010?

Structural elements that have been designed in Autodesk® Robot™ Structural Analysis 2010 software and Autodesk® Robot™ Structural Analysis Professional 2010 software, such as reinforced concrete beams and columns, can be exported to AutoCAD Structural Detailing 2010 software for the creation of shop drawings. This integration allows structural engineers to extend their design data for fabrication.

5. Consulting, Training, and Support

5.1 What are my options for training?

Check with your local Autodesk Authorized Reseller for a schedule of software training classes. To locate a reseller, visit www.autodesk.com/reseller.

Attend hands-on, instructor-led classes at an Autodesk Authorized Training Center (ATC®). Increase your competitive edge with proven training from over 2,000 ATC sites in more than 90 countries. For more information about Autodesk Authorized Training Centers, visit the online ATC locator at www.autodesk.com/atc.

Whether you are a novice or advanced user, Autodesk offers a robust portfolio of learning tools to help you perform ahead of the curve. Get hands-on experience with job-related exercises based on industry scenarios from Autodesk Official Training Courseware (AOTC), books, e-books, e-learning, and training videos. To find out more, visit www.autodesk.com/aotc and www.autodesk.com/learningtools.

Autodesk certifications help you to validate your skills and knowledge, and can accelerate your professional development, improve your productivity, and enhance credibility in your field. Receive immediate diagnostic feedback to assess your strengths and identify areas for improvement. For more information, visit www.autodesk.com/certification. Note that certification is only available for select products in certain areas.

Training courses are also offered through Autodesk Consulting and include Autodesk Virtual Classroom Training (online, instructor-led), custom training to match your organization's specific needs, and Autodesk Classroom Training. To obtain more information about Autodesk's training services, visit www.autodesk.com/training.

6. Subscription

6.1 What benefits does an AutoCAD Structural Detailing software subscription offer?

Get the benefits of increased productivity, predictable budgeting, and flexible license management with Autodesk Subscription. You get any new upgrades of your Autodesk software and any incremental product enhancements, if these are released during your Subscription term. A range of community resources, including web support direct from Autodesk product support specialists and self-paced training to extend your skills, make Autodesk Subscription the best way to optimize your investment in AutoCAD Structural Detailing software.

The annual fee includes:

- Autodesk Subscription offers a way to make your AutoCAD Structural Detailing software costs predictable. Whether you opt for a one-year subscription or a multiyear contract, the costs are known for the entire term of your contract.
- Product enhancements may include extensions, bonus packs, or other rich content for AutoCAD Structural Detailing—exclusive to Autodesk Subscription customers. Autodesk Subscription customers can access these new downloads that add new functionality and features to your AutoCAD Structural Detailing software. You can adapt them into your current workflows and apply them immediately to your new projects to help you stay competitive.
- Autodesk Subscription helps make managing software licensing hassle-free and flexible. You have added flexibility to allow your employees to use their AutoCAD Structural Detailing software—in the office or at home. Better yet, designers are entitled to run previous versions of AutoCAD Structural Detailing software concurrently with the latest release (under certain conditions), so updates will not cause disruptions to ongoing projects where clients or partners are running previous versions.
- Get what you need to stay productive with AutoCAD Structural Detailing software. With web support you get direct, one-to-one communication with Autodesk product support specialists for answers to your installation, configuration, and troubleshooting questions. And you do not need to keep track of support records and email trails, because we will do it for you!
- Get your team up to speed quickly with access to a complete library of interactive training tools and high-quality, self-paced e-Learning lessons that allow users to increase their productivity and master new skills. E-Learning lessons give you a quick and easy way to learn about the features and functionality of AutoCAD Structural Detailing software. These short lessons are available on demand and complement more in-depth training provided through [Autodesk Authorized Training Centers](#) or Autodesk Authorized Resellers.

To learn more, take the Subscription tour at www.autodesk.com/subscription

6.2 What product downloads are available for AutoCAD Structural Detailing for Subscription customers?

For the latest product downloads, please visit www.autodesk.com/subscriptionlogin.

Downloads may include the latest release of the software, extensions, bonus packs, or other rich content for AutoCAD Structural Detailing—exclusive to Autodesk Subscription customers and can be downloaded from the Subscription Center www.autodesk.com/subscriptionlogin.

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