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Autodesk® Revit® Structure 2010

Autodesk Revit Structure 2010 software offers building information modeling (BIM) to structural engineering firms, delivering a better coordinated and more reliable model for more efficient and accurate design and documentation. Help improve multidiscipline coordination by using crucial information from architectural and engineering files, whether from Revit-based product models or from 2D file formats. Incorporate analysis through bidirectional linking to popular structural analysis software, including Autodesk® Robot™ Structural Analysis Professional software. Powerful parametric change management technology assists in coordinating modifications and updates across the model and documentation. Utilize a comprehensive set of drafting tools to help complete your construction drawings in Revit Structure, and share your design data with project teams for more efficient collaboration.

What's New

Enhanced Conceptual Design, Modeling and Analysis

- An improved conceptual design workspace for flexible form-making and direct manipulation allows users to sketch in 3D levels, and reference planes give users access to all aspects of the model without relying on multiple views. All conceptual designs are parametrically linked to the BIM model.
- Engineers and drafters can now create slanted columns using the same column families used for vertical columns, which also include analytical characteristics.
- Autodesk® Subscription customers can benefit from a new extension that helps enable preliminary analysis on complex architectural forms.
- Autodesk Subscription customers can also receive enhanced tools for bridge modeling, allowing bridge engineers and designers to more quickly and efficiently model parametric bridge structures.
- Another extension available for Autodesk Subscription customers is a tool for modeling typical 3D steel connections, allowing drafters and engineers to define components required for beam-column end plate connections, or column base connections, and the extension creates the connection using 3D components.

Improved User Interface

- New customizable ribbon toolbar is task-oriented with redesigned, intuitive icons.
- Customizable Quick Access Toolbar allows one-click access to an individual user's favorite and most frequently used tools.
- Enhanced integration with Autodesk® Seek web service lets designers search a vast library of 2D and 3D building products and publish customized designs to the service.
- New "Options Bar," navigation toolbar and enhanced Tooltips help improve productivity and user experience.

Performance and Interoperability

- Native 64-bit support.
- Expanded API (application programming interface) support.

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