Revit Structural Software â€“ Some Salient Features.

by Kimberly Smith

Article published on June 28th 2012 | Visual Arts

Revit is one of the latest innovative release by autodesk which improved the architectural and structural designing. Autodesk has released revit with all three domains Architectural, Structural as well as MEP. Revit is software which has been developed with a purpose of creating Intelligent and parametric Building Information Model. In turn this model is widely used for structural modeling, Bill of quantities, extraction of construction drawing and also aids general analysis of a building. Apart from Modeling some components can also be detailed and drafted within the model. These drafted elements can later be shown in drawings. Some components which can be detailed are tags, bolts, steel plates etc. Some tools that Revit provides are extremely useful in creating intricate detailing for steel structures or Architectural Projects. Sheet Review setups, Shop Drawings etc. can also be created using Revit.

Integrated Project Model:

This feature gives various options such as Automatic Drawing Reference which ensures drawing of each section elevation in perfect sheet. Integrated Revit Modeling basically facilitates parametric modeling. Dimensions, annotations or any geometrical change gets updated in the model and accordingly in the drawing. Drawing Coordination ensures all the detail and schedules are corrected. Integrated Building Material gives option of using the real world building material so less documentation work is required. Live editing and Parametric Designing gives power of editing the drawing accordingly.

Building Design Components:

Assemblies of Nested Component Families ensure multi family component can be combined for more complex drawing. Attachable and insert able component ensures the easy drawing of all essential component such as door, windows, curtain walls. This gives option of drawing curtain wall of different size and shape, complex roof and joining give option to assemble single roof top and produce a complex roof top structure in 3D.

Demolition and Construction Phasing gives option to design the renovation of existing civil structure. Sloped and Complex Glazing System gives option of representing the complex design easy and simple. Structural Modeling and Detailing gives the designing of the structure with itâ€™s all the details and specifications.

Powerful Editing Tools:

Active Work Place Grid is user definable and gives easy visualization of work. Group Tool provides option for editing of all the structure provided on one block while Line Work Tool provides parametric modeling line or edge providing easy creation of pictures and what you need. Paint Tool provides you either option to paint your wall, floor carpet, curtain etc with different shades multiple colours.

Article Source:
http://www.articleside.com/visual-arts-articles/revit-structural-software-some-salient-features.htm - Article Side

Kimberly Smith - About Author:
Tesla Outsourcing firm offering a CAD Services and a BIM Services to clients based across the globe.

Article Keywords:
CAD Services, BIM Services

You can find more free articles on Article Side. Sign up today and share your knowledge to the community! It is completely FREE!