摘 要

国家建设重要内容包含着住宅建设的多少，这种重点工程关系到人们生活的状况和利益。其中最基本的环节就是施工图的设计，它也是最重要的一部分。在设计施工图纸当中，一定要根据建设项目的目标和施工质量要求，科学地合理地设计整个施工过程，以保证建设项目的施工质量。

本文以天和人家住宅楼设计及 revit 设计为例，对照国内外的住宅楼建筑最新的设计方法，然后根据国家相关规定设计出该项目的施工图，再利用 CAD 绘图软件绘制平面图，并最终使用 revit。软件对该项目进行建模，通过建筑二维平面图纸构建虚拟现实模型，并应用通过建筑模型可以用来观摩、分析、研究实体建筑对象。

关键词：revit 设计、建筑施工图、建筑工程、设计图

Abstract

The important content of national construction includes the number of housing construction, which is related to people's living conditions and interests. The most basic link is the design of construction drawing, which is also the most important part. In the design and construction drawings, the whole construction process must be designed scientifically and reasonably according to the construction project objectives and construction quality requirements to ensure the construction quality of the construction project.

Taking the working drawing of Tianhe Renjia as an example, the author designed the plan, the elevation, the detail drawing, the record drawing and the final of the project, in the light of the national standard, the natural condition and the requirements of the project. Then he drew by CAD. At last, he made a 2D building model by Revit, from which we can observe, analysis and study the real construction.

Keywords: Revit, construction drawing, building work, working drawing

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