

Success stories - Site Architects

Splice Apartments



[>>> View the plans](#)

"Its efficiencies for the production of a building are awesome," agrees Lieberman. "It delivered working drawings from design to execution all done by one person in the office. This saving of time has massive meaning for the business - it gives me the ability to seriously streamline the office and production of documentation. Later on, it helped us develop an accurate pricing set and communicate with the contractor."

Design Brief

Site Architects is the owner/developer of 'Splice', a Manhattan-style apartment building aimed at sophisticated, high demand people whose lifestyle requires full back up services including 24-hour valet parking, full-time concierge and daily cleaning services, wireless technology business facilities, gym and catered cocktail pool area. Set within landscaped gardens it features a 7-floor glass entrance and north and south lighting on all apartments due to the unusual curvature of the building. Its luxury apartments offer three different interior styles: modern contemporary, hi-tech industrial and traditional classic.



The first of its kind in South Africa, what is most unique about Splice is its visual design. Says principal architect David Lieberman: "I wouldn't have been able to design the concept of Splice without Revit. It is an awesome design tool which offers architects a whole new way of thinking design. With AutoCAD you are simply drawing lines. With Revit you are thinking in three dimensional buildings all the time - it allows you to create highly intricate and original designs that would be painfully difficult to create in legacy CAD products.

"Revit allows me design flexibility in an intelligent way and is valuable in communicating my precise design intent. With Splice, I literally took a square building design and stretched and squeezed it in plan - Revit enabled me to split the building and then 'splice' it back together again without having to test the variables. I produced a dynamic, curved building that is cost-effective to build and live in. It features an enormous 7-storey entrance lobby and flowing light wells. There are no dark passages and no cold areas.

"Revit has been a tremendous benefit to this project," said Lieberman, "Its ability to coordinate and update design documents freed us to focus more on design criteria."

The only architectural design and production system on the market that empowers architects and building professionals to make changes anytime, anywhere in the architectural process, Revit's parametric functionality and bi-directional associativity among and between all project

elements ensures that design changes are reflected through all drawings and schedules, reducing errors and ensuring complete accuracy of the documents.

"Its efficiencies for the production of a building are awesome," agrees Lieberman. "It delivered working drawings from design to execution all done by one person in the office. This saving of time has massive meaning for the business - it gives me the ability to seriously streamline the office and production of documentation. Later on, it helped us develop an accurate pricing set and communicate with the contractor."

Autodesk Revit's interoperability with AutoCAD also makes it effortless to share files with the associate architect and consultants. "I used Revit to build virtual models according to the structural engineer's drawings, fine-tune them, and show the contractor the results. This allowed the team to solve problems before construction," says Lieberman. "A lot of ideas look good on paper, but Revit can show the built result and how to get there. It puts the power back in my hands, allowing me to move quickly from conceptual design through construction documents in one program. The true power of Revit lies in its complete accuracy when making changes. Working in a parametric building information model frees me up from high stress levels when it comes to the final stages of the project. Revit's pay-off line 'a change anywhere is a change everywhere' couldn't make me more happy."

In addition, Site Architects were able to enhance core architectural and interior design by offering facilities and property management services, allowing Revit to be used in place of traditional facility management software.

Revit's intuitive parametric building modeler is extremely easy to learn and use. Lieberman agrees: "I am able to add a complete section view by simply inserting a section line with a click of the mouse. From the business perspective, Revit is a resource saving package, it means less people doing more - with complete accuracy and in a shorter space of time."



Contact details

Tel: +27 11 486 - 7004

Website: <http://www.sitebat.com/>