



THEOMETRICS

Bringing BIM to the Field

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Developer

SDS Investment Partners

General Contractor

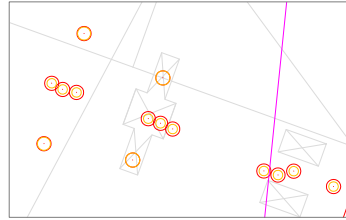
Bovis

Structural Engineer

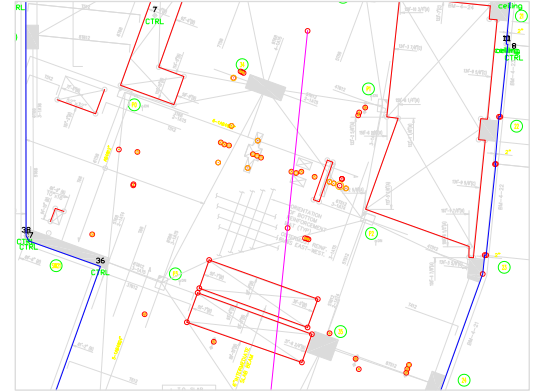
Di Simone



PROJECT: William Beaver Tower
Post Construction Deviation Study



Actual Sleeves Position



Project Overview

100 11th Avenue is a prestigious 23 story residential building located directly off of New York’s Westside Highway.

Scope of Work

Construction of the William Beaver Tower, a 47 story, 350,000 square foot, high end residential building, was brought to a standstill for two weeks due to a single measurement and layout error caused by structural column misplacement.

Theometrics’ expertise was initially needed to ensure successful installation of the project’s curtain wall through edge-of-slab studies for each of its 23 floors. The successful completion of this phase established with Gotham Construction the high quality of Theometrics’ services, leading the company to employ Theometrics’ full range of valuable technology. TheoTechs were subsequently requested to generate topographical studies of each floor and to help streamline the process for wall layout and electrical layout at 100 11th Avenue. Theometrics maintained a daily presence on site in order to aid in the preservation of dimensional quality throughout the life of the project.

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Theometrics is the art and science of precision measurement and navigation in and on construction sites. Our innovative technology navigates users with laser-sharp accuracy, from any point, on any CAD drawing or BIM model, to the exact specified field location. Theometrics’ technology also enables exact, automated measurement and creation of real-time 2D or 3D CAD drawings in the field. Theometrics is the first and only company in the world to establish this Missing Bridge™ between CAD and the field: the transfer of CAD design precision to and from the construction site in real-time.

Timeline	Construction Costs Claim	Owners Interest Expense	Total Cost
When discovered	600,000	1,000,000	1,600,000
After 1 Month	1,000,000	2,000,000	3,000,000
Upon completion	Unimaginable toll		