

THEOMETRICS

Bringing BIM to the Field

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Customer

Polo Electric
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Electrical Contractor

Polo Electric Corporation

Architect

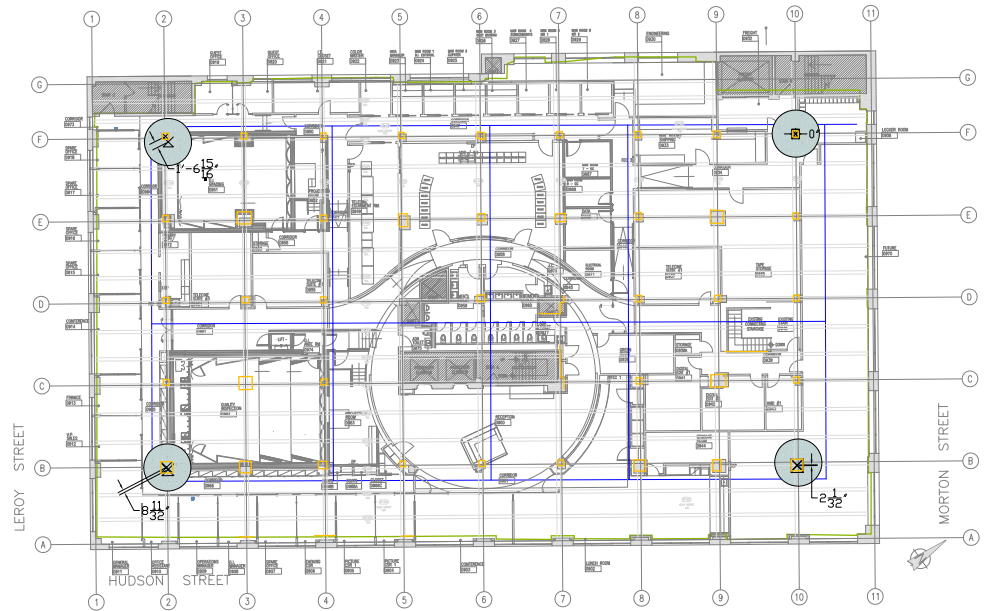
The Phillips Group Architects

General Contractor

J T Mangan

PROJECT: Deluxe Interior Renovation

2D Interior Existing Condition Deviation Study, As-Built Study & Electrical Layout



Project Overview

The Deluxe project involved the renovation of a commercial interior office located in lower Manhattan. The electrical contractor employed in the project, Polo Electric Corporation, is a Certified Theometrics Service provider.

Scope of Work

2D Interior Existing Condition Deviation Study, As-Built Study & Electrical Layout
Theometrics' system was utilized to rapidly conduct a 2D As-Built study of the existing building conditions, once the space had been gutted. The TheoTech team captured the floor perimeter, columns, core structures, and stairwell structures to automatically generate a CAD drawing on site. This drawing was aligned to the design and shop drawings to illustrate the project's "bust", the deviation between actual condition and proposed design. Polo Electric then used the Theometrics system to quickly generate Red Line As-Built drawings of work completed while still in the field. These precise drawings enhanced Polo Electric's construction process and helped them to avert common electrical problems 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.

