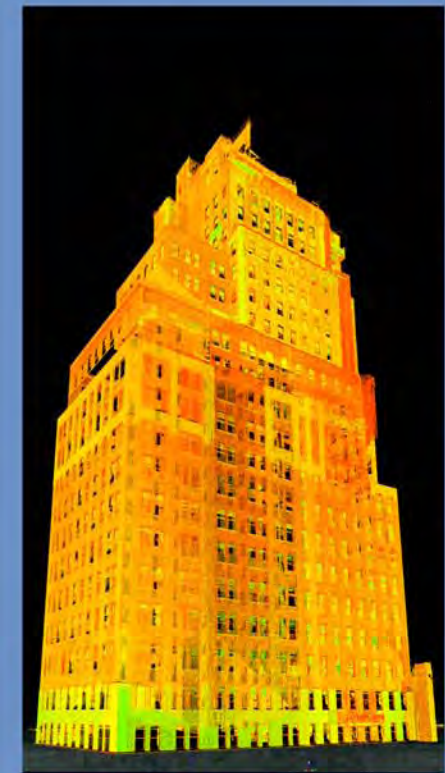
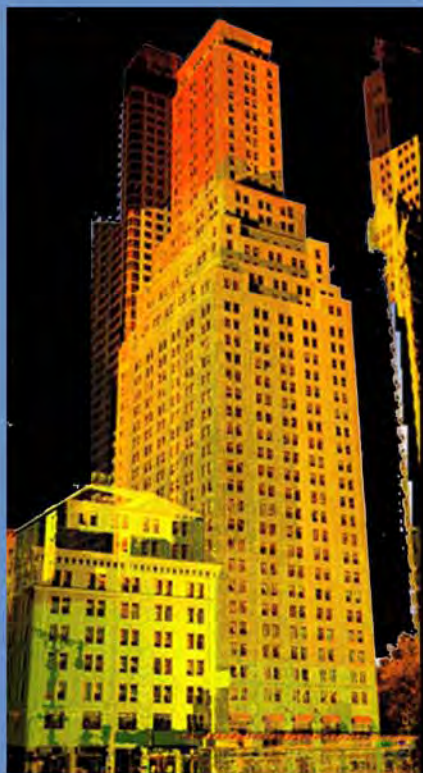
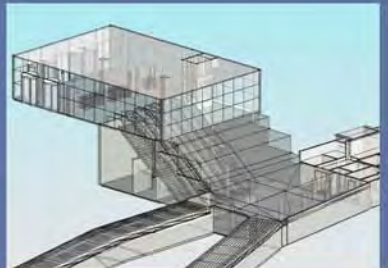
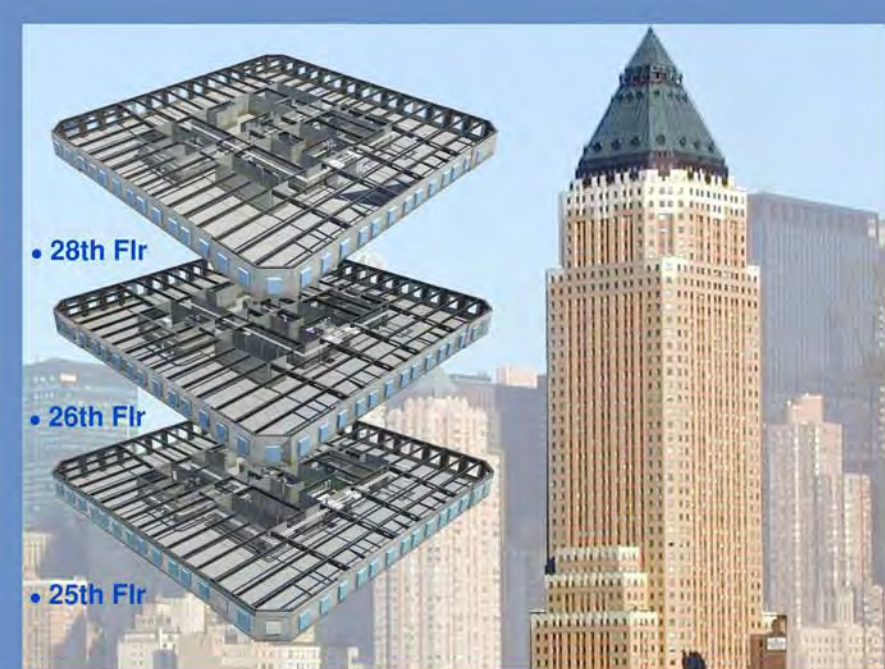


Building Surveying High Definition 3D Laser Scanning



All Design and Construction Work Benefits when it begins with an Accurate Survey of Existing Conditions. Starting work with the precision of a 3D High Definition Survey saves time and money throughout the Building Enterprise Life Span

Our 3D High Definition Laser Scanning, 3D-HDS, offers a methodology for very accurate Building and Facility Surveying. By creating Digital Point Cloud Models to very precise standards for all Visible Building Conditions we are able to precisely capture the geometry of all In Place Building Systems: Architectural, Structural, MEP, and Fire Safety Systems, in all three directions with positional detail accuracy of 1/8".

These Point Cloud Models are then transposed to Custom Digital Formats that meet our client defined needs and digital standards. 3D Models and 2D Drawings are delivered in both BIM, Building Information Modeling, and CAD Formats, including Revit, Bentley Architecture, AutoCad & Microstation 3D & 2D. Digital models and drawings in all formats can be positioned in corresponding Real World 3D Space utilizing Real Time Kinematics and Global Positioning Standards for delivery.

The Munoz Engineering team includes Licensed Surveyors, Engineers, Architects and Construction Managers with more than 30 years of experience. Our client base includes: Major Construction Management Firms, Building and Facilities Owners, Commercial Office and Residential Building Developers, Government Agencies, Large Scale Transportation Work, Institutional and Sports Facilities, Hospitality, and Facility Management for Building Owner Enterprises. All work is customized for services centered on solutions for the specifics of your project. Our 3D High Definition Scanning Surveys are seamlessly coordinated with our Traditional Survey Services for Topographical, Land & Title, Architectural and Construction Layout Surveying.

Client Testimonials by repeat business from our diverse client base attests to the demand for our services. We have been involved in every phase of Building Projects including: Integrated Project Delivery, Pre-Design and Pre-Construction Facility Surveys, Layout for Interior Design Fit Out, Conflict Resolution of Design vs. Existing Conditions, Construction Management of Building Systems Layout, and Finished Construction As-Built Surveys for Building and Database Management.

Virtual Design & Construction Services

- High Definition Building Surveys creating 3D models with unparalleled detail and precision
- Client Driven Custom Defined Solutions based on Construction Site Conditions
- 3D Laser Scanning: TOF & Phase Based, or Hybrid. Point Cloud Registered to GPS in Real World Coordinates
- Field coordination of Building Systems
 - Structural Steel, MEP, & Fire Safety
 - Interior Design Layout Coordination
 - Key Point Location and Layout
- Smart Geometry Drawings & Databases
 - Revit & Autocad 3D and 2D Drawings
 - Bentley BIM and Microstation 3D & 2D

Our Work

- One World Wide Plaza
- 350 Madison Avenue
- 225 Broadway
- The United Nations
- World Trade Center Path Station
- Yankee Stadium
- Barclays Arena
- The Strand Theater
- The Gershwin Hotel
- Newport NJ Path Station

Our Client Sectors Served

- Building and Facility Owners
- Construction Managers
- Real Estate Developers
- Architects & Engineers
- Contractors & Manufacturers
- Government and Public Agencies
- Sports Venues
- Hospitality & Hotels

MUÑOZ
ENGINEERING P.C.
MBE/SBE/DBE



Munoz Engineering P.C.

505 Eighth Avenue, New York, NY 10018

P : 212.967.6588

F : 212.268.9464

35 Journal Square Suite 531, Jersey City NJ 07306

P : 201.222.0560

P : 201.222.0561

W: www.Munozengineering.com

Munoz Construction Management P.C.

505 Eighth Avenue, New York, NY 10018

P : 212.967.6588

F : 212.268.9464

Manhattan Surveying P.C.

505 Eighth Avenue, New York, NY 10018

P : 212.967.6588

F : 212.233.2624

W: www.Manhattansurveying.com



MUÑOZ
ENGINEERING P.C.

MBE/SBE/DBE