



Raw Scan of the Roosevelt Building

Laser Scanning

What is it?

Foit-Albert Associates is able to deliver pin point accurate data quickly and efficiently to our clients. 3D Laser scanning is quickly becoming the new industry standard to ensure precise measurements in challenging environments.

The technology used in this survey service uses a laser beam to scan a surface and collect hundreds of thousands of points each minute. With the collected points, a photorealistic dimensionally correct 3D model is created.

This allows for renderings to be highly accurate, capturing an incredible amount of data that can be used for a wide variety of purposes. The speed at which the data is collected cuts down on costs associated with laborious surveys. Likewise, with 3D Laser Scanning technology, intricate structure features can be captured by utilizing the ability to scan from several points and then combine the produced 3D images.

Used in combination with our architectural, engineering and other surveying services, the data collected through our laser scanning technology allows for seamless use throughout the design and construction processes.

Highlighted Project

SUNY Buffalo School of Medicine & Biomedical Sciences
Buffalo, New York

Foit-Albert Associates is a subconsultant on a State University Construction Fund project that will build a new School of Medicine and Biomedical Science at the State University of New York at Buffalo. The Foit-Albert team is providing architecture, engineering and surveying services for the project.

Current work revolves around an existing NFTA subway station that will be absorbed into the blue print of the project. Foit-Albert Associates surveying team utilized 3D laser imaging technology to verify the exterior and interior construction of the Allen-Hospital Station building. This allowed for accurate building models to compare current conditions to the record contraction documents.

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Firm Overview

Foit-Albert Associates is a full-service architecture, engineering and surveying firm that integrates quality design, functionality, and practicality so that the final product meets our clients' objectives and is an extension of its natural surroundings. Our design teams, working through three key offices, have won more than 20 local, state, and national design awards, which is a testament to the quality of work we provide to all of our clients.

The architectural group brings extensive experience in the design of new building structures and the rehabilitation and restoration of current facilities. Our client list includes representatives of the private and public sector, and encompass commercial, institutional, federal, state, municipal and industrial projects. Project types include educational facilities, institutional facilities, sports and recreational facilities, museums, theatres, libraries and visitor's centers as well as multi-family and student housing projects. We also have historic preservation specialists and a certified code-enforcement official.

The engineering group provides services for a variety of local, state, and federal government and private clients. Project types include bridges, highways, roads, intersections, parks, trails, multi-use paths, stormwater management, environmental engineering, water systems, sewer systems, parking lots, and planning board review projects.

The surveying group handles professional land surveying needs for commercial and residential clients. Our expertise ranges from boundary surveys, ALTA/ACSM Land Title

Surveys, 1A and 2C survey and certification of wireless telecommunication facilities to topographic surveys and high definition laser scanning for architectural and engineering support. Foit-Albert's survey field crews are equipped with current state-of-the-art equipment supported by CADD graphic workstations.

Professional Land Surveying Services

- Residential Surveys
- Commercial Surveys
- ALTA/ACSM Land Title Surveys
- NYSDEC Environmental Easements
- FEMA Elevation Certificates
- FEMA LOMA & LOMR-F Applications
- Lot Grading Plans
- Forensic Surveys
- High Definition Laser Scanning
- Topographic & Utility Surveys
- Automated GPS Machine Control
- GPS & GIS Services
- Telecommunication Facility Surveys
- FAA 1A & 2C Certifications
- Construction & Utility Layout
- Volumetric Surveys
- Hazardous Waste Surveys



Architecture. Engineering. Surveying.

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