



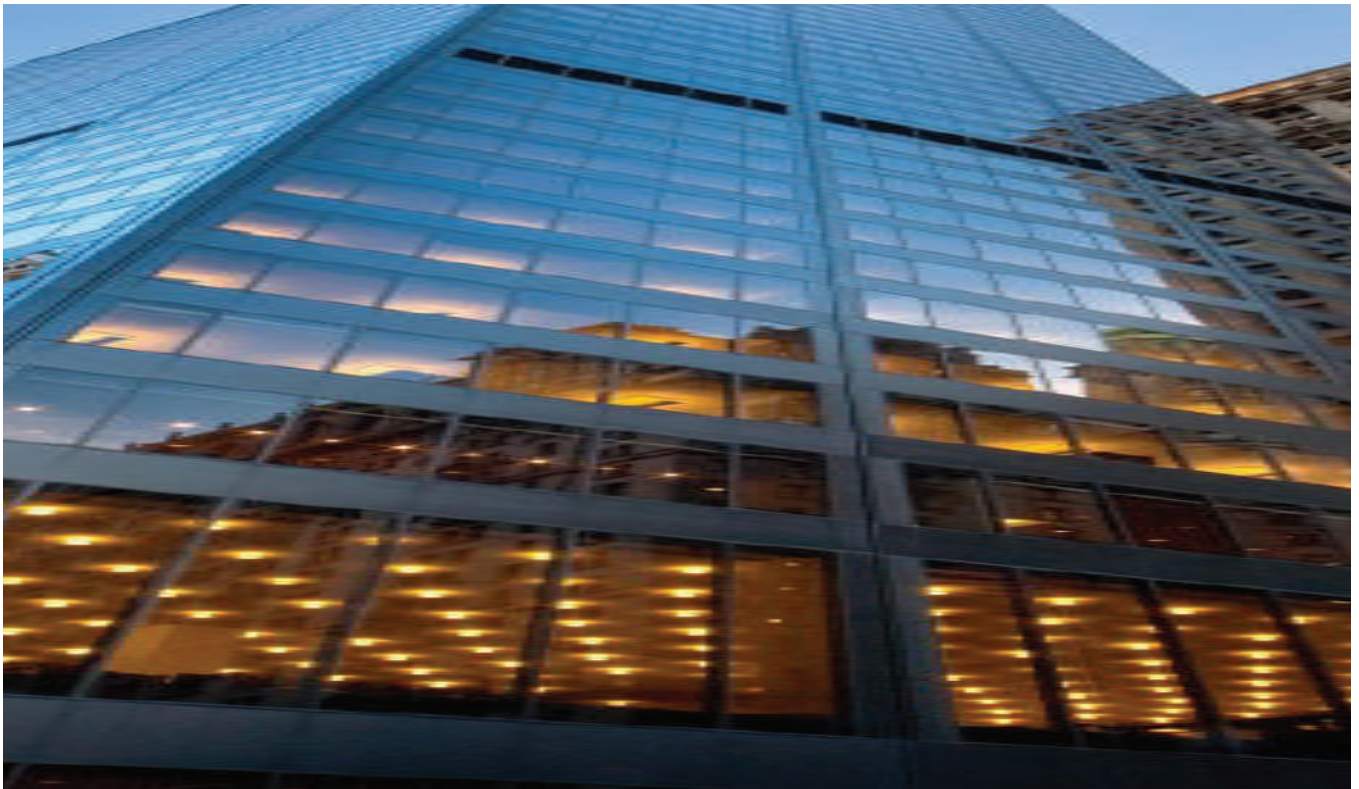
Special Inspections + Materials Testing + Concrete Testing



Who We Are

ETI is an IAS Accredited Class 1 Special Inspections Agency and AASHTO Accredited licensed Concrete Testing Lab with NYC DOB. Our inspection and testing experience spans large and small projects from new buildings, building demos, full interior renovations and additions.

ETI has been performing inspection and testing services in New York City for close to 10 years on multiple projects of size and scope. Our collaborative approach ensures we address areas such as costs, schedule, tracking and accuracy. We have a unique inspection tracking system and web/app-based reporting system that makes our approach one of the most efficient approaches in our industry.



What We Do

Inspections & Laboratory Testing Services



- » Mechanical Systems
- » Heating Systems
- » Chimneys
- » Sprinkler Systems
- » Standpipe Systems
- » Fire Resistant Penetrations and Joints
- » Fire Alarm
- » Flood Zone Compliance
- » Luminous Egress Path Markings
- » Emergency & Standby Power Standards
- » Structural Cold Formed Steel
- » Structural Steel - Welding
- » Structural Steel - Bolting
- » Structural Steel - Details
- » Structural Stability
- » Post Installed Anchors
- » Seismic Isolation Systems

- » Concrete Cast in Place
- » Concrete Pre-cast
- » Concrete Testing
- » Helical Piles
- » Soils/Sub-grade
- » Masonry
- » Deep Foundation Elements
- » Public Assembly Lighting
- » Structural Wood Frame- Wall Panels, Curtain Walls
- » Wood Installation of High Load Diaphragms
- » Wood Installation of Metal Plate Connected Trusses
- » Wood Installation of Pre-fabricated I-Joists
- » Sprayed Fire Resistant Materials
- » Intumescent Coatings
- » Exterior Insulation & Finish Systems (EIFS)
- » Smoke Control Systems
- » Fuel Oil Storage & Fuel-Oil Piping Systems
- » High Pressure Steam Piping
- » Fuel Gas Piping
- » Soil Percolation Test Storm Water System
- » Soil Percolation Test Individual On-Site Private Sewage Disp. (Septic)
- » On Site Storm Water Drain Disp/ Detent Install (Drywall)
- » Individual On-Site Private Sewage Disp install (Septic)
- » Footing & Foundations
- » Energy Code Compliance

Special Inspection Services

Play a crucial role in construction and engineering by ensuring compliance with building codes and standards. Specialized inspectors focus on areas such as structural integrity and safety systems to verify the quality of materials and workmanship. These inspections help prevent failures, enhance safety, and ensure the project's long-term success.

- » Alternative Materials
- » Chimneys and Vents
- » Aluminum Welding Rate A
- » Concrete Cast In Place
- » Concrete Sampling and Testing
- » Concrete Pre Cast
- » Concrete Prestressed
- » Deep Foundations/Piles
- » Exterior Insulation and Finish Systems (EIFS)
- » Emergency & Standby Power Systems (Generators)
- » Excavation – Sheeting, Shoring and Bracing
- » Fire-Resistant Penetrations and Joints (Firestop)



- » Flood Zone Compliance
- » Fuel –Oil Storage and Fuel–Oil Piping Systems
- » Heating Systems
- » Helical Piles Foundation
- » Fuel–Gas Piping (Welding)
- » High–Pressure Steam Piping (Welding)
- » Luminous Egress Path Markings
- » Masonry
- » Mastic and Intumescent Fire–Resistant Coatings

- » Mechanical Systems
- » Mechanical Demolition
- » PVT On–Site Storm Water Disposal Systems & Detention Fac., Insta
- » On–Site Private Sewage Disposal Systems Installation
- » Post Installed Anchors
- » Seismic Isolation Systems
- » Structural Stability–Alterations of Existing Buildings
- » Structural Steel– High Strength Bolting



- » Structural Steel–Details
- » Structural Steel–Welding
- » Subgrade Insp/Soils–Site Prep
- » Subsurface/Soils–Fill Placement In–Place Density
- » Vertical Masonry Elements/Piers
- » Wall Panels, Curtain Walls and Veneers
- » Wood–High–Load Diaphragms
- » Wood – Metal–Plate–Connected Trusses

- » Grout Inspector Piles
- » Underpinning
- » Waterproofing
- » Dry Packing
- » Plumbing
- » Electrical
- » Vapor Barrier
- » Hammer Test
- » Tenant Protection Plan
- » High Temperature Hot Water Piping (Welding)
- » Wood-Seismic Resistance
- » Construction Utilizing CLT or SCL, Type IV
- » Wood – Prefabricated I-Joists
- » Prestressed Rock and Soil Anchors
- » Combustible Exterior Wall Coverings
- » Construction Operations Influencing Adjacent Structures
- » Non Potable Water Systems
- » Exhaust and Vent Systems in Plenums and Ducts
- » Open-Web Steel Joists and Joists Girders
- » Designated Seismic System
- » Seismic Resistance of Access Floors
- » Seismic Resistance of Plumbing, Mechanical, Fuel Gas, and Electric
- » Seismic Resistance of Storage Racks

Progress Inspections

Essential for construction projects to monitor ongoing work and ensure it aligns with project specifications and standards. Conducted at various stages, these inspections verify that each phase of construction meets quality and safety requirements before moving on to the next. This systematic approach helps identify issues early, preventing costly delays and ensuring that the project adheres to its timeline and budget.

- » Footing and Foundation
- » Lowest Floor Elevation
- » Structural Wood Frame
- » Energy Code Compliance
- » Fire Resistance Rated Construction
- » Public Assembly Emergency Lighting
- » Final Directive 14
- » Preliminary



Energy Code Inspections

Vital for ensuring that building constructions adhere to mandated energy efficiency standards. These inspections assess various components such as insulation, HVAC systems, lighting, and envelope tightness to confirm compliance with local or national energy codes. By enforcing these standards, Energy Code inspections help reduce energy consumption, lower utility costs, and contribute to environmental sustainability, ensuring that new buildings are both economically and ecologically responsible.

- » Protection of Foundation Insulation
- » Insulation Placement and R Values
- » Fenestration and Door U Factor Product Ratings
- » Fenestration Air Leakage
- » Fenestration Areas
- » Air Barrier - Visual Inspection
- » Air Barrier - Testing
- » Air Barrier Continuity Plan Testing
- » Fireplaces
- » Ventilation and air distribution system
- » HVAC-R and service water heating equipment
- » HVAC-R and service water heating controls
- » HVAC-R and service water piping design and insulation
- » Duct Leakage Testing Insulation and Design
- » Metering
- » Interior Lighting Power
- » Maintenance Information
- » Permanent Certificate
- » Electric Vehicle Service Equipment Requirements
- » Protection of Exposed Foundation Insulation
- » Shutoff Dampers
- » Lighting in Dwelling Unit
- » Exterior Lighting Power
- » Lighting Controls
- » Electric Motors and Elevators

Lab & Materials Testing:

Rigorous evaluation of building materials to ensure they meet safety, quality, and performance standards. This testing includes analyses of concrete, steel, and other critical materials under controlled lab conditions to determine their strength, durability, and suitability for specific construction applications. By verifying that materials conform to specified criteria, Lab & Materials Testing helps prevent structural failures and enhances the overall integrity and longevity of construction projects.

- » Concrete Coring
- » Concrete Cylinder Testing
- » Soil Proctors
- » Fire Proofing Density Sample Testing
- » Masonry Sample Testing
- » Rebar Scanning
- » Sieve Analysis
- » CMU Unit Testing
- » Asphalt Density
- » Anchor Pull Testing
- » Magnetic Particle Testing
- » Radiographic Testing
- » Rebar Scanning
- » Ultrasonic Testing
- » Liquid Penetrant Testing
- » Floor Flatness Testing

Experience

ETI has been involved in a number of projects ranging from many different industries and a wide range of project sizes. From education facilities, corporate buildings, multi-family housing, industrial and healthcare as well as houses of worship. One of our largest areas of expertise is industrial.



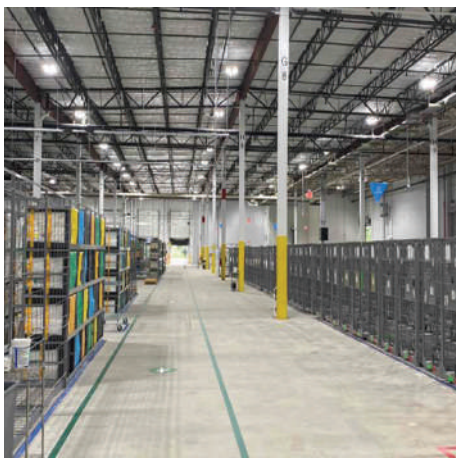
Recently, we performed special inspections and testing services for the construction of a new warehouse and parking facility adjacent to JFK Airport. This 116,725 square foot building includes loading areas along with two-way van ramp access with 36-foot ceilings.

Rendering of Conduit Logistics (adjacent to JFK Airport)

Client Satisfaction

We are proud to say much of our work comes from repeat customers, assuring satisfaction is met by our clients. We have held on-call contracts with the City University of New York (CUNY) for over ten years, Brooklyn Navy Yard and Port Authority of New York New Jersey.

We are also a Certified Small Business with Port Authority and are a pre-approved firm for the School Construction Authority (SCA).



Our Team

ETI is a member of many industry associations (NYSPE, ICC, NICET, ACI...ETC) because we strongly believe in continuing education and we require monthly inhouse seminars to further along the professional development of our inspectors on various topics. These seminars are done both by senior management and outside vendors like GRACE, Hilti and Tyco to name a few.

As part of our IAS accreditation as a class 1 inspections agency, our inspectors are audited annually both in the office and in the field by IAS and AASHTO personnel to ensure they are inspecting according to our quality control procedures and the NYC codes.





Contact Us

If you have a project requiring our services or want to learn more about us.

 www.eti-consultants.com

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