



ENGINEERING WITH VISION

NEW YORK ■ LONG ISLAND ■ FALLS CHURCH, VA ■ DALLAS, TX



Lilker is a multidisciplinary engineering design firm with five integrated practice areas: MEP engineering, technology solutions, energy consultation, architectural lighting design and special inspections.

Founded in 1985, the firm has established a reputation for expertise in the design of building systems for healthcare, institutional, commercial, educational, cultural, recreational, retail and luxury high-rise residential facilities.

Through our five divisions, Lilker offers a complete range of MEP/FP engineering services; IT, audiovisual and security systems solutions; energy audits, energy modeling, commissioning and LEED® consultation; lighting concept, design and specification; and special inspections to assure project compliance with local building codes.



DIVISIONS

LILKER ASSOCIATES CONSULTING ENGINEERS, PC

Lilker Supporting clients at every stage of the building cycle, Lilker offers a range of MEP/FP services, including strategic consulting, master planning, energy studies, system design, building information modeling (BIM), maintenance analysis and construction administration. Our engineers are adept at incorporating innovative technology and management systems into both new and older structures. Architects, facility managers, developers and owners rely on us to troubleshoot and upgrade existing building systems in renovations, change of use and disaster recovery.

TECHNOLOGY SOLUTIONS GROUP

TSG Technology Solutions Group provides design, consulting and project management services, offering clients a single resource for all their technology needs. TSG professionals develop creative, state-of-the-art solutions in cabling, audiovisual and security systems. Our services include an assessment of current IT infrastructure and recommendations for improving energy efficiency; detailed design documents; complete components listing; and construction and installation oversight.

LILKER LIGHTING GROUP

LLG Lilker Lighting Group provides lighting design services from concept through completion for architects, building owners and institutions. We reinforce the architect's design vision while meeting project energy, budget and spatial constraints. Our design staff has diverse and extensive practical experience in commercial, residential, academic, retail, religious, museum and exterior lighting projects and offers imaginative design solutions while balancing factors including initial and operating cost, appearance, and energy efficiency.

LILKER EMO ENERGY SOLUTIONS

EMO Our wholly owned subsidiary, Lilker EMO Energy Solutions, specializes in energy audits, energy modeling, building commissioning and LEED® consultation services. Design expertise is integrated with the latest energy conservation and sustainability practices to enhance resource efficiency at every step of the process for new and existing buildings.

LILKER SPECIAL INSPECTIONS

LSI Special Inspections is an approved inspection agency that provides comprehensive examination of selected materials, installation, and construction in accordance with approved plans, specifications, and local building codes. Our integrated team of engineers works closely with the contractors and project team during the construction process to ensure that all work is being performed at or above the design standard, with special attention to life safety aspects.



St. Barnabas Medical Center



Karpas Pavillion, Beth Israel Medical Center



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Burdette Tomlin Memorial Hospital



Rooftop Unit Inspection

LEADERSHIP



Bruce Lilker, P.E., LEED AP, WELL AP
President



Serge Budzyn, P.E., LEED AP
Executive Vice President



Steven Hammer, P.E., LEED AP
Senior Vice President



David Tanenbaum, P.E., LEED AP
Senior Vice President
Director, Mechanical Department



Michael Leonick, P.E., LEED AP
Vice President
Director, Electrical Department



Louis Licameli, P.E., LEED AP
Vice President
Director, Long Island Office



Kabi Pandey
Vice President
Director, Institutional Projects



Justin Baker, P.E., CEM, LEED AP
Managing Director
Lilker EMO Energy Solutions



John Hassett
Associate Principal
Director, Technology Solutions Group



Jose Rivera, P.E., LEED AP
Associate Principal
Director, Plumbing and Fire Protection



Greg Socrates, CEM
Associate Principal
Director, Infrastructure Systems



David J. Cyr, LC, MIES, IALD
Director, Lilker Lighting Group

All members of our leadership team demonstrate both the highest level of proficiency in their respective fields and the utmost standard of professionalism.



Jenny Medovaya, P.E.
Associate, Director, Healthcare
Mechanical Systems



Robert Trovato, P.E., LEED AP
Senior Associate
Director, Dallas Office



Christopher Dilallo, ICC
Director, Lilker Special Inspections



PROJECT SECTORS

COMMERCIAL

With our roots in the commercial segment, Lilker has completed projects for Fortune 100 companies in many industries, including banking, retail, fashion, and for large mixed-use developments.

CORPORATE INTERIORS

Dow Jones, Ogilvy & Mather, Unicef...these are just a few standout corporate interiors projects Lilker has taken on, providing mechanical and electrical design and cabling infrastructure for boardrooms, data centers, offices and more.

CULTURAL/RECREATION

Lilker has had the opportunity to design systems for a wide variety of high-profile cultural and recreational institutions, each with its own unique set of challenges.

ENERGY

Our wholly owned subsidiary, Lilker EMO Energy Solutions, specializes in energy audits, energy modeling, building commissioning and LEED® consultation services.

EDUCATION

Lilker's engineers are well versed in the education sector's design and construction priorities—high performing, energy efficient buildings that are safe and secure. We've worked with numerous agencies and public owners such as the SCA and CUNY, as well as private and parochial schools.



The BankNote Building



Leviton Global Headquarters



New York Hall of Science



National Academy of Science



PS 254, The Rosa Parks School

PROJECT SECTORS

HEALTHCARE

Our team of 20-plus professionals designs state-of-the-art, regulatory compliant systems for a broad range of facilities, from equipment-intensive diagnostic suites and operating rooms to comprehensive ambulatory surgery centers and outpatient facilities.



Center for Discovery



Frye Flagship Store—Soho

RESIDENTIAL/HOSPITALITY

From large, high rise dwellings to luxury residences, Lilker designs systems that ensure inhabitants comfort and safety, allow them to connect for work and play, and conserve resources.



5 Beekman Hotel and Condominium

RETAIL/SHOWROOMS

Our systems improve the indoor environment and enhance the shopping experience, from signage, air quality, lighting and temperature control to fire and safety protection.

TECHNOLOGY

Technology Solutions Group (TSG) provides design, consulting and project management services, offering clients a single resource for all their technology needs. TSG professionals develop creative, state-of-the-art solutions in cabling, audiovisual and security systems.



Hain Celestial Corporate Headquarters



Boeing TSA Baggage Screening at JFK

TRANSPORTATION

Lilker has significant experience in M&E design for complex air travel facilities, including mission critical systems for terminals, control towers and baggage screening.

SERVICES

Lilker Associates Consulting Engineers, PC

Mechanical Engineering

- Heating
- Air conditioning
- Ventilation and indoor air quality (IAQ)
- Energy conservation and management
- Building management and automation systems
- Central utility plans

Electrical Engineering

- Electrical power distribution
- Lighting sub-metering systems
- Fire alarm systems
- Emergency power and lighting
- Telecommunications
- Voice/data cabling systems
- Cable management
- Uninterruptible power supply and emergency generator systems

Fire Protection/Life Safety

- Sprinkler systems
- Dry-pipe and pre-action systems
- Smoke detection and alarms
- Gaseous suppression systems
- Dry and wet chemical extinguishing systems

Sanitary Engineering

- Domestic water systems
- Storm and sanitary drainage
- Site utilities
- Gas distribution

- Medical gas systems
- Process fluids

Specialty Services

- Mission critical facilities
- Data centers
- Vertical transportation
- Automated control systems
- Site survey and assessment
- Energy studies
- Co-generation plans

BIM

- Autodesk® Revit® Building software
- Construction modeling
- Coordinated models and documentation



SERVICES

Technology Solutions Group

IT Cabling Infrastructure

- Structured voice, data and multimedia cabling infrastructure
- Strategic planning of mission critical facilities
- TIA/EIA & BICSI cabling standards compliance
- Fiber, copper and COAX CATV riser/backbone distribution
- MEP and architectural coordination for technology design
- Bid and construction documentation
- Project management
- Bid analysis/contract negotiation
- Incoming carrier services coordination
- Technology construction management
- WiFi and DAS implementation
- Technology implementation and installation

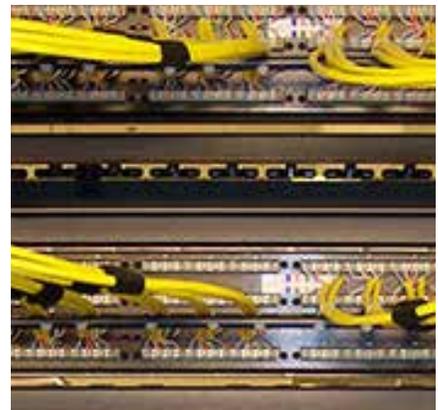


Audiovisual Services

- Audiovisual design integration
- Executive conference & boardroom A/V design
- Video teleconferencing
- Hi-Fidelity sound systems
- Custom A/V closets
- Hardwired and wireless microphone systems
- Touch panel control systems
- Smart boards

Security Systems

- Access control systems
- CCTV with IP, digital/analog hybrid cameras
- Alarm/intrusion detection/theft prevention
- Video management systems integration
- Badging systems and visitor processing
- Video intercom and paging systems



SERVICES

Lilker EMO Energy Solutions

Energy Modeling

- Whole building hourly energy simulations
- LEED energy optimization credits
- Life cycle cost assessments
- Design for Energy Star compliance
- Federal energy performance compliance
- Daylighting simulation
- Measurement and verification (M&V) plans and execution
- Tax deductions (including 179d models) and other incentives

Commissioning

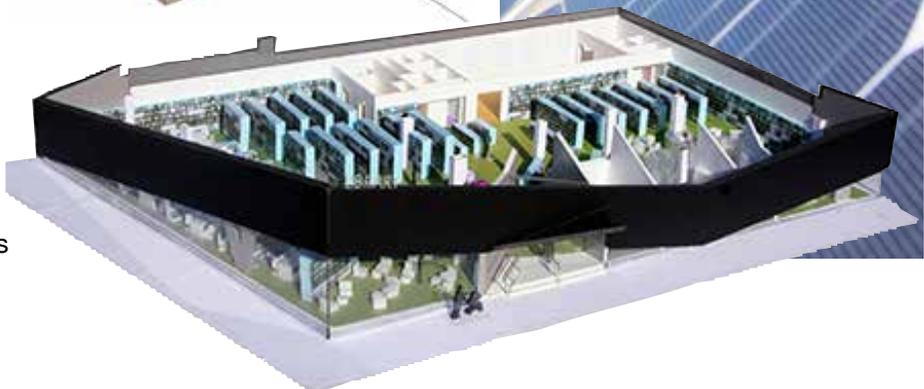
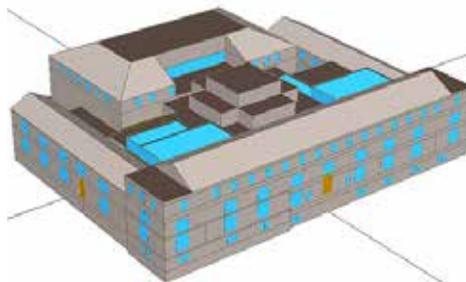
- Whole building commissioning
- Fundamental and enhanced commissioning
- LEED retro commissioning
- Water retro commissioning
- Monitoring-based commissioning
- HVAC design review

LEED® Consultation

- New construction and existing building operation and maintenance
- Feasibility analysis
- LEED charrette facilitation
- Comprehensive LEED program administration Team collaboration coordination
- Credit documentation and review
- Credit calculations and analysis
- Sustainability assessments

Energy Auditing

- Fundamental, comprehensive, and investment grade audits (ASHRAE Levels I, II, III)
- Real time energy monitoring and continuous energy auditing
- Residential energy audits (single- and multi-family)
- HERS rating
- Verification inspections
- Combined heat and power studies
- Energy Star benchmarking and certifications
- Renewable energy evaluation
- Greenhouse gas inventory and reduction audits
- Utility rebates
- Energy efficiency awareness and training presentations



SERVICES

Lilker Lighting Group

Lighting Design

- Electric lighting concepts
- Electric lighting design
- Lighting control strategies
- Daylighting studies
- Lighting computer calculation
- Lighting detail design
- Lighting specification
- Custom luminaire design
- Coordination with energy code
- Coordination with LEED compliance
- Lighting focusing and adjustment
- Peer review



SERVICES

Lilker Special Inspections



Inspection Services

- Mechanical systems
- Heating systems
- Energy code compliance
- Mechanical demolition
- Sprinkler systems
- Standpipe systems
- Smoke control systems
- Chimneys
- Fire-resistant penetration and joints (firestop)
- Fire resistant-rated construction
- Spray fire-resistant materials
- Mastic and intumescent fire-resistant coatings
- Emergency and standby power systems
- Public assembly emergency lighting
- Flood zone compliance
- Luminous egress path markings
- On-site storm water drainage disposal systems
- Detention facilities installation
- Fuel-oil storage and piping systems
- Post-installed anchors
- Equipment use permits
- Final inspections



REPRESENTATIVE CLIENTS

Corporate/Financial

24/7 Real Media
576 Fifth Avenue
Abbott Capital Management
ADP
Altria
Alzheimers Association
American Express
Avon Products
Azoogole Ads
Bad Boy Entertainment
Bank of America
Best Buy
BNP Paribas
Cablevision Systems Corporation
Calvin Klein
CB Richard Ellis
CBS, Inc.
Citigroup
Computer Sciences Corporation
Dow Jones
Dun & Bradstreet
Environmental Defense Fund
Estee Lauder
Ferring Pharmaceuticals
Hain Celestial
Hallmark
International Strategy and Investments
Hudson Rouge
iVillage
Johnson & Johnson
L'Oreal
LePatner & Associates LLC
Leviton Manufacturing
Liz Claiborne
Mastercard Worldwide
McGarry Bowen
McGraw Hill Publications
Metropolitan National Bank
Mitsubishi International
Murex
Open Society Foundation
Ogilvy & Mather
Paul Smith
Perry Capital
Phillip Morris International
Ramius Capital Group
Reed Elsevier
Revlon
Rolex

Sean John Entertainment
Smith Barney
Sojitz America Corporation
SONY Corporation of America
Spotify
Sudler & Hennessey
Sumitomo Corporation of America SyP-
artners
Time Out NY
Titleserve
Towers Perrin
Troika USA
UNICEF
Viking Global
Warner Music Group
Wilson Elser
WPP Group
Young & Rubicam
Zuma
Zwilling J.A. Henckels, Inc.

Developer/Real Estate

233 Broadway Owners, LLC
601 West 26th Street Associates
Acadia Realty Trust
Apthorp LLC
Avalon Bay Communities Inc.
Boymelgreen Developers
Blumenfeld Development Group, Ltd.
Catellus
CB Richard Ellis
Citigroup/Jones Lang LaSalle
Equity One, Inc.
Fordham Renaissance Associates
Fordham Plaza/Chase Enterprises
Forest City Ratner
Gotham construction
Grubb & Ellis
I-Park
Ivy Equities
KATO International LLC
100 Duffy, LLC
Metropolitan Realty Trust
Olympic Tower Associates
Promenade Realty
Related Companies
RXR Realty, LLC
SL Green Realty
Savanna Partners
Studley

Taconic Investment Partners LLC
Tanger Management
The Coughlin Group
The Harch Group
The Trump Organization
The Sapir Organization
Time Equities
Trinity Real Estate
United American Land (UAL)
Vornado
Weiner Realtors
Westbrook Properties
Willow Bend Development
Winthrop Management

Government

City University of New York
Common Ground
Dormitory Authority of the State of NY
Federal Aviation Administration
Federation Employment Guidance
Services
Forest City Ratner
HUD
NY State University Construction Fund
NYC Agency for Child Development
NYC Depart. of Design Construction
NYC Economic Development Corp.
NYC Health and Hospital Corporation
NYC Housing Authority
NYC School Construction Authority
NYS Court of Claims
NYS Office of General Services
NYS Office of Mental Health
NYS Workers Compensation Board
Related Cocpanies
State University of New York (SUNY)
U.S. Department of Homeland Security
U.S. Postal Service

Education

Birch Wathen School
Brooklyn Friends School
Browning School
City University of New York
Convent of the Sacred Heart
Fashion Institute of Technology
Fordham University
Friends Seminary School
Hebrew Academy of Five Towns

REPRESENTATIVE CLIENTS

Hebrew Academy of Long Beach
New York City School Construction Authority
New York Institute of Technology
New York University
Pace University
South Shore Yeshiva
St. David's School
State University Construction Fund
State University of New York
U.S. Military Academy
Weill Cornell Medical College
Yeshivat Ateret Torah

Healthcare

Beth Israel Medical Center
Cape Regional Medical Center
Catholic Healthcare Services
Friends Of The Birthing Center
Greenwich Radiology Center
NYC Health and Hospital Corporation
New York Foundling Hospital
North Shore Long Island Jewish Health Systems
Philips Research MRI Facility
Ronald McDonald House
SDTC/Center for Discovery
Sephardic Nursing and Rehabilitation Center
St. Barnabas Hospital

Cultural/Recreation

Army Navy Country Club
Boathouse at Prospect Park
Creek Club Casino
Fenway Country Club
Gagosian Gallery
GMHC
Gummer Studio
Hudson Guild
Intrepid Air and Space Museum
Irish Hunger Memorial
Kew Gardens Hills Library
Liberty National Golf Club
Mark Morris Dance Studio
Museum at Ellis Island
New York Hall of Science
Newark Public Library
Rockwell Museum of Western Art
Sephardic Community Center

Studio Museum of Harlem
The Fire Zone Museum
The Whitney Museum of American Art
Tisch School of the Performing Arts
Westchester Children's Museum
Lincoln Synagogue
Sundaram Tagore Gallery
Temple Emanuel
Trinity Church
United Synagogue of Conservative Judaism
Young Israel of Woodmere

Retail/Showrooms

American Eagle Outfitters
Anne Klein Company
Audemars Piquet
Best Buy
Calvin Klein
Cole Haan
Comptoir des Cotonniers
DKNY
Gianni Versace
Guess
Gund Incorporated
H. Stern
Hallmark
Helmut Lang
Hoya Crystal Gallery
Hugo Boss
Issey Miyake
J. Crew
Jaeger International
Judith Lieber
Liz Claiborne
Louis Vuitton/Loewe
Madewell
Max Mara
McGregor Corporation
MOMA Design Stores
NIKE
Paul Smith
Pottery Barn
REI
Sears
Shiseido
Tanger Outlets
The Home Depot
TJ Maxx
Tommy Hilfiger

Top Shop
UNIGLO
Versace
Wilkahn Showroom
Williams Sonoma

Law Firms

Boies Schiller & Flexner
Brill & Meisel
Chapman & Cutler LLP
Eaton & Van Winkle LLP
Epstein, Becker & Green Pc
Franklin, Weinreb, Rudell & Vasallo PC
Freshfields Bruckhaus Derringer
Gogick Byrne & O'Neill LLP
Jankoff & Gabe P.C.
Littler Mendelson
McCallion & Associates LLP
Otterbourg, Steindler, Houston & Rosen
Paul, Hastings, Janofsky & Walker
Platzer, Swergold, Karlin, Levine, Goldberg & Jaslow, LLP
Steptoe & Johnson LLP
Wilson Elser

Residential/Hospitality

Equity Residential
Tessler Development
United American Land, LLC
Hyatt
The Angel Group
Madison Equities
DASNY
Boymelgreen Developers
CGS Developers
A.I. Developers
Gotham Organization
Rieder Holdings
Silverstone Property Group
Trump Organization
New York University

Transportation

Boeing
British Airways
Delta Airlines
Federal Aviation Administration
Port Authority of NY & NJ
Transportation Security Administration



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