

Douglas S. Erickson, FASHE, CHFM, HFDP, CHC

CEO – Facility Guidelines Institute

Senior Advisor Healthcare, Specified Technologies, Inc.



Doug provides expertise in healthcare facilities planning, design, and construction with more than 46 years of industry experience, including experience as a healthcare facility manager, consultant, an authority having jurisdiction, and the principal advocate representing the American Hospital Association (AHA)/American Society for Healthcare Engineering (ASHE) membership on national codes, standards, and built environment committees.

Doug has represented AHA/ASHE membership on over 15 NFPA Technical Committees in the course of the past 26 years and is the past chair of NFPA 99 (*Health Care Facilities Code*) and NFPA 110 (*Emergency Power Supply Systems*.) Doug is also the past chair of the Clinical Subcommittee of ASHRAE Standard 170 (*Ventilation in Healthcare Facilities*).

Doug currently serves as the CEO of Facility Guidelines Institute (FGI), a not-for-profit organization responsible for producing the Guidelines for Design and Construction of Health Care Facilities and whose mission is to produce consensus-based guidelines in healthcare. He is a founding board member of FGI and has had a leadership position with the Guidelines since 1985 and a committee member since 1978. Doug is currently chairman emeritus of the 2022 edition and was the chair of the 2018, 2014 and 2010 editions and vice-chair of the 1987, 1992/92, 1996/97, 2001 and 2006 editions.

Doug is also the senior health care facility advisor to Specified Technologies, Inc., the premier firestop authority, providing consultation and strategic leadership on the health care built environment.

Doug earned his Bachelor of Science in aerospace engineering at the University of Illinois/Champaign-Urbana and is the past Deputy Executive Director of ASHE; Director of Planning, Design and Construction for the AHA; and the Director of Engineering for the Joint Commission in Chicago, IL. He is a featured speaker at national and local conferences on health care facility codes, standards, guidelines, and environmental infection control. Doug was also selected for ASHE's highest membership award in 2013 – The Crystal Eagle.

Charles S. Maggio, AIA, NCARB, ASHE

Managing Director, New York, NY



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Clients Represented

- Brooklyn Hospital Center
- Catholic Health Services of Long Island – Good Samaritan Hospital
- Cooper University Health
- Hackensack-Meridian Health (Hackensack UMC)
- Memorial Sloan Kettering Cancer Center
- Mercy Hospital - Eastern Maine Health System
- Montefiore Health System
- Mt. Sinai Health System
- Mt. Sinai South Nassau (SNCH)
- Northwell Health System (North Shore LIJ)
- Norwalk Hospital
- NY Presbyterian Hospital
- NYP Brooklyn Methodist Hospital
- St. John's Episcopal Hospital
- Terrence Cardinal Cooke

Professional Background

Charles has over 30 years of experience having worked as a practicing architect, hospital facilities executive, project manager and consultant. His architectural background and consulting expertise allows him to evaluate challenges and develop strategic solutions that position clients for success in today's dynamic healthcare market. From his office in New York City, he leads CBRE Healthcare's northeast team providing hospitals and health systems in the region with project delivery solutions using an integrated platform of services. He also provides executive oversight for clients with complex projects. He is also a steering committee member of the Facility Guidelines Institute (FGI).

Relevant Experience

- New York Presbyterian Brooklyn Methodist Hospital, Brooklyn, NY
 - Center for Community Health, 391,000 SF Ambulatory Care Center
 - \$452.5 Million program budget
- Mt. Sinai South Nassau (South Nassau Communities Hospital), Oceanside, NY
 - System-wide program management
 - \$500 Million+ capital budget including \$350 Million FEMA Projects
- Northwell Health (North Shore - Long Island LIJ), Manhasset, NY
 - Lenox Hill Healthplex (1st FSED in NYS)
 - \$129 Million Program Budget, 141,000 SF
 - Zucker Hillside Psychiatric Hospital
 - \$120 Million Program Budget
 - Center for Advanced Medicine
 - \$100 Million Program Budget
 - Katz Women's Hospital
 - \$265 Million Program Budget
- New York Presbyterian Hospital, New York, NY
 - Capital Infrastructure Program
 - \$575 Million Budget, 10 year program
 - Dept. of Design & Construction
 - Organization Assessment
- Montefiore Health System, Bronx, NY
 - Hutch Metro Ambulatory Care Center
 - \$152 Million Fit-out Budget, 280,000 SF
 - FHA 3 Projects – Children's Hospital
 - 10 story, 156,000 SF, 106 beds, \$116M
 - FHA 5 Modernization Projects
 - 26 Projects, \$191M
- Memorial Sloan-Kettering Cancer Center, New York, NY
 - Small Project Program, 140+ projects per year
- Westchester Medical Center, Valhalla, NY
 - Ambulatory Care Pavilion & Hospital Expansion - 280,000 SF, \$230M budget
 - HealthAlliance, Kingston, NY – 106,500 SF expansion, \$92.9M budget (grant)

- Bon Secours, Port Jervis, NY – 43,500 SF modernization, \$43.5 M budget (grant)
- Mount Sinai Health System, New York, NY
 - Beth Israel (Petrie Campus) Replacement Hospital – Feasibility Study
 - Mt. Sinai West Surgical Platform and Infrastructure Projects
 - \$148 million project budget, 6 phases

Education / Registrations

- City University of New York – City College, Bachelor of Architecture
- City University of New York – City College, Bachelor of Science, Architecture
- Registered Architect, New York & New Jersey
- National Council of Architectural Registration Boards (NCARB) certified

Professional Affiliations

- American Institute of Architects (AIA)
 - Academy of Architecture for Health (AAH)
 - AIA Contract Review Committee
- Facility Guidelines Institute (FGI)
 - Health Guidelines Revision Committee 2014 & 2018 cycles
 - Steering Committee & Benefit Cost Committee Chair 2022 cycle
- New York State Department of Health Construction Standards Advisory Group
- American Society of Healthcare Engineers (ASHE)
- New York Building Congress – Healthcare Committee (past Vice Chair)
- American Council of Engineering Companies (ACEC) – Excellence Award Judge 2017

Steven Friedman, PE, CHFM, HFDP, LEED AP

Director of Facilities Engineering- Design + Construction
Memorial Sloan Kettering Cancer Center
New York, New York



Steve is a senior industry leader, bringing more than 32 years of engineering design, infrastructure and construction experience to the healthcare sector. His focus is on implementing proper healthcare design standards, sustainable resilient facility modeling and energy efficient construction delivery to ensure patient safety and comfort. Steve manages the engineering department of facilities design + construction at Memorial Sloan Kettering Cancer Center, overseeing a multimillion-dollar capital program for its five million plus square feet of New York City hospital, research and clinical laboratories as well as New York/New Jersey regional healthcare real estate.

He is a Certified Healthcare Facility Manager, recognized by the American Society for Healthcare Engineering (ASHE) recognized for knowledge of healthcare planning, design & construction, operations, finance and facility code compliance. Also certified as Healthcare Facility Design Professional, recognized by the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) for his mastery of the technical knowledge covering design and operation of healthcare facilities.

Nationally, with a continuous dedication to engineering & healthcare, Steven is an active member and chair of code interpretations for ASHRAE Standard 170 committee (Ventilation in Healthcare Facilities), a technical committee member of ASHRAE TC 9.6 (Healthcare Facilities Handbook), corresponding member of ASHRAE Standard 189.3 committee (Sustainable High-Performance Healthcare Facilities) and member of the FGI Guidelines Healthcare Guidelines Revision Committee.

Steven is a licensed professional engineer, a member of the United States Green Building Council (USGBC), American Society of Healthcare Engineering (ASHE) and the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE).