

# WALTER BRONER, RA

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**Experienced, Knowledgeable Leader**  
Foreign Languages: Polish, Russian

## CAREER SUMMARY AND ACHIEVEMENTS:

Over my 40 years in the profession, I have gained expertise in a wide range of building types, concentrating on designing complex Science and Technology buildings. I have also been involved in planning and executing a variety of medical equipment and healthcare education projects. Specific areas of expertise include laboratory and medical equipment planning and design, and many technical areas of architectural practice, including code compliance research, product evaluation, production of construction drawings, and preparing Project Manuals.

At various firms I've worked at, mentoring activities for junior staff have included internal presentations on topics of codes, practice process and deliverables. At Hillier (before it was purchased by RMJM) I led several Technical Quality Assurance initiatives, including establishment, maintenance and improvement of the firm's electronic Details Library and the rewriting of the Working Drawings Standards procedure manual. I excel in finding constructible solutions to all manner of technical and design challenges.

I can bring great value to any firm or organization, while functioning in any number of roles. A versatile team player, I can contribute to many areas of practice by wedding strategic thinking with detailed knowledge of everyday tactics needed to achieve design results and business profitability.

## PROFESSIONAL EXPERIENCE:

- SpecLink (RIB-BSD)** 01/2017 – 10/2022 Architectural Content Designer  
*Responsibilities: Creation of new master-guide specification section, specializing in Divisions 00, 01, and 08, as well as sections for documenting sustainable design, historic preservation, laboratory and medical equipment. QC/Peer review of other specifiers work and Process Improvement duties. QC review of the Canadian version of SpecLink content that included corrections and coordination of nearly 700 individual sections. Preparation of proprietary specification sections with robust pre-editing functionality. These sections have included content for acoustical ceilings, overhead rapid coiling doors, and door hardware for several major building product manufacturers.*
- LSY Architects (LSY)** 07/2010 – 06/2011, 02/2013 – 12/2016 Senior Architect  
*Responsibilities: Project management, QA/QC Reviews, Medical and Laboratory planning and design, improvement of Revit deployment in the firm, specifications writing, construction problems troubleshooting*
- Lord, Aeck & Sargent (LAS)** 01/2007 – 12/2009 Principal, Science Studio  
*Responsibilities: Co-leadership of Studio, business development (proposal preparation and presentations, visits with potential clients), staff mentoring and internal technical presentations, Principal-in-Charge for multiple projects (client presentations, setting of fees and determining project plans and staffing, responsibility for financial results), lead planner on multiple projects, QA/QC reviews of major projects, strategic and space utilization planning for University of Houston College of Natural Sciences and Mathematics, specification writing, CADD/BIM transition support (developed contracts/scope of work alignment recommendations)*
- Hillier Architecture (now RMJM)** 09/1989 – 12/2006 Associate Principal, Science Studio  
*Responsibilities: Primary planner and laboratory designer for multiple STEM projects, business development (client presentations), project manager and/or project architect for multiple projects (determining project plans and staffing), specification writing, developed and supervised maintenance of firm-wide CADD library, member of the firm's Technical Quality Assurance Committee, conducted due-diligence surveys/prepared reports, participant in planning and strategic planning teams, construction document set organization and detailing, submittal reviews and field observation visits/reports, code compliance research and documentation*
- Kehrt, Shatken Sharon (KSS)** 12/1986 – 08/1989 Project Architect/Manager  
*Responsibilities: Project architect/and or project manager, construction document set organization and detailing, code compliance research*
- Johnson Jones/Short & Ford (JJ)** 05/1985 – 11/1986 Project Architect  
*Responsibilities: Project architect for exterior elements of NJ State House renovation project (developed historically accurate and/or consistent detailing, coordinated scope with engineering disciplines)*
- Hellmuth, Obata & Kassabaum, NYC (HOK)** 08/1983 – 04/1985 Project Architect  
*Responsibilities: Project architect for various projects, detailing, space planning, code compliance research*
- Richard Dattner, Architect (Dattner)** 09/1979 – 07/1983 Staff Architect  
*Responsibilities: Project architect for small projects (variety of building types and conditions), detailing, code compliance research, submittal reviews and field observation visits/reports, model making, preparation of presentations*

**REGISTRATIONS AND PROFESSIONAL AFFILIATIONS:**

Georgia (since 2009) First licensed in New Jersey  
in 1982

CSI member 1994-2009, President of Princeton  
Chapter 1997-2001

LEED AP (2.2) July 2007

**PRESENTATIONS:**

New and Retrofit Laboratories – Impact of Codes and Regulations, Labwise Laboratory Design 2007 Conference  
HVAC Systems & Laboratory Design, Eagleson Institute, Spring 2007  
Internal presentations for enhancement of staff's Excel software and specifications skills.

**COMPUTER SKILLS:**

General: Word; Excel; Powerpoint, MS Project, InDesign, various image-processing and web-authoring tools.  
CADD: Revit (currently 2023), simple Dynamo scripting, some AutoCad.

**EDUCATION:**

Bachelor of Architecture Degree, Pratt Institute, Brooklyn, New York

## DETAILED MAJOR PROFESSIONAL ACCOMPLISHMENTS

### *Healthcare Science-Technology/ Projects Clients (Higher Education and Commercial)*

**KEY/RECENT PROJECTS****Medstar Georgetown University Hospital**, Washington, DC

(LSY) Project Manager and principal planner for several major medical equipment replacement projects, including a CT Scanner, Angiography unit, and Breast Tomography installation.

**NIH**, Building 10 Linear Acceleration replacement, Bethesda, MD

(LSY) Project Manager and principal planner for linear accelerator unit project for the National Cancer Institute. Project included alteration of existing control and computer server rooms.

**Virginia Commonwealth University**, Animal Surgery Suite, Richmond, VA

(LSY) Project Manager and principal planner for several major medical equipment projects, including a CT Scanner, Angiography unit, and Breast Tomography installation.

**NIH Building 29B Renovation Design** for NIAID and NICHD laboratories, Bethesda, MD

(LSY) Project Manager and principal planner for a 100,000 sq. ft existing complex intended to be renovated on a limited budget. Design followed preparation of two separate fit-out options and three scope/budget scenarios. Also led teams documenting a number of small-scale, technically challenging lab and vivarium projects on the Bethesda Campus.

**FDA NMR Suite**, White Oak, MD

(LSY) Redesign and construction of a four NMR spectrometer suite to accommodate cryo-probes and helium recovery systems, in addition to planning for a 1.2 GHz future magnet.

**Children's National Medical Center Clinical Laboratories Renovation Study**, Washington, DC

(LSY) Planning and Cost estimating study for a phased renovation at a 24/7 laboratory at a major pediatric medical center. Completed in a span of only one month, it provided the client with timely guidance on budgeting for capital renovations of an aging facility.

**Johns Hopkins Bloomberg School of Public Health North Wing Renovation**, Baltimore, MD.

(LSY) Project Manager for a nearly complete renovation of a 50-year-old 60,000 sq. ft research building partially funded by an NIH ARRA Grant. Supervised a team of architects, designed exterior components of project and guided it through several NIH Design compliance reviews. Project is on track to achieve USGBC LEED CI Gold-level certification.

**Georgia Health Sciences University Cancer Research Center**, Augusta, GA

(LAS) Key Presenter at interview to win the project. Guided development of winning design scheme. As Senior Laboratory Planner for a 45,000 sq. ft. fit-out of two floors of the existing building shell effected multiple improvements to the facility.

**National University of Singapore Yong Loo Lin School of Medicine**, Singapore

(Hillier) In addition to leading the firm's technical team for several Singapore projects, as Senior Project Architect for a three-building complex, 600,000 sq. ft. Medical and Nursing School, Vivarium (received Singapore version of Gold-level sustainable building certification), Research Tower successfully translated US expertise into facilities constructible in Singapore's tropical climate and regulatory environment.

**Duke University and National University of Singapore Graduate Medical School**, Singapore

(Hillier) Collaborating closely with Singapore design partner CPG, as Programmer and Lab Planner for a 200,000 sq. ft. Medical School Building (using custom programming database tool) guided the development of the laboratory and vivarium spaces.

**University of Puerto Rico Molecular Sciences Complex, San Juan, PR**

**(Hillier)** Key achievements on this 155,000 sq. ft. multi-disciplinary research laboratory building, functioning as Senior Laboratory Planner, included successfully guiding the project through NIH approvals, program revisions, coordination with consultants and many budget/scope adjustments.

**Rohm and Haas Research and Development Center, Shanghai, China**

**(Hillier)** For this fast-moving project (a 200,000 sq. ft. specialty research facility, including plastics and leather finishing applications) with a large variety of research spaces, functioned as Senior Laboratory Planner, resolving multiple technical issues including vibration-control, and multiple issue related to local code compliance/integration with US safety standards.

**Bristol-Myers Squibb Chemical Development Building (Building 50), North Brunswick, NJ**

**(Hillier)** Acting as executive Project Architect and Laboratory Planner for a 140,000 sq. ft. pharmaceutical process engineering research laboratory building, guided design and construction of this complex facility from inception through construction.

**Additional SCIENCE AND TECHNOLOGY Projects****Alexandria Real Estate Equities East River Science Park Biomedical Campus, New York, NY**

**(Hillier)** For the Privately financed campus of buildings for biomedical technology and translational research, as Senior Laboratory Planner for this 600,000 sq. ft. complex of leased laboratory tenant areas with central support and amenity spaces, developed model space layouts and lab planning standards.

**Yale University Science Hill Master Plan – 1994-2000 New Haven, CT**

**(Hillier)** As one of the Planners, concentrated on documentation and evaluation of existing facilities on Science Hill for continued viability for planned re-purposing. This was a key part of Master Plan analysis for all science buildings at the University.

**Merial Limited Research Center Improvements, North Brunswick, NJ**

**(Hillier)** As client's Program Manager for a cGMP Suite and miscellaneous laboratory upgrades in an existing 65,000 sq. ft. research facility, helped the client to prioritize lab upgrade requests and organize them into biddable construction project packages.

**Aventis-Pasteur Research-To-Launch Facility, Swiftwater, PA**

**(Hillier)** As Laboratory Planner for a 60,000 sq. ft. pharmaceutical discovery and vaccine development research laboratory building developed detailed program, plans and details. Follow-up included review of shop drawings and field visits.

**Temple University Research Building Renovations, Philadelphia, PA**

**(Hillier)** Project Architect for a 15,000 sq. ft. Microbiology and Immunology research laboratory renovations, including a BSL-3 suite.

**Princeton University (Princeton Materials Institute, Bowen Hall) Princeton, NJ**

**(Hillier)** Project Architect for a 45,000 sq. ft. laboratory for research of materials' structures.

**The Cancer Institute of New Jersey Research and Clinical Center, New Brunswick, NJ**

**(Hillier)** Laboratory Planner and Designer for a 75,000 sq. ft. combination biomedical research and outpatient-clinic facility.

**ASTRA-ZENECA Research Complex Renovations, Fairfax Site, Wilmington DE**

**(Hillier)** Project Architect for a 3,000 sq. ft. NHP holding room facility alterations, and 25,000 sq. ft. biomedical research laboratory renovations.

**Educational/Recreational Projects Clients****Columbia University Baker Field Stadium, New York, NY**

**(Dattner)** Project technical coordinator and detailer for a 10,000-seat grandstand facility at a new football stadium.

**Peddie School Science Building, Hightstown, NJ**

**(Hillier)** Science Curriculum classroom/lab planner for 35,000 sq. ft. private school instructional building.

**The College of New Jersey Music Building, Ewing, NJ**

**(Hillier)** Project Architect for Music Building, a 50,000 sq. ft. music education and performance facility. Planning and detailing of main administrative building and of a student union.

**Offices/Commercial Projects Clients****244 Sheffield Street Building Speculative Office Building, Mountainside, NJ**

**(KSS)** Project Architect for an addition to a major renovation/upgrade of an existing 20,000 sq. ft. industrial structure into commercial office space.

**Estee Lauder Company Automated Storage/Retrieval Warehouse and Offices, Melville, NY**

**(Dattner)** Staff Architect collaborating with senior architects on a 120,000 sq. ft. high-tech warehouse facility.

**Libraries Projects Clients****New York City Public Library Eastchester Branch (the Bronx), New York, NY**

**(Dattner)** Staff Architect, collaborating with senior architects on a 20,000 sq. ft. local library.

**Princeton University, Firestone Library Rare Book collection, Princeton NJ**

**(KSS)** Project Architect for HVAC upgrades (and de-contamination) of historical collections area of the library complex.

**Other Projects and Significant Wins**

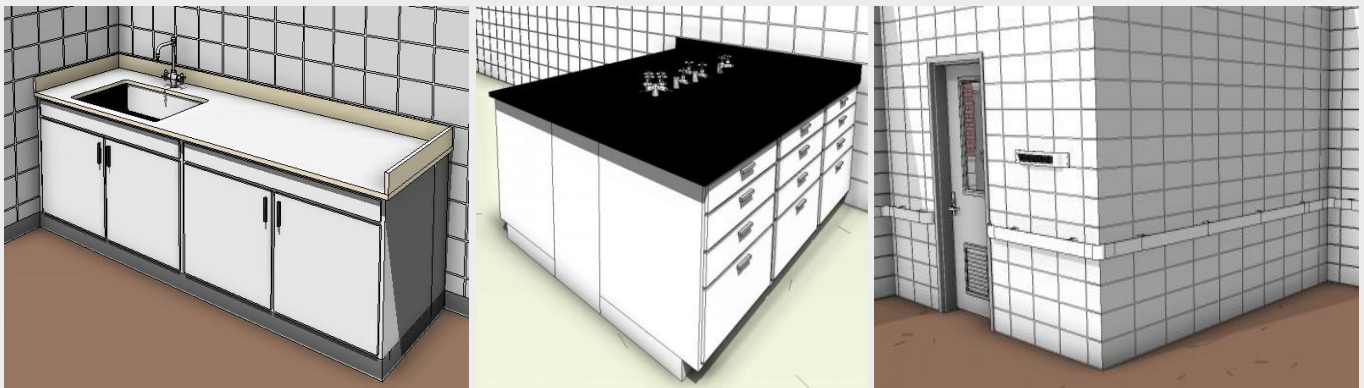
Various Vivarium facility projects (LSY), NJ State House Renovations (JJ), South Hills Mall Addition (HOK), Mercer County Community College Art Gallery (KSS), Pfizer Corporate Information Technology Center and Cage Wash Facility Renovations (Hillier), Industrial parks projects in NJ (KSS). Instrumental in helping Hillier Architecture (now RMJM) win the Novartis Research Center, and Washington University School of Engineering Brauer Hall projects.

**Specifications Content Design**

Suite of Specifications for LEED v4.0, LEED v4.1, Green Globes v.2018, WELL 1.0, WELL 2.0. Collaborated with major manufacturers in creation of proprietary sections. Clients have included USG, Rytec, Rite-Hite, and Saint-Gobain.

**BIM Content Creation**

Several useful Revit families have been placed on the [Revit City](http://Revit City) website and are enjoying great popularity.



**Various Projects**

