

WALTER BRONER, RA LEED AP

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Experienced, Knowledgeable Leader
Foreign Languages: Polish, Russian

CAREER SUMMARY AND ACHIEVEMENTS:

In my many years of experience in the profession, I have excelled in all aspects of architectural practice, from programming through design to construction contract administration. I have gained expertise in a wide range of building types, primarily involving complex Science and Technology buildings, including: academic teaching and research laboratories; pharmaceutical and diagnostic laboratories; animal facilities; as well as a variety of commercial, institutional, and recreational projects. Specific areas of expertise include master planning, laboratory and vivarium planning and design, technical coordination, building code review, and program and project management. My involvement in Sci-Tech marketing for LAS and Hillier was instrumental in winning many significant and prestigious projects with world-class institutional and corporate clients.

At LAS, I helped to spearhead the on-going transition to BIM paradigm, developed new programming database tools and sought to open the firm to marketing new types of services (Sustainable Campus Master-planning and Implementation). Mentoring of junior staff activities 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 constructability solutions to all manner of technical and design challenges.

I can bring great value to any firm or organization, while functioning in a leadership position, by providing design, management, technical guidance and mentoring on an office-wide basis for a variety of projects, with special emphasis on maintaining design excellence and promotion of integrated project development and delivery processes. I can also lead project development/marketing of design/build projects in Europe and the Far East. Willing to relocate for the right position.

PROFESSIONAL EXPERIENCE:

Broner Architecture	2010 – Present	Principal
Lord, Aeck & Sargent (LAS)	2007 – 2009	Principal, Science Studio
Hillier Architecture (now RMJM)	1989 – 2006	Associate Principal, Science Studio
Kehrt, Shatken Sharon (KSS)	1986 – 1989	Project Architect/Manager
Johnson Jones/Short & Ford	1985 – 1986	Project Architect
Hellmuth, Obata & Kassabaum, NYC	1983 – 1985	Project Architect
Richard Dattner, Architect	1979 – 1983	Staff Architect

REGISTRATIONS AND PROFESSIONAL AFFILIATIONS:

New Jersey (since 1982), Georgia (since 2009)
LEED (2.2) July 2007

Joined CSI in 1994, President of Princeton Chapter 1997-2001
I²SL – Design Guide Committee member

PUBLICATIONS:

“Demystifying Fluid-Applied Flooring Selection For Vivaria”, ALN magazine, *September 2007*
<http://www.alnmag.com/article/demystifying-fluid-applied-flooring-selection-vivaria?page=0.0>
“Coordinating IVC Racks With Building's HVAC Systems: Ships Passing In The Night?”, ALN Magazine, *July/August 2008*
<http://www.alnmag.com/article/coordinating-ivc-racks-buildings-hvac-systems-ships-passing-night?page=0.0>

PRESENTATIONS:

New and Retrofit Laboratories – Impact of Codes and Regulations, Labwise Laboratory Design 2007 Conference
HVAC Systems & Laboratory Design, Eagleson Institute, Spring 2007

COMPUTER SKILLS (I am equally comfortable on PCs and Macs):

General: Word; Excel; Access; MS Project, InDesign, various image-processing and web-authoring tools.
CADD: Revit, MicroGDS.

EDUCATION:

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

DETAILED MAJOR PROFESSIONAL ACCOMPLISHMENTS***Science-Technology/Healthcare Projects Clients (Higher Education and Commercial)*****KEY/RECENT PROJECTS****Johns Hopkins Bloomberg School of Public Health** North Wing Renovation, Baltimore, MD.

(Consultant to LSY Architects) 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.

NIH ARRA Grant Project Reviews – 2010-2011

(Consultant to LSY Architects) Conducted peer reviews of over twenty projects funded by NIH ARRA Grants. Reviewed for compliance with NIH Design Requirements Manual, good laboratory design practices, sustainable design elements, building code compliance, general constructability issues.

University of Houston Space Utilization and Implementation Plan (short and long-term), Houston, TX

Headed the team to win the commission. Established great working relationship with Administration and Faculty. Led the project as Principal-in-Charge and Senior Planner for the College of Natural Sciences and Mathematics, a 600,000 sq. ft. reorganization study. The Study was followed up with winning several commissions for associated new and renovation projects with total worth of \$56M.

NIH ARRA Grant Applications – 2009 Clients Included Emory University, University of Alabama Birmingham, Morehouse School of Medicine

Prepared application budget and narrative templates that enabled multiple teams (altogether nearly thirty projects were executed in about five months) to compile written and graphic contents rapidly and consistent quality. Senior Laboratory Planner for concept designs for the above Clients. Two projects personally guided through the application process received maximum Grants they were eligible for.

Georgia Health Sciences University Cancer Research Center, Augusta, GA

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 existing building shell effected multiple improvements to the facility.

University of Louisville Louisville, KY

As Principal-in-Charge won and led two projects: An Autopsy Suite Renovations for the School of Medicine (9,000 sq. ft.) and an academic building renovation for School of Engineering (40,000 sq. ft.). The latter received USGBC LEED NC Gold-level certification.

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

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

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

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.

Merial Ltd. SPF Hatch and Hold Facility for Avian Research. Colbert, GA

Prepared winning proposal for this mission-critical research support facility. As Principal-in-Charge for a 3,500 sq. ft. "barrier" facility project involving pressure-cascade spaces, developed a solution that fit the client's tight budget.

Pentagon Force Protection Agency Hazardous Material Response Facility for the Pentagon, Arlington, VA

Led the A/E team that prepared the winning Design/Build proposal working with The Christman Company. Acted as Senior Laboratory Planner for a 26,000 sq. ft. new facility and designed an improved BSL-3 Lab Suite.

Rohm and Haas Research and Development Center, Shanghai, China

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

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

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

As one of the Planners, concentrated on documentation and evaluation of existing facilities on Science Hill for continued viability for intended 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

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

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

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

Princeton University Materials Science Research Laboratory (Princeton Materials Institute, Bowen Hall)
Princeton, NJ

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

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

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

Boehringer Ingelheim Pharmaceuticals, Inc. SPF Rodent Animal Facility Ridgebury, CT

Project Architect for a 10,000 sq. ft. renovation of an existing animal facility to create a barrier animal holding suite.

Suffolk County Government Forensic Sciences Laboratories, Hauppauge, NY

Project Architect for a 90,000 sq. ft. multi-purpose laboratory facility, including environmental testing, drug testing, criminal investigation and Medical Examiner's labs.

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

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

Peddie School Science Building, Hightstown, NJ

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

The College of New Jersey Music Building, Ewing, NJ

Project Architect for Music Building, a 50,000 sq. ft. music education and performance facility.

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

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

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

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

Princeton University, Firestone Library Rare Book collection, Princeton NJ

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

Other Projects and Significant Wins

NJ State House Renovations, South Hills Mall Addition, Mercer County Community College Art Gallery, Pfizer Corporate Information Technology Center and Cage Wash Facility Renovations, Industrial parks projects in NJ.

Instrumental in helping Hillier Architecture (now RMJM) win the Novartis Research Center, Washington University School of Engineering Brauer Hall and Louisiana Cancer Research Center projects.