

Richard C. Bates, Town Manager
Rockport Town Office
101 Main Street
Rockport, ME 04856

February 08, 2016

RE: Request for Qualifications, Architectural design services, new Rockport Public Library.

Richard,

Canal 5 Studio (C5S) is pleased to submit our qualifications for design services for the new Rockport Public Library.

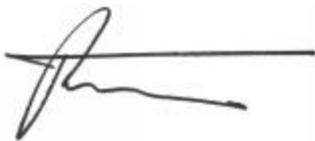
We are a small, agile, research-based firm whose management and production capacity belies our size. We are five partners (four architects and and interior designer) who work closely as a team on every project we undertake. A design-focused firm, we approach each project as an individual brief to be uniquely explored and resolved. We are young as a firm, having establishing our partnership in 2011, but have been practicing together as a team for many years before that.

We work regularly with cultural, commercial, and institutional clients, such as Bates College, MaineHealth, and the John T. Gorman Foundation. We have working relationships with many engineering and design consultants, and often team with construction managers to help guide cost and constructability. We also team with a few selected partners in key specialty areas as appropriate to the project.

At C5S we believe that the spaces that people inhabit influence them physically and spiritually in ways both subtle and profound, and that value is created through designs that enhance quality of life. We are experienced in the design of exceptional spaces and have proven a capable partner for the realization of memorable architecture.

Canal 5 Studio would be an excellent choice to design a new Rockport Public Library, one that will serve as a place of community engagement well into the future.

Best regards.



Patrick S. Costin, AIA, LEED AP
Principal



Architectural Design Services Qualifications

presented to the **Ad Hoc Library Planning Committee**

representing the Select Board and Library Committee of Rockport
in care of Richard C. Bates, Town Manager

101 Main Street
Rockport, Maine 04856
207.236.0806

by **Canal 5 Studio, LLC**

Patrick Costin, AIA, LEED AP
One Canal Plaza
Suite 888
Portland, ME 04101
207.553.2115 x104

Table of Contents

Section 1. Qualifications

Overview
Program
Approach
Process
Team Management, Coordination & BIM
Sustainable Design
Workload Projection
Communicating Design Intent

Section 2. Project Team

Team Organization
Design Team Overview
Consultant Qualifications

Section 3. Selected Projects

C5S: John T. Gorman Foundation
MMC Research Library Renovation
Hyatt Place Old Port
Music Studio House
Bates College Office of Intercultural Education
Colby College Lunder House
Fairchild Semiconductor Offices
Kno-Wal-Lin Hospice House
Bates College Chase Hall Renovation
Nest Eggs / Yarmouth Health Care Center
michael boucher landscape architects selected projects
Greg Day Lighting selected projects
Allied Engineering selected projects
Becker Structural Engineering selected projects
Woodard & Curran selected projects

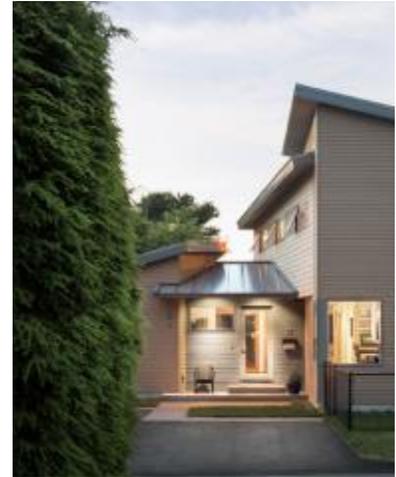
Section 4. Resumes of Key Personnel

Section 5. Project Schedule

Section 6. References

Section 7. Appendices

Hourly Rate Sheet
W-9 Form
Insurance Verification
A - Firm Contact Information
B - Firm References
C - Conflict of Interest Form





Qualifications

*"You have helped me
breathe life into an idea
which shall remain a part of
this community long after
we are gone. Thank You!"*

*J. Tim Soley
Owner
East Brown Cow*



Canal 5 Studio Overview

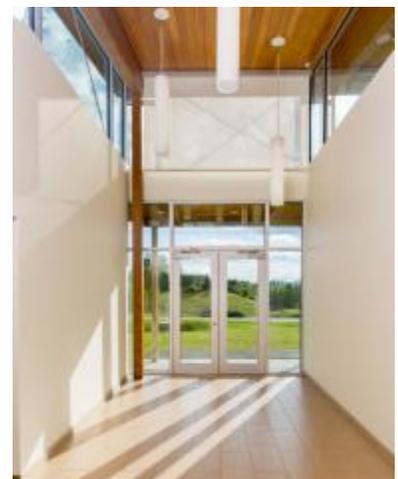
Canal 5 Studio (C5S) is a five person architectural firm committed to advancing the built environment through designs that possess *meaning, quality, and character*.

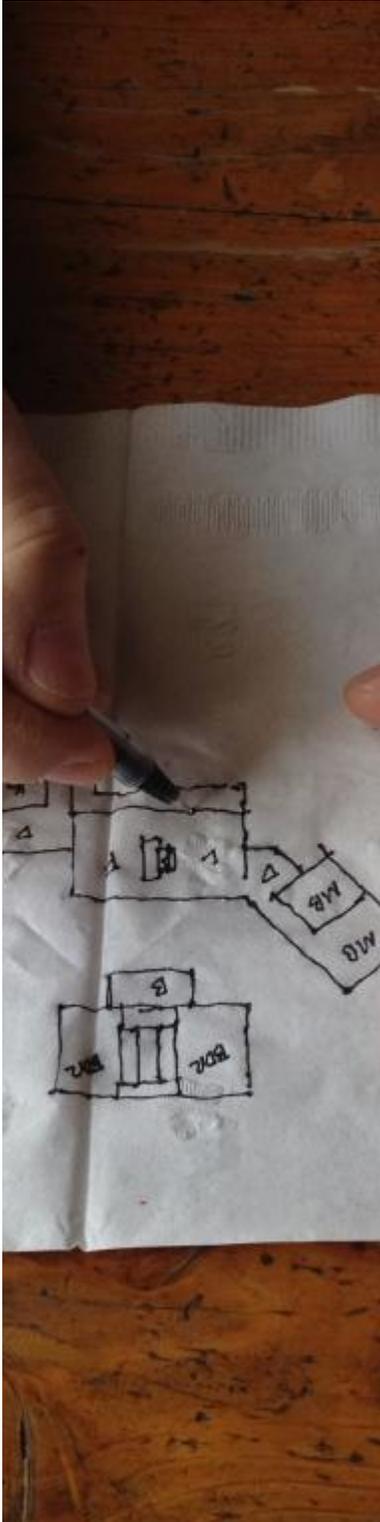
Our projects fulfill the needs and express the aspirations of clients from *a variety of sectors*, including higher education, healthcare, institutional, commercial, and residential.

C5S is intentionally small, allowing us to give each project the attention it deserves. We are *a partnership of diverse strengths*, with each partner bringing special skills to our common commitment to design excellence.

We employ a *strategic project delivery* process that integrates the talents and insights of all project team members (e.g. consultants and construction managers) early in the design. This increases value to the owner, reduces waste, and maximizes efficiency, always with an eye towards cost management.

At Canal 5 Studio, we are guided by principles of *trust, transparent process, value-based decision making, and team success tied to project success*. We have a history of creating dynamic, engaging, satisfying spaces.





Program

In addition to programmatic needs of the site and building (parking, ADA accessibility, energy efficiency, longevity, re-engineering of street intersection), C5S understands that the “meta” design task is to *reinststate the library as source of civic pride*, both culturally and as physical presence, a compliment to the opera house. We would seek to design a building that reinforces scale and feel of neighborhood, and that reprises the role typical of late 19th and early 20th century small town libraries throughout Maine.

C5S and our consultants can bring our skill and ingenuity to bear on the challenge of fitting program and parking on a difficult site, with ledge, adjoining stream and wetlands, and existing infrastructure. We would pursue a solution that is large enough to service the needs of the town while scaled to the village and 'neighborly'...one that contains the amenities of a 21st century library but sits comfortably within its traditional architectural surrounds. That references historical architecture, but not itself be a pastiche of historic motifs applied to a contemporary building. One that possesses the *stature of small town libraries past* but does not mimic them.

At its pivotal location at the apex of Central Street the new library should *support the town center*, like the keystone supports an arch. It should define the edge of the civic spaces and public way, while sheltering the residential neighborhood behind. It should be a stable, solid, grounded - yet aspirational and inspirational, with the solidity of granite, the tradition of white painted clapboards, the transparency of glass.

Rockport needs a building that does all these things, yet *at a cost that the citizenry can support*. One that gets “buy-in” from the populace and inspires donors. One that is iconic, but refuses to be labeled as monumental or ostentatious. One that fits with the traditional New England values of frugality and practicality.

We envision a library that provides sitting areas and comfortable, sun-filled spaces, quiet nooks, dedicated areas for children and teens, appropriate work and book processing areas, and the ability of staff to oversee patrons and computer use. We see one that provides a sense of arrival, clear wayfinding, and that is warm and welcoming...that has areas that are well defined by light, color, and texture.

A library is a place to be sheltered, safe, and comfortable, while engaging in the infinite world of ideas. A place to pause, remember, survey and appreciate, as one would at a granite monument to soldiers lost, and to pass these subtle learnings on to future generations. To reflect on things lasting and timeless.

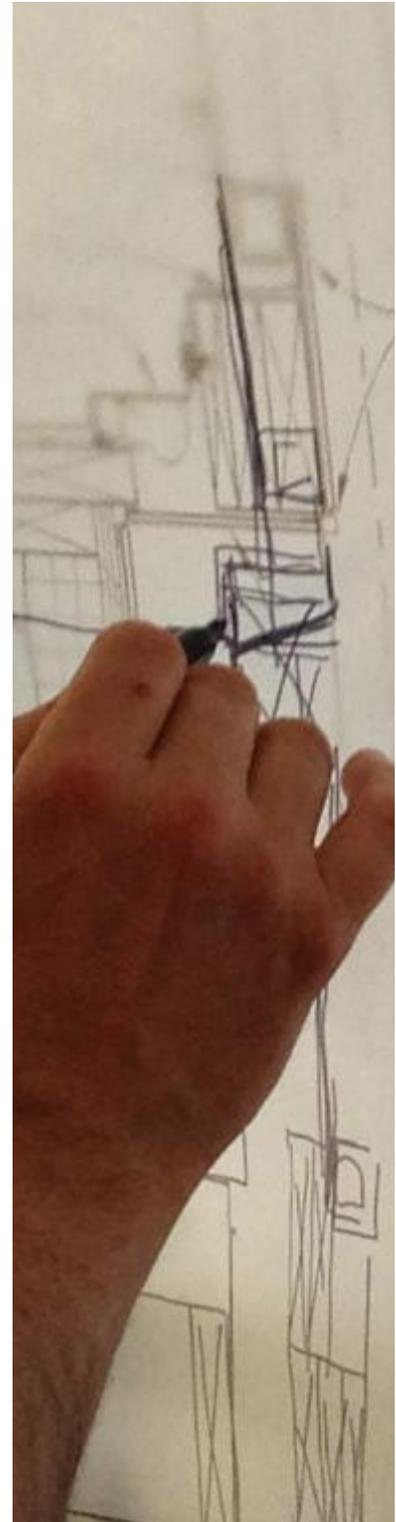
Approach

A quality work of architecture is analogous to a *bespoke suit or dress*, custom tailored to fit the client, and what matters most is not the volume of similar suits or dresses that have been produced, but the understanding of fit and fabric possessed by the tailor, the feeling for the bias of the cloth and how it drapes, the care taken in measuring the wearer's anatomy, and the precise cutting and sewing of the cloth to achieve a certain fashion and feel.

This is the approach that C5S takes to each architectural design. Each client's project is a *unique design opportunity* to be explored and resolved. We do not offer a previous architectural solution modified to fit your space requirements.

A typical five person architectural firm would likely consist of a single principal architect with the support of less experienced designers and drafters. Canal 5 Studio's strength is that we are *four registered architects* (with master's degrees and 15-30 years experience), and one interior designer (who graduated Parsons School of Design, attending on a full scholarship) working as partners.

We work with clients as their *trusted advisor*, guiding them through a complex process; providing creativity, ingenuity, and the information





required to make timely and informed decisions.

Clear *communication* is essential to synchronize the many considerations required to create a successful building. This includes how the team communicates design issues and how accessible they are to the client. At C5S we place great value in clear and concise, open and honest communication.

C5S will provide confident *thought leadership*. This means that we will not be passive in our engagement with the Rockport Library Committee, following the easiest path to a generic solution, but instead advocate for what we believe to be the optimal design.

We will question and research to understand the library's identity, and our solution will express your values and mission. We will craft these into unique, clear, and thoughtfully executed spaces. Spaces that will *convey your vision* and that will endure in the memories of those that experience them.

What we design for you will have *integrity*.

Together, we will create something *extraordinary*.

Process

Over the course of our engagement we will generate a *shared understanding* between project participants. This will become a benchmark against which to make design decisions. This understanding will be founded upon project goals, which include aesthetic and performance aspirations.

A detailed *quantitative program* of proposed spaces will be created, which will identify space requirements; document area and special characteristics, materials, and equipment to be accommodated.

A *design brief* summarizing these desired projected outcomes, including budget and schedule, will become the reference point for project assessment and direction going forward.

We practice *integrative design*, a method that aligns client, design team, and construction manager, assimilating the expertise of each team member into the design effort at an early stage. This collaboration helps us to design strategically and systematically, and to optimize building performance, functionality, and aesthetics.

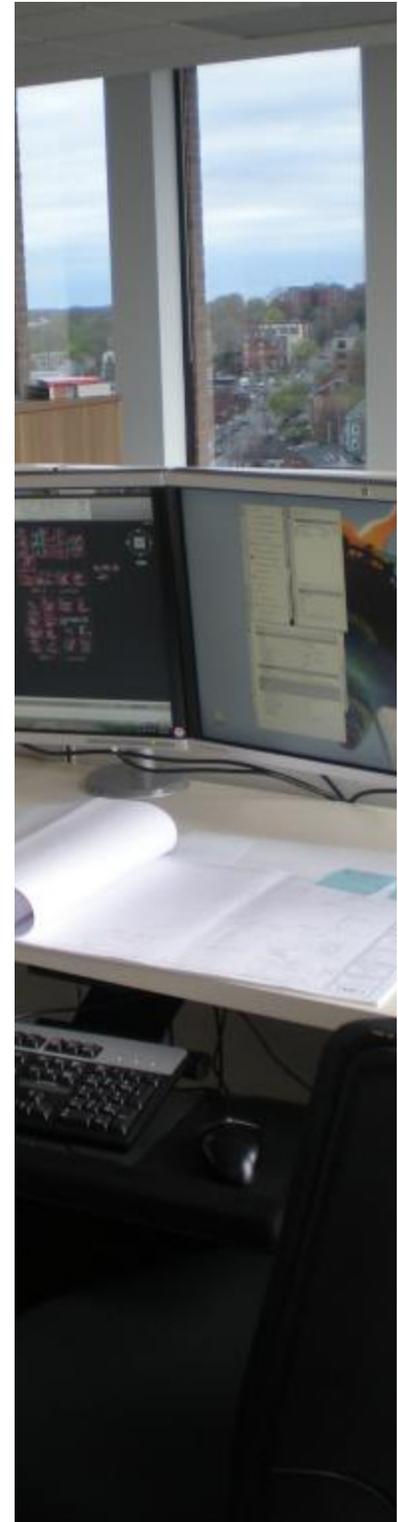
Team Management, Coordination, & BIM

C5S and our multidisciplinary consultants will form a *focused team* of professionals, synergizing our efforts on your behalf. C5S, experienced project managers, will oversee the team and the design process. We understand coordination with the consultants to be a pivotal endeavor, central to the architect's role in the project.

To help us integrate our design efforts effectively with all project stakeholders, our design team uses 3D digital *Building Information Modeling (BIM)* software. This application represents the design more completely, allows us to coordinate the design more effectively, and provides more information earlier in the design process. BIM also allows the project team to quantify material cost implications and coordinate in three dimensions where architectural, mechanical, plumbing, and other systems interface. Another benefit of BIM is its ability to reflect the impact on building energy performance of different building configurations. With the ability to make real time decisions on material selection and systems integration, we believe BIM is a robust and important tool for collaboration between members of the owner, designer, and construction teams.

Sustainable Design

The team at Canal 5 Studio has long been committed to the practice of sustainable design, and has been involved in several LEED projects over the years. Four partners are LEED accredited, two are past Board members of the Maine Chapter of the US Green Building Council, and one is a Certified Passive House Consultant. We have the knowledge and *technical understanding* of building systems required to design sustainable, energy efficient buildings. We have partnered with engineers and commissioning





agents on a variety of project types incorporating alternative systems such as ground and ocean source heat pumps and co-generating micro-turbines.

C5S continually strives to design *beyond code* requirements for building efficiency, irrespective of certification. We employ energy modeling to optimize glazing and insulation specifications. We consider life cycle costs. We regularly specify low emitting finishes, reduced packaging, and similar environmentally conscious criteria.

At C5S we believe in passive strategies as the best initial approach to the design of comfortable, low-impact *resilient buildings*. We believe that healthy indoor air quality and access to light and views are basic human needs and biophilic psycho-physiological desires that, when fulfilled, support human well-being.

We believe that every building is best designed with a *high performance* building envelope, of durable materials, well detailed, and properly air sealed. And we believe that efficient, adaptable, soundly constructed and long lasting structures provide the optimal utility and economy, while reducing environmental impact over the long term.

Building Systems

C5S has a comprehensive understanding of the *construction techniques* appropriate to the Maine climate. We have been designing and building houses and commercial structures in Maine for many years. Hands on experience (one partner is a former builder) and working closely with contractors has given us a familiarity with construction techniques and sequencing that helps us communicate clearly with construction teams and to create 'buildable' designs.

A knowledge of *building science* especially important with the current advances in material technology and the desire for well insulated building shells. The potential for undesirable moisture and mold to exist in thickly insulated and poorly sealed wall assemblies did not exist years ago. Tight building envelopes reduce air exchange, making non-emitting materials and adequate ventilation rates essential. C5S is keenly interested in the science

of high performance buildings, and stays current with the knowledge promulgated by the Building Science Corporation, PassivHause International, AIA 2030 Challenge, The National Institute of Building Sciences, and so on, by attending lectures and workshops, and by reviewing books and periodicals.

Workload Projection

Canal 5 Studio currently has one urban master plan in concept design, one new office building in design development, two office building renovations in programming and under construction, and a few smaller projects underway. There is *ample room in our schedule* to accommodate additional management and production workload.

C5S is committed to the practice of architecture as a hands-on experience by our principals throughout the project. If our firm is retained for this project, your project will receive the *personal attention and professional expertise* it deserves.

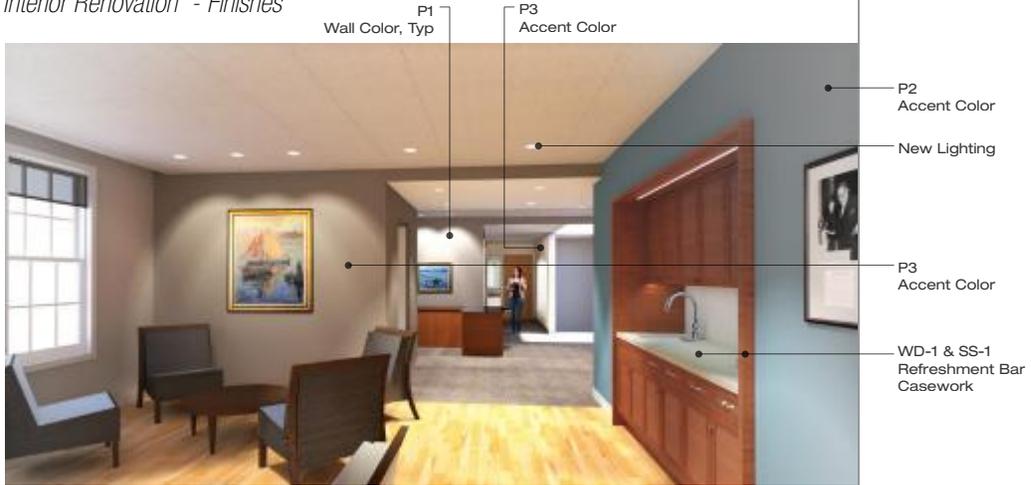
Communicating Design Intent

As a regular component of our design process, we create a *3-dimensional "sketchup" model* of the proposed design. This allows us to explore a variety of design options, and conveys the design intent to the entire team, most notably to the client. Too often architects assume that clients can easily read construction plans. This can lead to misunderstandings and misinterpretations, and to clients surprised by and disappointed with the constructed space. The sketchup model allows us to explore and share options electronically.

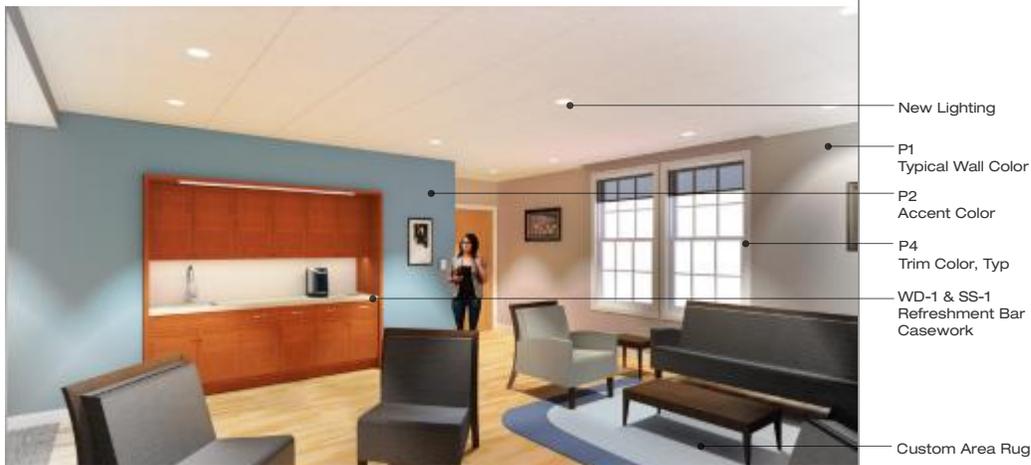
Using special software, we are able to create digital *renderings*. Communicating lighting and finishes, these renderings benefit project understanding and garnering of financial support. In addition to models and renderings, we employ hand sketches and drawings, physical models, color-boards, and mock-ups.

A few *examples* of graphics produced by C5S:

Interior Renovation - Finishes



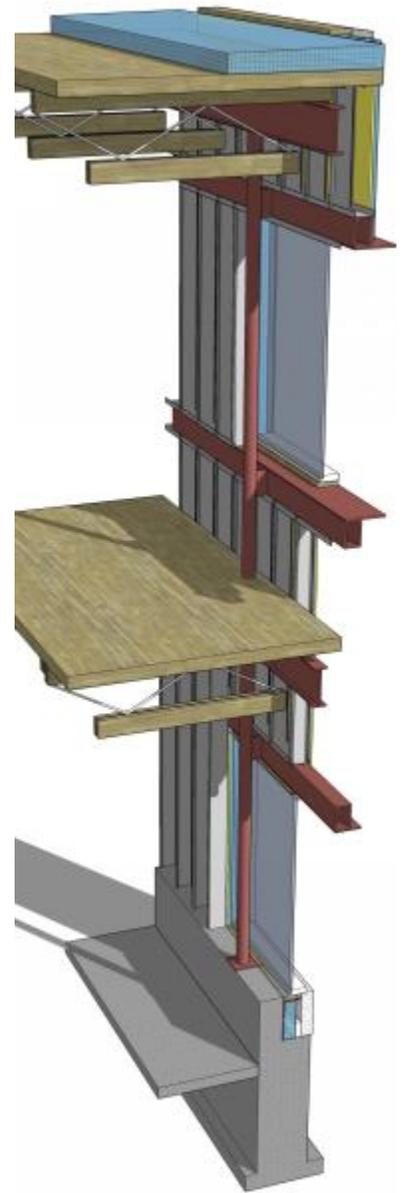
Concept View, Gathering Room Looking Towards Entry



Concept View, Gathering Room



Concept View, Presentation Room









Project Team

"It is with pleasure and confidence that I highly recommend Canal 5 Studio. They are professional, personable, approachable, and competent. I would not hesitate to engage them in any future projects."

Janet L. Cowen
Director of Library Services
Maine Medical Center

Team Organization

OWNER

Rockport Public Library

Richard Bates, Town Manager

ARCHITECT

Canal 5 Studio - Architecture, Planning, Interior Design

Patrick S. Costin, AIA, LEED AP, Project Director

James P. Gauthier, AIA, LEED AP, Project Manager

Jessica G. Johnson, AIA, LEED AP, Architect

Tim R. Hart, AIA, LEED AP, Architect

Lodrys Gomez, Interior and Architectural Design

CONSULTANT TEAM

Michael Boucher Landscape Architecture

Michael Boucher, RLA President

Greg Day Lighting - Lighting Consultants

Greg Day, IESNA, IALD, LC Lighting Designer

Allied Engineering - Mechanical , Electrical , & Plumbing Design

Ian McaDonald, P.E., Director of Mechanical Engineering

Catherine Faucher, P.E., Director of Electrical Engineering

Becker Structural Engineers

Paul Becker, PE, SECB, President

Ethan Rhile, PE, Associate, Structural Engineer, Project Manager

Woodard & Curran - Civil Engineering

Barry Sheff, PE, Principal

Preferred Construction Management - Cost Estimating

Kyla Magnusson, Lead Estimator

T.Y. Lin International - Traffic Engineering

Thomas Errico, PE, Senior Associate, Traffic Engineering Director

Design Team Overview

C5S has assembled a design team *precisely tailored* to address the needs of the Rockport Public Library (RPL). We feel it is of great advantage to both the architect and the client to be able to secure a team of professionals with skills and experience that are appropriate to the specific needs of each project.

michael boucherlandscape architecture (MBLA) provides a full scope of landscape design services, nationally and internationally, from their Freeport office. Their focus on "space-making and movement through the landscape" has led to successful projects with many cultural and educational institutions. They are especially adept at linking the landscape to buildings and site structures. MBLA will provide RPL with a world class landscape architectural firm.

Greg Day Lighting, with offices in Bath and New York, is a consultant that C5S sees as invaluable to creating great architecture. Lighting design is an often overlooked specialty that profoundly affects the experience of a space. Greg is at the forefront of illumination technology, and his inclusion on our team will help produce the best possible architectural solution.

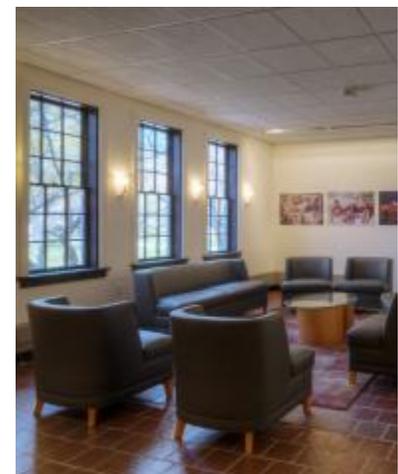
Allied Engineering is a Portland based engineering firm experienced in providing energy efficient and sustainable building MEP (mechanical, electrical, & plumbing) engineering design services throughout New England. Allied's expertise in energy modeling and building efficiency analysis will allow for the design of an efficient and economical building.

Becker Structural Engineers is an award winning structural engineering firm located in Portland with whom C5S frequently teams. Becker brings a creative energy to projects that makes them enthusiastic collaborators, always willing to explore a variety of options to cost effectively achieve the desired architectural result.

Woodard & Curran's dedication to the highest quality professional service to its civil engineering and environmental science clientele has been the foundation of their success.

Preferred Construction Management (PCM) is a firm specializing in construction estimating and cost control services. C5S has worked with PCM successfully in recent years to accurately predict project budgets, and we would rely on them for that task for the new library design.

T.Y. Lin is an international full-service infrastructure consulting firm with offices in Falmouth specializing in transportation/traffic engineering.



FIRM

michael boucher landscape architecture is a professional design firm located in southern Maine. Over the past twenty years we've enjoyed contributing to a wide range of projects, as leaders, but more often as members of multi-disciplinary collaborations. The firm has completed projects and competitions throughout the US, Canada, Europe, South America and Asia. We currently have projects underway in California, Maine, Massachusetts, Michigan, Montana, Nevada, New York, Texas and Virginia. Internationally, projects are also underway in China and St. Barthelemy Island.

EXPERIENCE

We provide a full scope of landscape architecture services tailored to assist our clients in developing clear visions for their properties. The scale and type of our projects have ranged from land planning, to campuses, museums, churches, courthouses, libraries, historic properties and recreation facilities. We also have a great deal of experience planning and designing large private properties. Designs for many of our projects have focused on creating places for people to gather while addressing issues of circulation, security and programming. Our designs are always focused on, and built around, a strong architectural design and particularities of the site and merged with the surrounding context.

STRENGTHS

The office is intentionally small - a spirited and close-knit team of eight who are well-attuned to working cooperatively with inventive and forward-thinking architects, colleagues and client groups. Our experiences lend a comprehensive approach to all scales of design, from feasibility studies and master plans to detailed site designs and site furniture. We operate nationally and increasingly internationally, exposing us to a great many landscape typologies, cultural viewpoints and methods of building. This experience benefits our clients and projects in providing a certain level of objectivity that we try to bring to each new undertaking.

Our work often mediates the 'in-between' zone of architecture and its context (natural, historic and cultural) with the goal of crafting landscapes with seamless indoor-outdoor relationships between architecture and landscape space.

We do not seek to imitate nature. Rather, we attempt to understand local natural systems and from that, create clear and thoughtful contrasts to nature, emphasizing spatial qualities of the landscape and serial experiences of moving about a particular place.

We strive to create simpler design solutions that are easier to build well, simpler to maintain, and longer-lasting in the memories of those who experience them. We advocate the use of native and indigenous plants, resulting in a beautiful, practical and self-sustaining landscape - plants that make common sense in a particular place.

We are experienced with the LEED certification process and we find that our practical approach readily meets LEED goals and requirements as a matter of course.

APPROACH

In pursuing or considering project opportunities, we seek out clients and other designers who enjoy active, open teamwork. We strive to be inventive, but at the same time we are rational, good listeners, and take seriously the responsibilities of meeting owners' expectations and needs, including schedules, budgets and other essential project requirements.

Within the studio we work as a team: principal, project leader and others, changing roles as necessary. We call upon the expertise of various colleagues to supplement our knowledge when historical, horticultural, geologic or technological specialties are new to us.

The design process is an ongoing conversation and the success of any project requires that all parties develop a shared vision for the overall results. We believe that every project should be developed as a comprehensive design - the result of integrated collaboration among many design disciplines. We appreciate the opportunity to work with clients and architects who hold high standards for design and we approach each new venture with enthusiasm and rigor.

Greg Day Lighting



100 Front St 3rd Flr Bath ME 04530 419 Lafayette St 2nd Flr NY NY 10003 207.671.5551 gregdaylighting.com

Greg Day, IESNA, IALD, LC started his professional lighting career in 1986 as part of the IALD Internship Program in New York City. Since then he has designed the lighting for a wide variety of projects including homes, restaurants, office buildings, hotels, art galleries, museums, high-rise condominiums, entertainment venues, building facades, exterior sculpture projects and lighting studies for entire cities. He is nationally licensed (LC) by the National Council on Qualifications for the Lighting Professional. Greg was born in Maine and went on to receive degrees in Architectural Engineering and Architecture from The University of Kansas (both with honors). He continually studies the latest in lighting technology and equipment, attends seminars and conferences, and regularly tours manufacturing facilities. Greg has drawn and updated the illustrations for the last three publications of the seminal lighting textbook, "Interior Lighting for Designers" by Gary Gordon.

Greg Day Lighting is a full service Architectural Lighting Design firm. We work closely with Architects, Interior Designers, Landscape Architects, Engineers, Graphic Designers and Signage Designers as well as with the Client and other consultants to ensure that all aspects of a project are aesthetically and functionally illuminated. We want to make sure that the lighting adds excitement, energy and interest where appropriate and, conversely, that the lighting is quiet, subtle and unobtrusive when necessary. All projects are unique, so through team discussions we build a continually updated Question/Criteria list which helps guarantee that the final product reflects the original vision; energy and cost concerns are always near the top of that list. Greg Day Lighting remains involved throughout the construction and commissioning phases working closely with the General and Electrical Contractors to assist with proper placement, lamping, control and focusing.

BACKGROUND

Allied Engineering, Inc. (AEI) has been providing multi-discipline engineering support to our clients since 1958. Our experience lies in our knowledge and understanding of Structural, Mechanical, Electrical and Technology systems for new buildings and renovation design projects. Our expertise is demonstrated in our attention to detail, integrated designs, and our excellent reputation.

AEI has the advantage of having most disciplines under one roof. We are a team player, working for architects as well as leading full-service teams as a prime consultant. We flourish in all project delivery methods, including traditional design-bid-build, design-build, and construction management.

Today's complex buildings require leading-edge systems engineering to optimize performance in both efficiency and use. As projects increase in complexity, communicating designs and design changes among mechanical, electrical, and plumbing (MEP) engineers and their extended teams, including architects and contractors, becomes more important. AEI utilizes Autodesk Revit and Autocad design tools to improve productivity, accuracy, and coordination.

OUR PRACTICE/SERVICES OFFERED

- Structural Engineering
- Mechanical Engineering
- Electrical Engineering
- Building Commissioning
- Technology Engineering
- Fire Protection
- Environmental
- Construction Administration



CERTIFICATIONS

Allied Engineering, Inc. is certified as a *Disadvantaged Business Enterprise (DBE)* by Maine DOT and the Commonwealth of Massachusetts. We are also a self-certified Woman Owned Small Business (EDWOSB/WOSB)



LOCATION OF OUR OFFICE

160 Veranda Street, Portland, ME 04103

DATE OF INCORPORATION:

January 24, 1958; State of Maine, Corporation



Allied Engineering, Inc. has been fortunate to be involved with many unique, high profile, and challenging projects throughout the years. Our architectural, contractor, client, and engineering partnerships have resulted in outstanding projects. Some of these projects have won awards, received citations, achieved LEED Certification, have been published in industry magazines, or have received some kind of acknowledgment for specific design elements. We are proud to have been involved with these outstanding projects. These projects include the following:

Coastal Maine Botanical Gardens Bosarge Family Education Center, Boothbay Harbor, Maine

- First Place Winner of the NESEA 2013 Zero Net Energy Building Award
- MEREDA Deep Energy Retrofits Presentation - 2011 (Ian MacDonald)
- AIA Maine 2013 COTE Awards (Committee on the Environment) Institutional/Educational Citation Award (third)



Emery Community Arts Center - University of Maine Farmington 2012 AIA New England Honor Award for Design Excellence



Portland Public Library - Addition and Renovation

- New England AIA Award for Design Excellence - 2013
- Maine AIA 2012 Honor Award
- Published in Maine Home + Design Magazine, June 2010

St. Mary's Regional Medical Center Chiller Replacement Project- Lewiston, Maine National Energy Star Award

The first hospital in Maine to earn this prestigious award. St. Mary's replaced its air cooled chiller with two high efficiency centrifugal chillers contributing to an annual reduction in electricity costs of more than \$625,000 even while expanding its facility by approximately 100,000 square feet.



the art and science of building





Becker Structural Engineers, Inc. was founded in 1995. We have built a successful practice by providing practical, cost-effective innovative solutions on a wide range of challenging projects. We serve a diverse clientele including architects, contractors, developers, industry and government. Our project involvement includes work with new and existing buildings, parking structures and bridges. Our substantial experience with contemporary building design is complemented by an extensive background renovating and restoring historic structures.

Our staff allows us to deliver high quality service on multiple large projects simultaneously. Our project approach combines classical engineering theory and practical experience, paired with integrated 3D structural analysis software and AutoDesk REVIT to develop Building Information Models (BIM). REVIT is our go-to platform to create structural models which link and coordinate with architectural and mechanical models, developing a comprehensive look at structural, architectural and mechanical system interactions which improve design, coordination and construction implementation.

Our design capabilities are complemented by our construction phase services, which include construction reviews for general conformance and implementation and administration of the IBC Special Inspections Program. We believe a strong job site presence contributes to enhanced quality and improved construction efficiency. Working with the owner, architects, contractor and testing agencies our office provides a full range of construction monitoring capabilities.

No other firm has the experience that we have designing deep foundation systems for the buildings on the Portland Peninsula. Our designs routinely utilize end-bearing precast concrete or steel H piles to depths of 120 feet through deep marine deposits and uncontrolled fills. Soil improvement using rammed aggregate piers and mat foundations are used where thick stiff clay strata are available. Our buildings have changed the face of the Portland skyline and the fabric of the city, breathing new life into underutilized buildings and creating new landmark structures. We credit our success to the outstanding architects, consultants and contractors who collaborate with us and to our dedicated staff who maintain the highest standards and integrity, which are essential in structural engineering.



building structures

- new buildings
- specialty structures
- modifications
- structural strengthening

investigation

- feasibility studies
- condition assessments
- structural evaluations

rehabilitation

- historic restoration
- seismic upgrades

parking structures

- new garages
- rehabilitation

bridges

- new bridges
- rehabilitation
- load ratings

special inspections



Woodard & Curran is a 850-person, integrated engineering, science, and operations company. Privately held and steadily growing, we serve public and private clients locally and nationwide from our 18 offices across the U.S.

From our environmental roots to the range of consulting, engineering, and operations expertise we provide today, we work for a diverse clientele — including colleges and universities, municipalities, real estate developers, and industry.

Talented people are at the heart of our firm. Frank Woodard and Al Curran founded the company in 1979 on a simple business concept: provide an enjoyable place to work with opportunity, integrity, and commitment, and we will attract talented people. It happened. At the heart of our company are people who are experts in their field and passionate about what they do, showing a level of commitment and integrity that drive results for our clients. You experience this power every day in our actions, our solutions, and our promises kept.

Our Maine presence

From our Portland headquarters with an established and expanding client roster, our Portland and Bangor offices have a solid base of clients which include a variety of educational and housing entities such as Bates, University of Maine System campuses, Bowdoin, Colby, and Avesta and municipalities throughout the state. Our experience includes civil/site planning, design and permitting; environmental remediation; water, wastewater and stormwater infrastructure; and compliance management.

Total campus solutions

Woodard & Curran's successes serving academic institutions have earned the firm its reputation as one of the nation's most sought-after campus consultants. We understand the complex infrastructure, financial, reliability, compliance, and sustainability demands you face in meeting your master planning goals, and our people team with you to achieve them. Beginning with our expert engineering design and operations support, we work with you to make the most of your existing infrastructure and to engineer what is needed for your institution's future.

Our integrity and commitment are matched only by the depth of our expertise. Our staff are specialists in their fields, offering in-depth understanding of cutting-edge technology, astute problem-solving, multidisciplinary engineering, and expert regulatory guidance. The firm has received numerous honors and awards, and we have ranked among Engineering News Record's top 100 environmental firms since 2000.

SERVICES OFFERED

Civil and environmental engineering

- site design
- storm drainage
- permitting
- wastewater engineering
- water supply
- asset management

Corrective action

- PCB/Hazardous materials in buildings
- site investigation and remediation
- due diligence
- risk assessment
- environmental ecology

Environmental management consulting

- compliance
- health, safety, and security
- sustainability
- environmental information systems
- expert witness
- hazard mitigation

Industrial engineering

- process engineering
- industrial wastewater
- electrical instrumentation, and controls
- food and beverage manufacturing

Operations and management

- contract operations
- water & wastewater treatment
- water reclamation
- groundwater remediation
- training services

Power & energy

- power engineering
- natural gas
- solar



Accuracy you can build on.

PCM is a consulting construction estimating firm incorporated in NJ in 1995. PCM is a WOSB and certified in MA, NJ, NY, and PA as a SBE, WBE and DBE. Recently, PCM has expanded to New England with the opening of an office in Maine to have a more hands on availability to our projects located in the New England area.

Our projects include residential, commercial, industrial and public work for renovations, restorations and new construction. PCM also provides CPM scheduling services and serves as an expert witness for construction litigation.

Our clients include Owners, Architects, Construction Managers, Municipalities, General Contractors and Subcontractors. Projects are prepared during design and/or at bid. Working with this varied client pool helps us to keep our finger on the current market pricing levels and conditions. PCM also has a good relationship with many suppliers in the locales of their projects and does not hesitate to contact them when working on an estimate to confirm current pricing.

PCM has developed a proprietary data base of costs developed from subcontractor prices received related to the jobs in the New England/New York/New Jersey area that we have estimated for our general contractor clients. This database is augmented by databases published by RSMeans, BNI, McGraw Hill and ENR.

PCM utilizes *OnScreen Takeoff* to ensure precise quantities for construction documents and on site surveys for conceptual or claim estimates.

PCM has worked with many Architectural/Engineer firms on Design projects including Community Facilities, Recreational and Sport Facilities, All levels of Educational Facilities from Pre-School through to College & Universities, Utility Facilities, Medical Facilities from Physicians' Offices to Hospitals including X-Ray and Specialty Areas, Transportation Infrastructure, Tel-Com Facilities, Multi-Residential Housing & Mixed Use Facilities. Projects are located in the Metro NY/NJ area, as well as, the entire eastern seaboard and across the US, Canada, South America and the Mid-East. Varied locations require PCM to know the current market conditions for each project's specific area, not only including pricing trends but labor availability which can very often impact a project's cost.

T.Y. Lin International Overview

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Visit us online at www.tylin.com

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Founded in 1954 as a minority owned, two-person engineering firm, T.Y. Lin International (TYLI) has grown into a globally recognized, full-service infrastructure consulting firm. TYLI has over 50 offices and thousands of engineers and planners throughout the United States, Latin America and Asia. We are currently ranked 11th on Engineering News Record's (ENR) list of top 50 Transportation Engineering firms and 44th on ENR's list of top 500 Design Firms.

While TYLI in many respects is well-known for their design, big bridge in particular, their local and national experience in traffic engineering and planning, complete streets, and corridor planning are award winning. TYLI is a corporate sponsor of the National Complete Streets Coalition and Maine staff are members of the Institute of Transportation Engineers (ITE) and the Association of Pedestrian and Bicycle Professionals. Tom Errico, PE was named "[2013 Transportation Engineer of the Year](#)" by the New England section of ITE and currently serves on the Board of Directors. Tom was also recently selected as a Lead Workshop Instructor for the National Complete Streets Coalition from a pool of national experts. TYLI staff actively support and present workshops on Complete Streets' principles throughout the country and assisted in the development of the updated "AASHTO Bike Guide".

Our Falmouth, Maine office employs 45 people and has been providing transportation engineering and design services in bridge, roadway, traffic engineering and construction inspection to municipalities and state agencies throughout New England for 30 years. TYLI is currently providing on-call transportation engineering services to the City of Portland and Tom Errico has managed that program for over 10 years. TYLI is intimately aware of the project area and through Tom's active participation with the City has gained a unique insight into the transportation needs of the City. TYLI has conducted the following studies for the City of Portland, some of which were in the project area:

- West Commercial Street Share-Use Path Feasibility Study
- Portland Development Traffic Reviews for the International Marine Terminal and the New Yard Projects
- Anderson Street Neighborhood Bicycle Boulevard Project
- Park Avenue / St. John Street Road Diet Projects
- Marginal Way Pedestrian and Bicycle Master Plan.
- Park Avenue / St. John Street Road Diet Projects
- City of Portland Pedestrian Wayfinding System Study
- State Street/High Street Two-Way Feasibility Study
- Outer Congress Street Streetscape Project

TYLI is especially effective when communicating with the general public to help them understand technical engineering issues, which allows for productive interaction and ultimately consensus on a recommended plan. We pride ourselves in providing design solutions that are community-based and meet local, state, and national standards.



Selected Projects

"Canal 5 Studio architects engaged in a collaborative process here at Bates-- one between architects and designers, students, administrators--intently listening to what our students said they wanted, and what they said they needed in a new Office of Intercultural Education. The result of that collaboration, and their artistry and expertise, is a space that speaks to the heart of who we are at Bates."

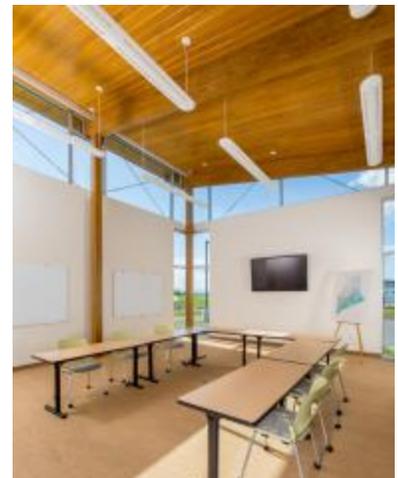
Crystal Ann Williams
Bates College,
Associate Vice President &
CDO
Professor of English

Selected Projects

The projects shown below demonstrate a diversity of work that C5S has engaged in.

We do not work in isolation, or produce commodity architecture. A design focused firm, we approach each project as an opportunity to explore and understand the client's desires and objectives, and craft a singular architectural response to address them.

Our integrative approach leverages the knowledge of specialty consultants who are experts in the specific program type we are called to work on. We synergize the knowledge and efforts of all members of the design team into practical and effective design solutions.



JOHN T. GORMAN FOUNDATION

PORTLAND, MAINE

COMPLETION DATE

2011

SIZE

3,000 SF

CLIENT CONTACT

Tony Cipollone, President & CEO

John T. Gorman Foundation

207.518.6784

The John T. Gorman Foundation, one of the largest private foundations in Maine, provides grants to aid underprivileged residents. Responding to a renewed mission and relocation to downtown Portland, Canal 5 Studio designed the tenant fit-up of 3,000 sf of office space, including a mix of private and open offices, as well as a boardroom, support spaces, and a kitchen. The clean and modern palette includes glass, natural wood, and light colors to take advantage of abundant natural light.



MAINE MEDICAL CENTER MEDICAL RESEARCH LIBRARY RENOVATION

PORTLAND, MAINE

The renovation of the Maine Medical Center Research Library, located on the Bramhall Campus, included reducing the amount of stack space to permit the addition of new study rooms, conference space, research offices, and a periodical reading area. Glass insets in new walls provide a feeling of openness and transparency, allowing the new finishes installed throughout to complement one another.

COMPLETION DATE
2012

SIZE
4,720 SF

CLIENT CONTACT
Dan Doughty
Facilities Development
Maine Medical Center
207.662.4722



HYATT PLACE
PORTLAND, MAINE

COMPLETION DATE
2014

SIZE
80,000 SF

CLIENT CONTACT
Tim Soley, Owner
East Brown Cow
207.775.2252

The Hyatt Place Hotel on Fore Street in Portland, Maine is a 130 room, seven story hotel that incorporates micro-turbine electrical power generation and a high performance building envelope. Located on a challenging site in downtown Portland, the building projects a twenty-first century identity while engaging with the vibrant street scene in Portland's Old Port. A restaurant and bar in the lobby features custom light fixtures designed in a collaboration between Canal 5 Studio and two Maine artists.



MUSIC STUDIO HOUSE
SOUTH PORTLAND, MAINE

The acoustical requirements of a music studio for piano teaching and a capella singing, distinct from the remainder of the residential space, were the genesis for the form of this home in South Portland.

COMPLETION DATE
2012

SIZE
2,200 SF



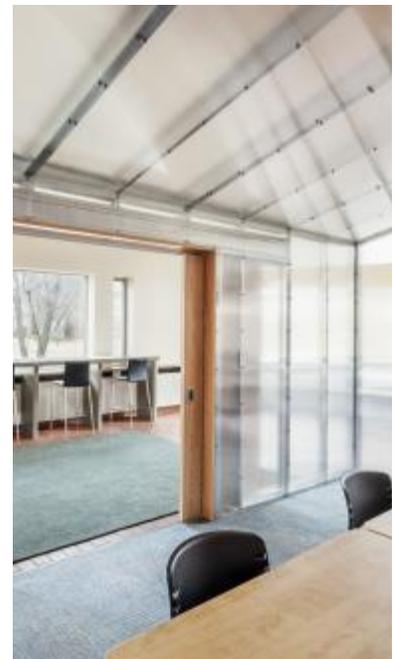
BATES COLLEGE OFFICE OF INTERCULTURAL EDUCATION
LEWISTON, MAINE

COMPLETION DATE
2014

SIZE
5,100 SF

CLIENT CONTACT
Paul Farnsworth
Senior Project Manager
207-786-6207

The program required a mix of faculty, staff, social, and learning spaces to support a diverse mix of student life activities. Once a dining hall, the converted space contains a diversity of neighborhoods that flow into one another, creating the opportunity for both focused and unstructured interaction. A palette of solid and translucent wall elements creates a dynamism that expresses the culture of the student organization.



COLBY COLLEGE LUNDER HOUSE
WATERVILLE, MAINE

The Lunder House serves as the Admissions building for Colby College where prospective students and their families first experience the college campus and culture. C5S has been engaged to renovate the building's interior to improve circulation and wayfinding, but more so to create a comfortable and welcoming environment that reflects Colby's place as an established yet changing institution: grounded in Maine yet multicultural, rich in history yet contemporary, enriched by the past but embracing today's technology.

COMPLETION DATE:
2016

SIZE:
3,500 SF Total

CLIENT CONTACT:
Scott Young
Project Manager
207-859-5033



FAIRCHILD SEMICONDUCTOR

SOUTH PORTLAND, MAINE

COMPLETION DATE
Under Construction

SIZE
35,000 SF

CLIENT CONTACT
Fred Franz
Senior Director
408-822-2250

Fairchild Semiconductor asked Canal 5 Studio to design a new, progressive open office space to serve as a prototype for corporate facilities worldwide. In addition to lowering the height of workstation furniture, the renovation focused on providing a landscape of glass walled meeting rooms and cafe spaces to encourage collaboration within a flexible workplace environment. C5S has implemented the prototype standards in Massachusetts, Texas, and at Fairchild Semiconductor's corporate headquarters in Sunnyvale, California.



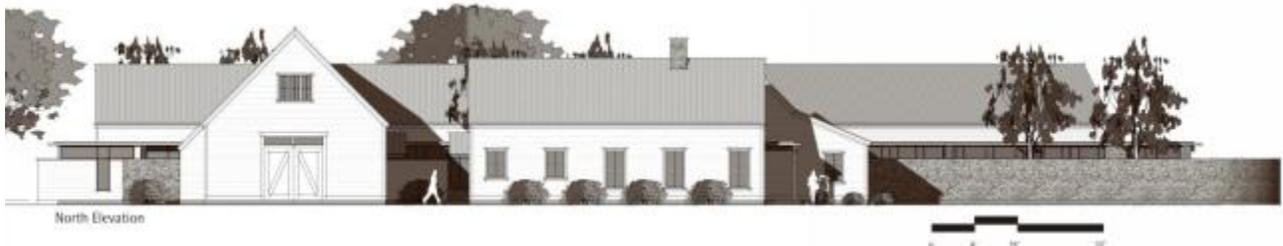
KNO-WAL-LIN HOSPICE HOUSE*
ROCKLAND, MAINE

This 7-bed residential facility is organized to reflect the New England patterns of house buildings and barns that grew by a process of accretion. Linked by meditative gardens and a serene landscape, the one-story layout also responds to staffing patterns and workflow. A living room, library, dining room, kitchen, and sanctuary space support a comforting end of life care.

SIZE:
10,600 SF total

CLIENT CONTACT:
Donna DeBlois, RN, BSW, MSB
207. 284.4566

Citation 2009
Unbuilt Design Award, Portland Society
of Architects



* Project Completed at Harriman

BATES COLLEGE CHASE HALL RENOVATION

LEWISTON, MAINE

COMPLETION DATE
2013

SIZE
64,000 SF

CLIENT CONTACT
Pamela Wichroski
Director of Facilities
207.786.6207

This multi-phase renovation occurred over the course of two summer sessions. The project scope included: renovations to the main entry lobby, cafe, and patio, a new home for the Office of Intercultural Education, installation of new four-stop vertical platform lift, multiple wayfinding, lighting, finishes, and furniture improvements, and multiple life safety, egress, and accessibility upgrades.



NEST-EGGS / YARMOUTH HEALTH CARE CENTER

YARMOUTH, MAINE

Responding to the community's desire for a full-service health care center while respecting the neighborhood's historic character, Canal 5 Studio designed a wood-framed addition that reflects the main street character of the neighborhood while allowing for a contemporary functions medical office building within. A graceful entry portico that redirects patient traffic to a new covered entry. A traditional clock tower benchmarks center's location in the village.

COMPLETION DATE:
2012

SIZE:
15,000 SF renovation
10,000 SF new construction

CLIENT CONTACT:
Scott Canfield, President
207.712.9178

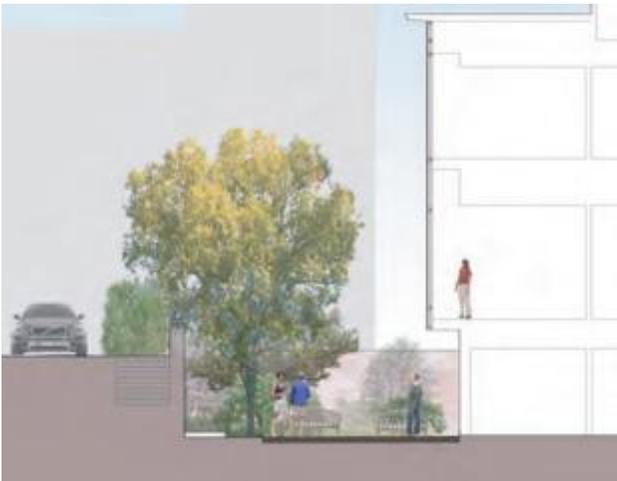




Maine Historical Society

Portland, Maine
with Schwartz Silver Architects

MBLA assisted in the rehabilitation of the colonial revival garden associated with the Henry Wadsworth Longfellow House, a National Historic Landmark. The development of a new garden, accommodating ADA guidelines, was informed by the original 1926 plan, and provides gathering spaces for museum functions. Phase two of the project will involve replacing the existing museum and museum office with a modern building and landscape, further emphasizing the line between old and new.

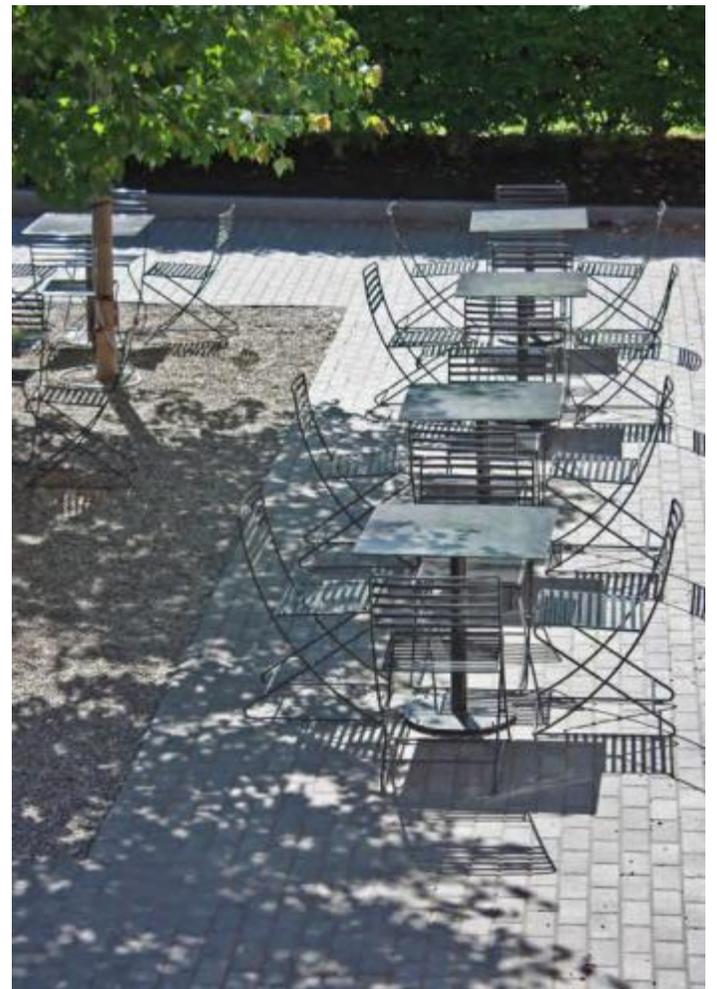
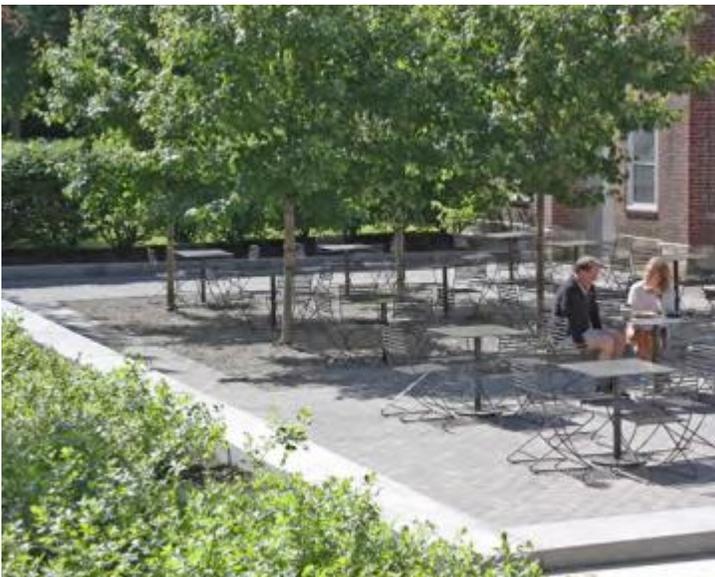




Chase Hall Terrace at Bates College

Lewiston, Maine
with Canal 5 Studio

MBLA collaborated with Canal 5 Studio on a renovation of this historic student center building at Bates College, in Lewiston, Maine. The new courtyard is directly connected to the "den" cafeteria, providing an outdoor space to accommodate socializing and studying, casual dining, and other campus events. The design calls for modular pre-cast seat wall sections that can be re-used in future campus projects, and the reuse of existing cast concrete pavers. The terrace includes a grid of Red Maples set in a panel of pea stone to create a shady and intimate area to gather. Rain water will be collected to the trees.





All Saints Episcopal Church

Bentonville, Arkansas
with Marlon Blackwell Architect

Designed in collaboration with Marlon Blackwell Architect, the overall geometry of the architecture resulted from a process of elimination of site restraints, including unbuildable steep slopes, site access, parking and pedestrian circulation. The site grading and plantings reinforce the bold geometry of the architecture and help define what will be a dramatic arrival drive into the site. Continuous walkways connect the church, parking, landscape spaces and nearby recreational opportunities. This network will provide access to key destinations as well as offer visitors various ways to move about the site. An inward focused interior courtyard provides flexible movement around a large, single tree planted within a sculpted feature bench, and allows space to use moveable chairs or other furniture for a variety of church events.

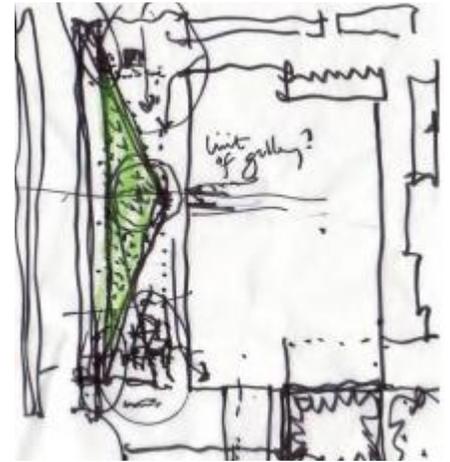
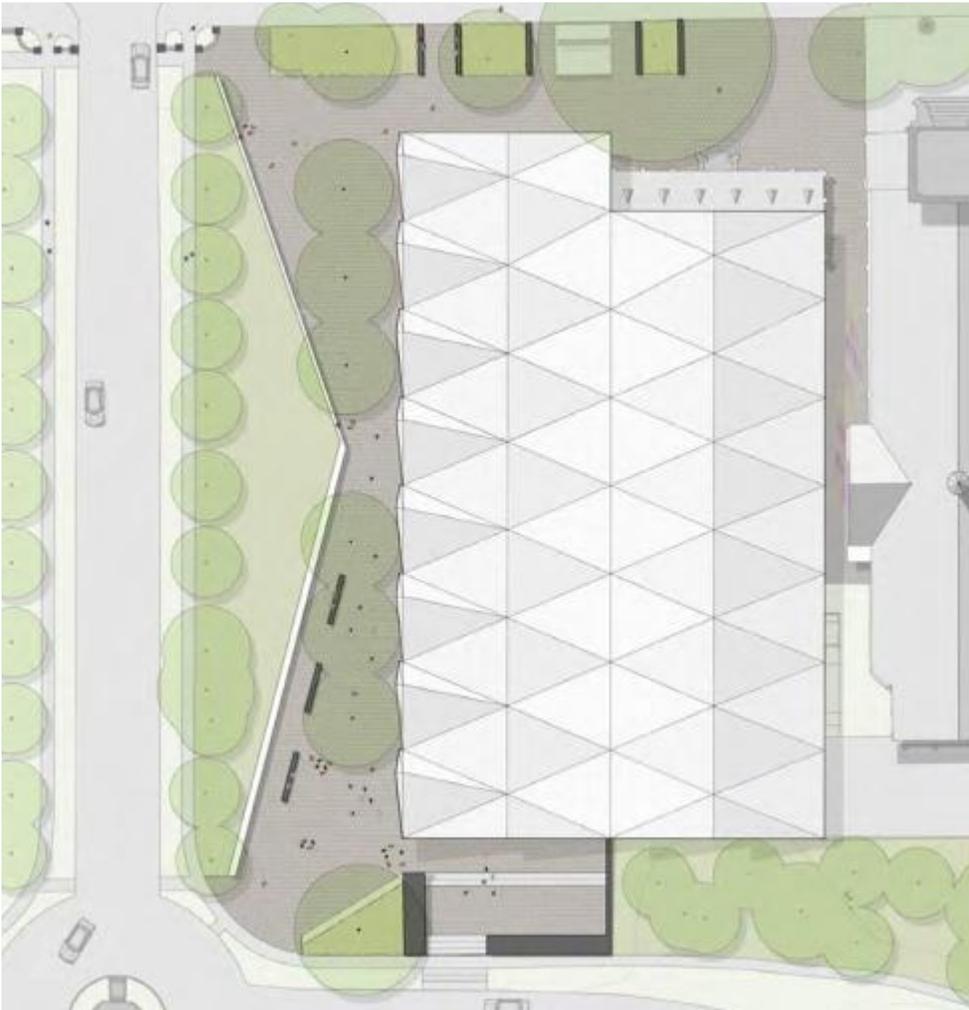




Musée National des Beaux-arts du Québec

Quebec City, Canada
with Barkow Leibinger Architects
and Imrey Culbert Architects

MBLA prepared schematic site designs as a member of one of five finalist teams in this international competition to design a new pavilion at the National Museum of Art in Quebec City. This scheme proposes a series of plazas that respond to the busy avenue - bus stop, seating and bicycle racks - while respecting an adjacent park. These spaces provide the Museum with a range of outdoor exhibition, gathering, seating, and entertaining opportunities that lead visitors to the pavilion's primary southern entrance.

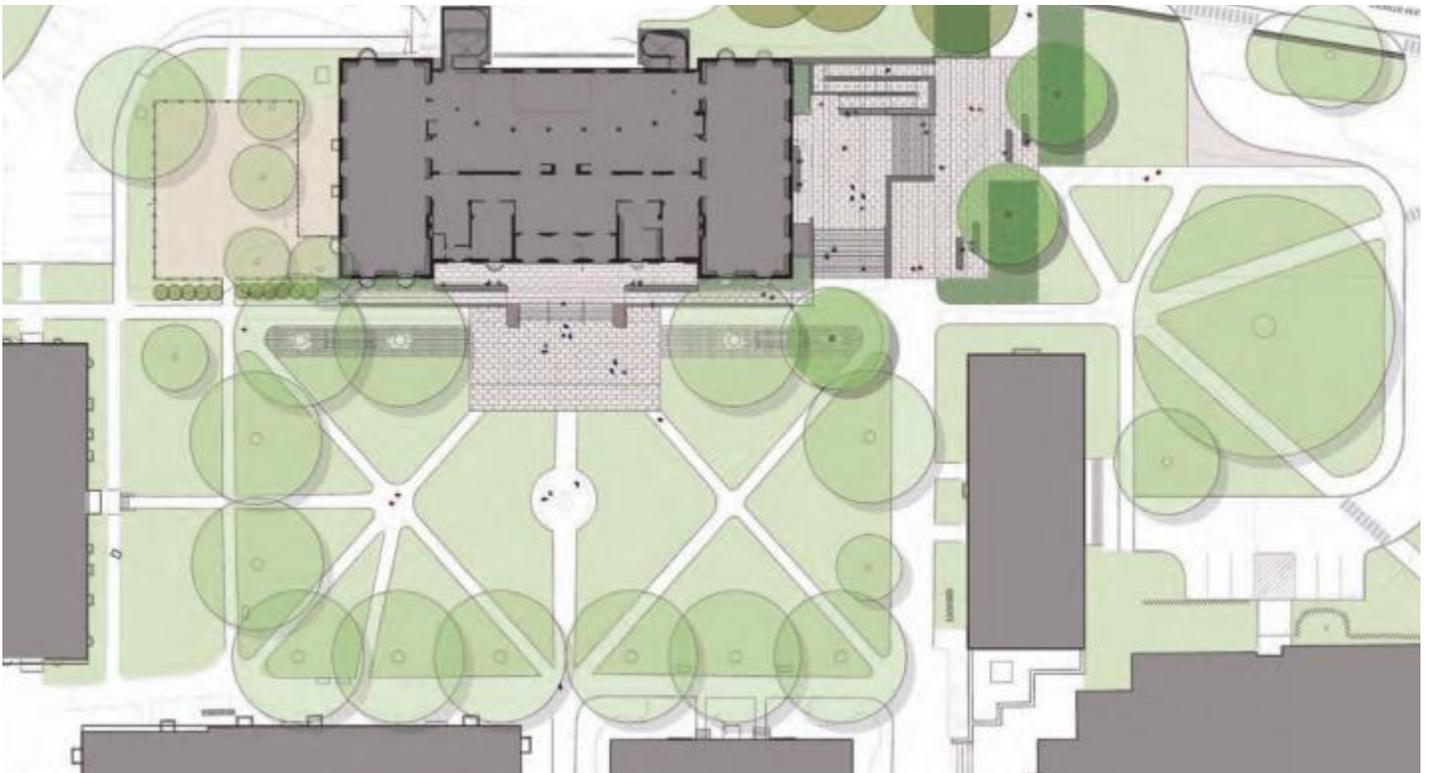




Paresky Commons Phillips Academy at Andover

Andover, Massachusetts
with Schwartz Silver Architects

Our work at Andover is associated with the renovation of the historic Paresky Commons, a 1920s Colonial Revival dining hall and student center- the heart and social hub of the campus. The building occupies one full side of a classic quadrangle designed by the Olmsted brothers. Our design expanded the entry terrace and stairs to provide a generous and comfortable experience of the landscape, allowing greater ease of daily use and much needed space for special events. A new terrace at the building's lower level at the south end creates an outdoor extension of a busy student lounge, while the upper level serves a number of important purposes: creating a new social gathering space, acting as a vital pedestrian node between the athletic complex and academic buildings, and providing access for emergency and service vehicles. Paresky Commons has earned LEED silver certification.





PAAM

Provincetown Art Association + Museum

Provincetown, Massachusetts
with Machado and Silvetti Associates

As part of Machado and Silvetti Associates team for the expansion of this important cultural institution on Cape Cod, MBLA detailed various outdoor functional, social gathering and exhibition spaces. A contemporary addition to the Art Associations original Federal style building is situated within an understated landscape that maintains an open gesture to the street. Terraces adjacent to the new galleries provide spaces for viewing art and for public events. PAAM is the very first LEED certified art museum in the United States.





Rockport Library, Selected Project List

- Colby College Lunder Admissions Building, Waterville, ME
- Kennebunk Savings Bank Corporate Offices, Kennebunk, ME
- University of Maine @ Augusta Architecture & Art School, Augusta, ME
- St Thomas Church, Camden, ME
- St Albans Church, Cape Elizabeth, ME
- Bates College, Office of Intercultural Education, Lewiston, ME
- Norway Opera House, Norway, ME
- Thorndike Building Renovation, Rockland, ME
- St Marks Books, New York, NY
- Casco Bay Books, Portland, ME
- Portland Museum of Art, Art Study and New Acquisitions Room, Portland, ME
- Lincoln Academy Dormitories, Damariscotta, ME
- Bates College, Chase Hall Renovation, Lewiston, ME
- Boothbay Harbor Library, Boothbay Harbor, ME
- Artforms Printing Corporate Offices, Brunswick, ME
- Schlotterbeck & Foss Corporate Offices, South Portland, ME
- Fairchild Semiconductor, South Portland, ME
- Yarmouth Dental Associates, Yarmouth, ME
- Caleb Johnson Architects Offices, Biddeford, ME
- Madison & Columbus Ave. Façade Lighting, New York, NY
- Customs House façade lighting, Bath, ME
- Newcastle 2nd Congregational Church, Newcastle, ME
- Kaplan Thompson Architects Offices, Portland, ME
- Phelps House, Phillips Academy, Andover, MA
- Greater Portland Landmarks, Safford House, Portland, ME

Portland Public Library Phase I Renovations – Portland, Maine

Allied Engineering (AEI) has completed the mechanical, electrical, plumbing and fire protection engineering design for Phase I renovations at the Portland Public Library. The work included a 43,400 s.f. addition and renovation at the main branch in Monument Square. The project includes extensive renovations on the Main and lower levels, infrastructure upgrades, and expansion of the Rines Auditorium, new café and exterior redesign.

Portland Public Library –Rines Auditorium Portland, Maine

AEI designed a complete renovation to the Rines Auditorium. Energy efficient lighting and HVAC systems were utilized. Strategies included lighting controls, energy recovery, and CO2 demand-control ventilation. The overall result is a highly-efficient auditorium.

Lithgow Library Augusta, Maine

AEI provided full service building evaluation, including exterior façade for the purpose of establishing scope and budgeting data to assist in owner planning for future upgrades.

University of Maine - Mantor Library Farmington, Maine

The Mantor Library on the campus of the University of Maine at Farmington was extensively renovated to provide students with a greatly improved work and study environment, access to advanced technologies in the library science field, and to provide reduced operational costs for the University system. As a direct consultant to the University, AEI provided design services in the areas of structural, mechanical, and electrical engineering, including lighting.

Lewiston Library Lewiston, Maine

AEI was hired for a 3-phase renovation and expansion project. The work entailed the following:

- Phase I - 21,000 s.f., 3-story building, HVAC and electrical upgrades supporting space renovations
- Phase II - 8,000 s.f., 3-story building renovation of newly purchased adjacent building.
- Phase III - 13,500 s.f., 3-story expansion to second adjacent building.



Bangor Public Library - Bangor, Maine

Renovations and additions to the existing Bangor Public Library. The \$2.0M project includes interior renovations, a building addition, and related upgrades. Allied Engineering is providing Mechanical, Plumbing, Fire Protection and Electrical Engineering design services.

Wells Public Library - Wells, Maine

Renovations and additions to the existing Wells Public Library. The 24,700-SF project includes interior renovations, a building addition, and related upgrades. Allied Engineering is providing Mechanical, Plumbing, Fire Protection and Electrical Engineering design services.

Falmouth Memorial Library Expansion - Falmouth, Maine

Allied Engineering has been part of the planning and feasibility study team for this library expansion since 2013. Allied Engineering is providing Mechanical and Electrical engineering design services.



Rendering by Scott Simons Architects

The new, expanded facility will be a high-performance, sustainable building that has ample room for the growth of the collection. It has adequate space for adult and youth services, plenty of flexible spaces for meetings, flow between areas, and a variety of beautiful light-filled spaces for patrons to meet, learn, and connect. The library expansion is designed to achieve LEED Gold certification. All mechanical equipment is high efficiency/high performance, as outlined in the mechanical narrative. Lighting is energy efficient fluorescent and/or LED lamps. Plumbing fixtures are selected for durability, performance, and water efficiency.

Town of Corinna - Stewart Library Corinna, Maine

AIE provided a full service engineering evaluation for the historic public library in Corinna, Maine to assist in planning and prioritization for planned upgrades to egress systems, HVAC systems, ADA, and Life Cycle.

Gray Public Library Gray, Maine

Structural floor framing upgrade.

Mt. Blue Middle School Farmington, Maine

School Addition/Renovation with library

Topsham Public Library Topsham, Maine



Windham High School Theater/Auditorium

Windham, Maine

AEI designed HVAC, Electrical, and Structural systems for a new high school plus renovations to the old school which incorporates a state-of-the-art approximate 800-person theater/auditorium.

This project was particularly challenging because it was a phased addition and renovation to the existing high school. There were portables that needed to be relocated and reinstalled temporarily. Occupants in certain sections of the school had to be relocated within the school while renovations were being done.



Poland Middle/High School Theater/Auditorium

Poland, Maine

AEI provided full service design support in the fields of mechanical, electrical, and structural design for this new two-story middle/high school. This facility also incorporated an 800-person theater/auditorium. The total square footage of the structure is 126,000 square feet.



University of Maine Art Museum

Bangor, Maine

This project involved renovations and HVAC upgrades with humidification to support retrofits to an existing facility to house a new Art Museum.



Emery Community Arts Center, University of Maine at Farmington

Farmington, Maine

AEI was hired to develop construction documents for the Structural, Mechanical, Plumbing, Fire Protection, and Electrical design for a new Community Arts Center at the University of Maine at Farmington. The facility houses two exhibit galleries and a central performance space. It incorporates systems which optimize energy performance and represent sustainable design principals. The structure is an addition to the existing Alumni building, maintaining the “doorway to campus” façade.



Colby College Schair Swenson-Watson Alumni Center Waterville, Maine

AEI provided mechanical, electrical, plumbing, sprinkler, and structural engineering services for this 27,000 sf Alumni and Development Center. The super-insulated building with a geothermal HVAC system is LEED™ silver certified.



Cony High School Auditorium/Theater Augusta, Maine

AEI designed the 172,000 s.f., \$28 Million Cony High School in Augusta, Maine. This facility included an approximate 1000- person state-of-the-art Auditorium/Theater.

Oxford Hills Comprehensive High School Auditorium/Theater South Paris, Maine

AEI designed mechanical, electrical, and structural systems for new and renovated areas throughout this 250,000 s.f. facility. The building includes a state-of-the-art Auditorium/Theater facility designed to accommodate 800 people.



Cumston Hall Historic Building Monmouth, Maine

Cumston Hall is an active performing arts center that produces classic plays and dramas on a seasonal basis. The 1900's era structure required upgrading to meet current codes and to provide air conditioning throughout the building auditorium/theatre space and the attached library facility.

To facilitate some of the architectural upgrades for ADA and Life Safety Codes, structural changes were also required through much of the building. Mechanically, much of the existing outdated systems were replaced and installed along with major plumbing upgrades. A completely new electrical service and distribution system was also designed to meet current codes and the needs of the new mechanical and lighting equipment.



Farnsworth Art Museum Rockland, Maine

AEI is proud to have been selected as the mechanical engineer for this highly visible project. Working for both the architect, and later, the Farnsworth Museum directly, AEI provided designs for the complete upgrade of the mechanical systems utilizing techniques which do not cause the systems to detract from the buildings' historic value or the art work displayed.

LEED Projects/ Sustainable Design



Allied Engineering is proud of our energy efficient, green design skills. We have a strong understanding of green and sustainable design strategies and practices, and corresponding credits in the LEED™ Rating System. We have powerful software tools including HAP, eQuest, and System Analyzer that allow us to perform evaluations of the viability and payback of sustainable strategies including day lighting, heat recovery, extra insulation, and others. Energy-efficient, integrated designs are a focus of our practice; we have five LEED accredited professionals and we are an Energy Star Partner.

Friends School - Cumberland, Maine (Passive House/Net Zero Building)

The Friends School in Cumberland, scheduled to open Fall of 2015, **is the first school in Maine, the first commercial project in Maine, and the third school in the nation to achieve Passive House Certification. (the highest international energy efficiency rating).** Passive House Standard is determined by three metrics:

- 1) Envelope Air Tightness
- 2) Total Energy Usage
- 3) Highest Heat Load

Building Facts include:

- R-VALUES: Walls R46.5, Roof R78.8-91, Floor R60
- FENESTRATION: Triple glazed, Intus Windows
- VENTILATION: RenewAire
- HEAT: Solar Gain, Internal gain and Daikon Ductless Split System AC Units



Bosarge Family Education Center, Boothbay, Maine The 8,000-SF **LEED Platinum** Education Center situated at the Coastal Maine Botanical Gardens is being hailed as the “greenest building in Maine,” offsetting all of its energy needs by producing electricity on site. This building will be the third net zero non-residential building in all of New England, and is only the second commercial LEED Platinum building in Maine. First Place Winner of the NESEA 2013 Zero Net Energy Building Award.



LEED Projects/ Sustainable Design

Page 2

Colby College – Schair-Swenson-Watson Alumni Center, Waterville, Maine

AEI designed the mechanical, electrical, and structural systems for this new 28,000-SF alumni building. Following the Green Colby initiative, this facility has achieved a **Silver Rating** under the Version 2.1.

Many green design features were incorporated including a standing column well water heat pump system, gray water system, water-conserving fixtures, energy recovery, and radiant floor heating.



Maine State Housing Authority Office Building, Augusta, Maine

AEI worked on behalf of the MSHA, performing mechanical and electrical system commissioning and progress construction administration reviews. AEI performed IAQ evaluation for MSHA on this existing building which found various issues that could only be addressed through a full building renovation. The issues were serious, the Owner of the building is addressing the issues and we have been retained by MSHA to oversee the repairs, commission the mechanical and electrical issues, and provide LEED™ consultation in the hopes of gaining certification of the facility.

Saco Fire Station, Saco, Maine

AEI designed the mechanical, electrical and plumbing for this **LEED™ Silver** project. The project includes a solar-thermal domestic hot water heating system, geothermal, condensing gas boilers, premium lighting, energy recovery and many other green features.



Capital Judicial Complex, Augusta, Maine

Allied Engineering provided the mechanical, electrical, and plumbing design for this new 120,000 SF court facility. The project is targeting LEED Gold.

Belmont Senior Center (Beech Street Center) – Belmont, Massachusetts

AEI completed the HVAC design for this 18,000-SF senior center. The building **achieved a Silver Rating** under Version 2.2. The building includes a standing column well geothermal HVAC system, energy recovery, and a well-insulated building envelope. AEI performed the LEED energy model to document the energy savings.



LIBRARY PROJECTS

Bangor Public Library Renovation and Addition, Bangor, ME
Boston Public Library Shoring Design, Boston, MA
Falmouth Library Feasibility Study, Falmouth, ME
Maine Historical Society Library and Garden, Portland, ME
New Gloucester Public Library, New Gloucester, ME
Portland Public Library Renovation and Addition, Portland, ME
Rangeley Public Library Addition, Rangeley, ME
Skidompha Library, Damariscotta, ME
Springvale Library Addition, Springvale, ME
Stewart Memorial Library Tower Review, Corinna, ME
Stewart Memorial Library HSR, Corinna, ME
The Hyde School Academic Building Library Wing Addition, Bath, ME
Turner Memorial Library Renovation and Additions, Presque Isle, ME
Williams College Stetson Library, Williamsburg, MA





The Hyde School - Academic Building - Library Wing Addition Bath, Maine

A 9,000 SF building on two floors with a lower level library/lecture hall and upper floor classrooms. The first floor of the building is built into a hillside with a daylighted lower level. Steel frame supporting precast hollow-core plank is used at elevated floor and roof.





Maine Historical Society
Library and Garden
Portland, Maine



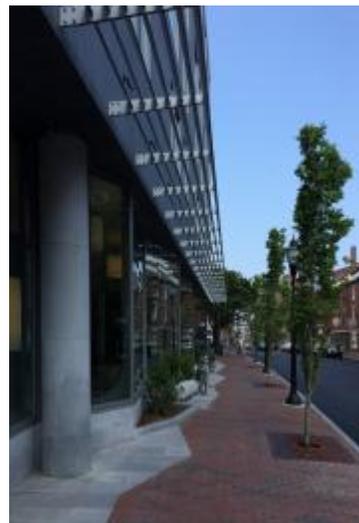
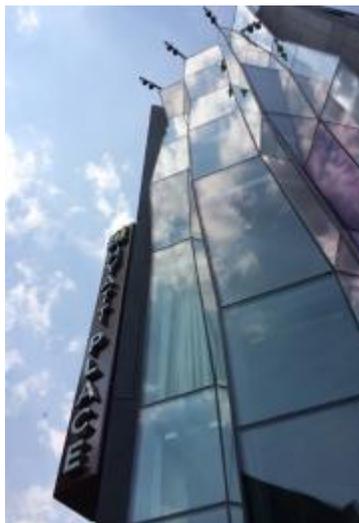
A 8,200 SF three-story addition to an existing research library. Design included steel framing to accommodate three levels of high density collection storage. Project included deep foundation design with close proximity to existing foundations on three sides. Project was designed to interact with a historic, two-story glass shelving system at the existing building interface.



**Hyatt Place - Old Port
Portland, Maine**

ACEC 2014 Honor Award for Engineering Excellence
Featured in "The Construction Specifier" March 2015

Project included the design of a new 80,000 SF, seven-story new hotel. The hotel features an internal porte cochere, pool, restaurant, retail space, rooftop decks, a large tapered roof screen and a distinctive jagged multi-story glass corner known as the "crinkle wall" that extends from the sidewalk and up six stories where it meets the rooftop deck. The angular glass corner serves to provide a light-hearted, dramatic slice through the darker mass of the building. The sidewalk meanders below the building line above and follows the angular pattern of the glass and granite walls of the building. Granite clad columns alternate between the building's interior and exterior and blend seamlessly with the interior finishes and exterior benches.



CITY OF QUINCY MASSACHUSETTS

REVITALIZING A DOWNTOWN: THE ADAMS GREEN PARK AND TRANSPORTATION IMPROVEMENT PROJECT

The City of Quincy has undertaken a visionary revitalization of its Downtown. An array of planning, infrastructure, and public amenity projects are underway to create a new transportation network and a world-class public space. The scope and grandeur of the new public space will be fitting for this historic location dedicated to Quincy residents President John Adams, President John Quincy Adams, and statesman John Hancock.

The City initially engaged Woodard & Curran to represent Quincy's Department of Public Works on utility-based matters during construction and to coordinate daily activities with project designers, the Massachusetts Department of Transportation (MassDOT), City departments, utility companies, and constituent businesses during the transportation infrastructure improvements and public park projects. Woodard & Curran's responsibilities evolved into an Owner's representative role, where the firm will drive the project schedule and minimize costs.

In order to create space for the new Adams Green Park, an existing four-lane roadway through the heart of the Downtown will be diverted and then removed. The discontinued portion of the street will become a pedestrian-friendly promenade. During construction, Woodard & Curran coordinated underground utility and infrastructure improvements needed in the 200-year-old street.

The project will improve traffic, parking, and business elements in the Downtown. The construction effort will also upgrade the City's sidewalks and intersections, improve bicycle and pedestrian access, enhance the streetscape, and make the City's Downtown more transit-accessible.

In addition to project coordination, Woodard & Curran is conducting continuous public outreach to keep residents and local businesses informed of construction undertakings and is assisting the City with inspection of the project's progress, performing construction oversight, and reviewing implementation of the Contractor's traffic control plans as well as keeping the City informed of lane closures.

The \$8 million dollar transportation project is funded by a \$1 million investment from the City and \$7 million in federal and state grants.



The City of Quincy is undertaking an array of planning, infrastructure, and public amenity projects to create a new transportation network and a world-class public space in its Downtown.

The scope and grandeur of the new public space will be fitting for this historic location dedicated to Quincy residents President John Adams, President John Quincy Adams, and statesman John Hancock.



Image: Halvorson Design

HYATT PLACE HOTEL

PORTLAND, MAINE

MEETING ENGINEERING CHALLENGES DESPITE SITE COMPLEXITIES AND AN ACCELERATED CONSTRUCTION SCHEDULE

The developers and owners of the Hyatt Place hotel sought to convert an underutilized 20,000-square-foot surface parking lot site at a prominent intersection in the historic Old Port section of Portland into an 80,000-square-foot, seven-story, 130-room hotel. The owners hired Woodard & Curran, in collaboration with the architect and owner's representative, to provide local land-use/environmental permitting and site-civil engineering design associated with the project.

Because the building site is located within the City's dense urban core, the project required precise planning and engineering to avoid conflicts with the extensive municipal utility infrastructure (storm sewer, sanitary sewers, and combined sewers) surrounding the site, as well as the City's desire to have off-site roadway improvements incorporated into the project. Woodard & Curran's project team successfully engineered the complex connections to the City's entangled municipal utility infrastructure.

Furthermore, private electrical infrastructure that could not be relocated crossed under the site, which required careful attention to design during construction and post-construction to maintain its integrity. Woodard & Curran developed a grading plan to provide accessible (ADA) routes into the hotel while protecting the private utilities.

Managing stormwater through Best Management Practices

The hotel's low-lying building site in Portland had occasionally been prone to flooding. The City of Portland has recently focused on improving its stormwater infrastructure and has been making concerted efforts to reduce pollution from stormwater on local receiving waters. Woodard & Curran was engaged to design and implement systems to manage stormwater quantity and quality at the compact urban site. The firm led negotiations with the municipality regarding acceptable impacts on the City's existing combined sewer overflow (CSO) infrastructure. We designed effective stormwater Best Management Practices, such as to treat the site's stormwater nearest its source.

Despite the accelerated schedule and requirements to minimize site and traffic disruption during construction, Woodard & Curran, working in conjunction with its project partners, was able to keep construction site costs within budget despite the complex challenges and requirements.

The hotel's owners were pleased with team's skillful determination, as the Hyatt Place Hotel opened before a competing hotel. The project was also a recipient of an ACEC Engineering Excellence Honor Award.



Photo: Corey Templeton

Because the building site is located within Portland's dense urban core, the project required precise planning and engineering to make connections to the City's entangled municipal utility infrastructure as well as avoid conflicts with the extensive infrastructure surrounding the site.



Resumes of Key Personnel

“Our people will tell you that while his primary focus is on designing and developing a building that his client envisions, his real talent is making sure that the building "works" operationally for his client.”

-- William L. Caron, Jr.
President, MaineHealth
on Patrick Costin of Canal 5 Studio

PATRICK S. COSTIN, AIA, LEED AP
PROJECT DIRECTOR

Patrick Costin founded Canal 5 Studio, a six person architecture, planning, and interior design partnership, after having led one of Maine's oldest and largest architecture firms. A Registered Architect and LEED Accredited Professional, Mr. Costin has more than 25 years of experience in high performance building design. His projects have received recognition for design excellence from the New England and Maine Chapters of the American Institute of Architects, the U.S. Air Force, the National Association of Commercial Builders, and the Portland Society for Architecture.



Patrick received a Bachelor of Arts in Art History and Philosophy from Lake Forest College, where his undergraduate experience included studying art and architecture in Florence and London. He received a graduate fellowship from the University of Illinois at Chicago, where he earned a Master of Architecture degree. He is a Licensed Architect in Maine, New Hampshire, Vermont, Massachusetts, Connecticut, and Illinois, and a LEED Accredited Professional through the U.S. Green Building Council. He holds a national licensing certification from NCARB, the National Council of Architectural Registration Boards.

Mr. Costin's professional affiliations include the Portland Society for Architecture, where he was a founding member and is past president, the American Institute of Architects, and the Maine Chapter of the U.S. Green Building Council, where he is former board member. He is on the board of Creative Portland, a nonprofit organization that strengthens Portland's creative community by supporting artists and cultural organizations, serving on the Creative Space Committee. He is a past member of the Construction Advisory Board of the University of Southern Maine, Department of Technology.

Representative clients include the following organizations:

- MaineHealth
- Fairchild Semiconductor
- Bates College
- East Brown Cow Realty
- Hospice of Southern Maine
- Devonshire Investors
- L.L. Bean
- RockBridge Capital
- John T. Gorman Foundation
- Portland Ballet
- InterMed
- Consigli Construction
- University of Southern Maine
- New England Ocean Cluster House

JAMES P. GAUTHIER, AIA, LEED AP BD+C
PROJECT MANAGER & ARCHITECT



James Gauthier is a Registered Architect experienced in managing projects from pre-design through post-occupancy. He has a unique grounding in constructability issues: Prior to his training as an architect he worked as a contractor in residential and commercial construction. He is a Certified Construction Specifier (CCS) and Certified Construction Contract Administrator (CCCA). Committed to sustainability, James has been a LEED Accredited Professional since 2005 and is a past Board member and Program Committee chair of the Maine Chapter of the U.S. Green Building Council. He is certified in PassivHaus design, a rigorous international standard for energy efficient buildings.

James earned a Master of Architecture degree from the Boston Architectural College, where he also served as section instructor and thesis critic, and an undergraduate degree in English from the University of Massachusetts at Dartmouth. He is active in the Portland Society for Architecture and a Board member of the Architalx lecture series, where he serves as Chair of the Speaker Selection Committee.

His relevant project experience includes:

- New England Ocean Cluster House, *Portland, Maine*
- Bates College, Office of Intercultural Education, *Lewiston, Maine*
- L.L. Bean Family Governance Suite, *Freeport, Maine*
- Bates College, Chase Hall Renovation, *Lewiston, Maine*
- Portland Ballet Performance Theater, *Portland, Maine*
- John T. Gorman Foundation Offices, Tenant Fit-up, *Portland, Maine*
- Hyatt Place Old Port, *Portland, Maine*
- Maine Medical Center, Library Renovation, *Portland, Maine*
- InterMed, Yarmouth Health Center Campus Renovation & Addition, *Yarmouth, Maine*
- MaineHealth, 110 Free Street, *Portland, Maine**
- TD Bank Call Center (LEED PLATINUM), *Auburn, Maine**
- InterMed, Marginal Way Medical Office Building, *Portland, Maine**

Other Projects:

- Currier Museum of Art (*at Ann Beha Architects*), *Manchester, New Hampshire*
- Kingston Senior Center (*at Catlin Architects*), *Kingston, Massachusetts*

** Project Completed at Harriman*

JESSICA G. JOHNSON, AIA, LEED AP
ARCHITECT

With more than 17 years of experience specializing in the planning and design of complex projects, Jessica Johnson brings a keen balance of planning, design, and management to her role as Project Manager. She is skilled in all phases of project development, from initial programming through to the selection of interior furniture and finishes.

Jessica earned a Master of Architecture degree from Washington University, School of Architecture in St. Louis, Missouri and an undergraduate degree in Art History and Spanish from Bowdoin College. She is a Registered Architect in Maine and Massachusetts and a LEED Accredited Professional. She has taught in the architectural studio program at Boston Architectural College and been an active member and volunteer at Habitat for Humanity and the Women in Design Committee of the Boston Society of Architects.



Relevant project experience includes:

- Fairchild Semiconductor - Space planning and office re-design, *South Portland, Maine*
- Maine Health Cardiology Consolidation - Clinical and Diagnostic Spaces *Scarborough, Maine*
- Hyatt Place Old Port Hotel, *Portland, Maine*
- InterMed, Foden Road Renovations - Urgent Care, Pediatrics & Physical Therapy, Dermatology, Cardiology, *South Portland, Maine*
- Maine Medical Partners Primary Care Medical Home, *Scarborough, Maine*
- InterMed, Yarmouth Health Center Campus Renovation & Addition *Yarmouth, Maine*
- MaineHealth, Revitalization of 110 Free Street into New Headquarters *Portland, Maine**
- Maine Heart Surgical Associates, Medical Office Building *Portland, Maine**
- Bayco Development Corporate Headquarters Building, *Portland, Maine**
- Veterans Administration Medical Center, Women's Health Clinic *Manchester, New Hampshire**
- Veterans Administration Center, MRI Addition, *Augusta, Maine**
- InterMed, Marginal Way Medical Office Building, *Portland, Maine**

* Project Completed at Harriman

TIMOTHY R. HART, AIA, LEED AP
ARCHITECT

Timothy Hart is a senior architect with extensive experience in programming, design and management. His experience includes project management, project programming, conceptual design, design development, 3-D modeling, building code and life safety design and the skillful execution of integrated construction documents.

Tim earned a Master of Architecture degree from Virginia Polytechnic Institute and State University, as well as a Bachelor of Science in Business Administration from California Polytechnic State University at San Luis Obispo. He is a Registered Architect in the state of Maine and also holds certification from the National Council of Architectural Registration Boards (NCARB).

Tim is a LEED Accredited Professional for Building Design & Construction and an active member of the American Institute of Architects and Portland Society for Architecture.

His relevant project experience includes:

- Office Building, *Milford, Massachusetts*
- Backyard Farms, Research & Development Building, *Madison, Maine*
- Zero Canal Plaza, Urban Redesign and Courtyard Addition, *Portland, Maine*
- Hyatt Place Old Port, *Portland, Maine*
- InterMed, Yarmouth Health Center Campus Renovation & Addition
Yarmouth, Maine
- Hospice of Southern Maine, *Scarborough, Maine*
- University of Southern Maine, New 300-bed Dormitory (LEED Gold)
*Gorham, Maine**
- University of Southern Maine, John Mitchell Center (LEED Gold)
*Portland, Maine**
- MaineHealth, Revitalization of 110 Free Street into New Headquarters
*Portland, Maine**
- Maine Medical Center Research Institute, *Scarborough, Maine**
- Maine Heart Surgical Associates, Medical Office Building, *Portland, Maine**
- Franklin Community Health Network, Medical Office Building
*Farmington, Maine**



* Project Completed at Harriman

LODRYS GOMEZ
INTERIOR & ARCHITECTURAL DESIGN

Lodrys Gomez is a skilled designer who leads the integration of architecture and interiors for Canal 5 Studio. An experienced craftsman and woodworker, Lodrys brings a keen sensibility to interiors that are both aesthetically and functionally balanced.

His project development experience ranges from early program visualization through to the detailed execution of custom millwork fabrication. Lodrys earned a Bachelor of Fine Arts degree in Interior Design from the Parsons School of Design.

His relevant project experience includes:

- Office Building , *Milford, Massachusetts*
- Maine Health Cardiology Consolidation - Clinical and Diagnostic Spaces
Scarborough, Maine
- Bates College, Chase Hall Renovation, *Lewiston, Maine*
- Backyard Farms, Research & Development Building
Madison, Maine
- Zero Canal Plaza, Urban Redesign and Courtyard Addition, *Portland, Maine*
- InterMed, Yarmouth Health Center Campus Renovation & Addition
Yarmouth, Maine
- John T. Gorman Foundation Offices, Tenant Fit-up, *Portland, Maine*
- Hyatt Place Old Port, *Portland, Maine*
- Maine Medical Partners Primary Care Medical Home, *Scarborough, Maine*
- Fairchild Semiconductor, *South Portland, Maine*
- Bates, Office of Intercultural Education, *Lewiston, Maine*
- L.L. Bean Family Governance Suite, *Freeport, Maine*
- MaineHealth, Revitalization of 110 Free Street into New Headquarters
*Portland, Maine**
- University of Southern Maine, New 300-bed Dormitory (LEED Gold)
*Gorham, Maine**
- InterMed, Marginal Way Medical Office Building, *Portland, Maine**
- Bayco Development Corporate Headquarters Building
*Portland, Maine**
- Westbrook Medical Office Building, New Building & Tenant Fit-Up
*Westbrook, Maine**



** Project Completed at Harriman*



Michael Boucher | RLA, Principal in Charge

Michael leads the studio and will act as the primary client contact for all projects. He is responsible for all aspects of design and team oversight, and works closely with clients, collaborators, our project manager and team members throughout the process.

Michael has practiced landscape architecture for over thirty years. His applied experiences include the study of diverse regions and climates; understanding the fundamental aspects of the landscape and its implications for design within various project types and scales. Michael has led project teams in the planning and design of landscapes for public and private universities, schools, parks, museums, churches and residential properties, as well as many specialized land development projects.

EDUCATION

Harvard Graduate School of Design
Harvard University
Cambridge, Massachusetts
Master of Landscape Architecture 1985

University of Massachusetts
Amherst, Massachusetts
Bachelor of Science, cum laude
Environmental Design 1981

University of Maine
Orono, Maine
Associate in Science,
Plant & Soil Technology 1979

PROFESSIONAL REGISTRATION

Michael is CLARB certified and a registered landscape architect in fourteen US States.

PREVIOUS EXPERIENCE

Prior to founding the firm in 1994, Michael worked as project manager and Associate in several well-known design and planning offices in Cambridge, Massachusetts, Seattle, Washington and southern Maine.

ACADEMIC POSITIONS

Massachusetts Institute of Technology
Department of Architecture
Cambridge, Massachusetts
Visiting Studio Instructor
Studio Consultant
Thesis reader
1996 - 2005

STUDIO CRITIC

Arizona State University
Boston Architectural Center
Bowdoin College
Harvard Graduate School of Design
Massachusetts Institute of Technology
University of Arkansas, Fayetteville
University of Maine, Orono and Augusta
University of Washington, Seattle

Greg Day Lighting



100 Front St 3rd Flr Bath ME 04530 419 Lafayette St 2nd Flr New York NY 10003 gregdaylighting.com

Resume

GREG DAY IALD, IESNA, LC

PROFESSIONAL

- 1992 – pres. **Greg Day Lighting** Bath, Maine
New York, New York
Owner; Principal Lighting Designer
- 2008 - 2011 **DayMatero studio** Bath, Maine
A collaboration of Light and Architecture between Greg Day Lighting
and David Matero Architecture.
Partner
- 1988 – 1991 **ATA Architects & Engineers** Mansfield, Connecticut
Architectural engineering firm.
Hired to create lighting design department
- 1986 – 1988 **Gary Gordon Architectural Lighting** New York, New York
Award winning Commercial and residential lighting design firm.
Lighting designer for numerous residential and commercial projects

EDUCATION

- 1991 **University of Kansas** Lawrence, Kansas
BArch Architecture (honors)
- 1987 BS Architectural Engineering (honors)
- 1987 **Shelter Institute** Bath, Maine
Program For House Design & Construction

AWARDS

2011 Boston Perspective On Design Award
Besal Award for the Study of Architectural Lighting
Ludwig Vogelstein Foundation Grant for the Study of Lighting in Painting
Phi Alpha Epsilon Engineering / Tau Sigma Delta Arch. Honor Societies

PUBLICATIONS AND TEACHING

The New York Times, "Currents" 15 January 2009
Down East Magazine: February, 2010; October, 2011
Maine Home + Design: March '08; March '09; Sept '10; Nov '10; Nov '11
Lecturer on Lighting Design, Univ. Me Augusta Arch. School, 2010, 2011
Illustrations, *Interior Lighting for Designers* by Gary Gordon, Wiley & Sons
Illustrations, "Lighting Design" Chapter in *Encyclopedia of Architecture*,
Wiley & Sons

Electrical Engineer/Principal LEED AP

Catherine A. Faucher P.E. is President and Chief Electrical Engineer at Allied Engineering. In addition to her experience in new construction and renovations for power supply and distribution, lighting and system controls, Cathy has been heavily involved in the design of Technology Systems. This specialized area concentrates on the design of data/voice and other lower voltage wiring and components. Ms. Faucher has attended numerous courses and seminars in this field and supervises technical staff with RCDD credentials. Cathy is also a **LEED™** (Leadership in Energy and Environmental Design) Accredited Professional.



Work Related Experience

- Portland Public Library, Portland, ME
- Wells Public Library - Wells, Maine
- Bangor Public Library - Bangor, Maine
- UNE Library, Westbrook College, Portland, ME
- Episcopal Church of St. Mary the Virgin - Church Renovation/Addition - Falmouth, Maine
- Emery Arts Center, UMF, Farmington, ME
- Maine College of Arts - Portland, ME
- Farnsworth Art Museum, Rockland, ME
- Cumston Hall Addition/Renovation, Monmouth, ME
- Coastal Maine Botanical Gardens New Education Center, LEED Platinum Project
- The Jackson Laboratory High Seas Mansion - Bar Harbor, Maine
- Colby College Alumni Center, Waterville, ME
- Berklee College of Music, Boston, MA
- UNE, Proctor Hall, Portland, ME
- Thomas College Auditorium, Waterville, ME

Education, Registration, and Affiliation

University of Maine - Orono - B.S. Electrical Engineering - 1987

Registered Professional Electrical Engineer (NCEES) - ME, MA

Institute of Electric and Electronics (IEEE)

National Association of Electrical Inspectors

Illuminating Engineering Society (IES)

LEED™ (Leadership in Energy and Environmental Design) Accredited Professional

**Mechanical Engineer/Principal
LEED AP BD+C**

Ian A. MacDonald, P.E. is a leader in designing complex HVAC and plumbing systems for large municipal/government, correctional, healthcare, commercial and educational buildings. During his career of over twenty years, his work has included buildings for medical, institutional, commercial, and industrial uses throughout New England. Ian is an energy saving and green design expert. He is experienced in both traditional Design/Bid and Design/Build construction delivery methods. Ian's early experience with equipment sales and installation provides him with a practical viewpoint gained from field experience with many operating systems. He completed the ASHRAE Professional Development Course on Building Commissioning and is a **LEED™** Accredited Professional.



Work Related Experience

- Falmouth Memorial Library - Falmouth, Maine
- Church of Saint Mary the Virgin - Falmouth, Maine
- Swans Island Library
- Portland Public Library/Rines Auditorium- Portland, Maine
- Wells Public Library - Wells, Maine
- Bangor Public Library - Bangor, Maine
- Bates College Ladd Library Assessment - Lewiston, Maine
- Bowdoin College Walker Arts Museum
- Colby College Alumni/Development Center, Waterville, Maine

Education, Registration, and Affiliation

University of Maine - B.S. in Mechanical Engineering Technology – 1984
Northeastern Univ. - Advanced Studies in Construction Law and Auto Temp. Controls
Registered Professional Engineer – ME, NH, VT, RI, NY, and MA
Member - American Society of Heating, Refrigeration and AC Engineers (ASHRAE)
Member – American Society of Healthcare Engineers (ASHE)
Member - Maine Indoor Air Quality Council
ASHRAE Certified Healthcare Facility Design Professional.
LEED™ (Leadership in Energy and Environmental Design) Accredited Professional

Presentations

- MIAQC - Fresh Air: Optimal HVAC Management for Improved Health, 2013
- MEREDA Deep Energy Retrofits, 2011 (Coastal Maine Botanical Gardens)
- ISANNE Fall 2010 Presentation Sustainable Preservation
- NNECERAPPA 2010 - Geothermal Heating and Cooling (Colby College Schair-Swenson Watson Alumni Center)
- ASHRAE 90.1 HVAC Revisions, 2003 and 2006

Paul B. Becker, P.E., SECB President

As the founder of Becker Structural Engineers, Paul has over thirty five years of structural engineering experience in New England and the Mid-Atlantic States. His technical experience covers all aspects of the structural engineering profession including complex building systems using steel framing, cast in place, precast and post-tensioned concrete, deep foundation support systems, earth retaining structures, masonry and timber framing. He has extensive experience in, industrial and commercial expansions, concrete restoration, parking structures, failure investigations, value engineering, construction monitoring, and structural evaluations including material testing. His project experience includes commercial, industrial, municipal and educational facilities. He is an expert in historic restoration, adaptive reuse and the stabilization of historic structures as well as upgrading existing structures for current code seismic requirements. He has served as lead design engineer and project manager, responsible for establishing and monitoring schedules, budgets and quality control on projects with construction costs of up to \$50 million. As Principal in Charge of a project, he collaborates with the client and project team to establish the project scope, schedule and contracts and monitors the progress and quality of work. As President of Becker Structural Engineers, he is responsible for providing the company vision, setting goals and driving results by creating an atmosphere of engagement, communication and service throughout the firm. His understanding, appreciation and leadership in the integration of structure and architecture has been the cornerstone of our firm's strength. He currently serves on the ACEC Legislative Committee and a trustee of Maine Preservation. He previously served as a Board Member of the State of Maine Technical Building Codes and Standards Advisory Board from 2008 to 2012.



EDUCATION

University of New Hampshire,
 Master of Science, 1989, Structural Engineering
 Pennsylvania State University,
 Bachelor of Science, 1980, Civil Engineering

PROFESSIONAL REGISTRATION

Registered Professional Engineer in the States of Maine (#6554), Massachusetts (#39009), New Hampshire (#6258), New York (#86255) Vermont (#7773), Georgia (#033280), Connecticut (#20725), Rhode Island (#9067), Ohio (#74529), Certified in the Practice of Structural Engineering (#2285-0708)

PROFESSIONAL ASSOCIATIONS

ACEC Legislative Committee
 American Concrete Institute
 American Institute of Steel Construction
 American Society of Civil Engineers
 Board Member of Maine Preservation
 Structural Engineering Association of Maine

Ethan A. Rhile, P.E.
Associate

Ethan joined BSE in September of 2001 after practicing structural engineering in the Mid-Atlantic States. He has extensive experience in the design of multiple story commercial office buildings and industrial facilities, with several projects eclipsing 250,000 square feet. He has served as a Project Manager, responsible for the technical design, quality control, budgeting, and construction administration for building projects up to ten stories in height, with construction budgets up to \$60 million. Additionally, Ethan has been involved with highway bridge design and inspection, with inspection experience on multilane bridges with up to 26 spans. His background includes specialty field evaluation of existing parking structures, train bridge analysis, airport building design and hangar structure repair, timber framing systems, construction shoring, and retaining walls. He has an in-depth knowledge of computer software packages including STAAD-III, SAPP 2000, RISA 3D, RAM Elements, RAM Structural System, SP Mats, AutoCAD and Revit.



EDUCATION	Pennsylvania State University, Bachelors of Science, 1996, Civil Engineering
PROFESSIONAL REGISTRATION	Registered Professional Engineer in the State of Maine (#10266) Commonwealth of Pennsylvania (#057589)
PROFESSIONAL ASSOCIATIONS	American Institute of Steel Construction Structural Engineers Association of Maine

BARRY SHEFF, PE

PRINCIPAL CIVIL ENGINEER



Professional Profile

Barry is a Senior Vice President and Senior Project Manager with more than 20 years experience working on infrastructure and urban site development projects from planning to implementation. He is responsible for design and project management, with expertise engaging and facilitating stakeholder processes. His project work has involved green infrastructure; master development planning and site design; and environmental/land-use permitting. Barry focuses his work on sustainable environmental design and is committed to collaborating with owners and stakeholders to develop practical solutions to complex problems. He has been involved in numerous projects with high-performance buildings and LEED certification and was recently a member of a national ASCE/EWRI task force evaluating green infrastructure in street/highway applications. Barry has strong cost estimating experience, a track record of understanding client expectations, consistent budget controls and excellent communication skills that enable him to drive the success of small and large projects of varying complexities.

Related Experience

University of Southern Maine – Portland Campus Master Plan. Supported the efforts of an architectural/engineering firm in preparation of the University's Master plan entitled "Vision 2020." Barry led the work assessing utility infrastructure and capacity; pedestrian and vehicular circulation patterns around the campus; relationships between the University's privately owned and operated infrastructure and the City and Portland Water Districts publicly owned infrastructure; as well as land-use/environmental permitting constraints analysis work.

Bates College Pettigrew Hall Site Improvements, Lewiston ME. We redesigned the Alumni Walkway, a signature path on campus to achieve ADA accessibility to Pettigrew Hall. The project blended existing landscape and hardscape features with this new accessible access to the building. We worked with the City of Lewiston, as the permitting agency, under its delegated review authority to exempt the project from Site Plan or Site Law Modification permits.

University of Southern Maine Community Education Center and Parking Garage, Portland ME. Project Manager/Civil Engineer responsible for site and utility design of a 1200-car parking garage and LEED Gold certified 500-seat lecture hall, and 15,000-SF office classroom building.

University of Southern Maine University Commons Portland ME. Project Manager and Civil and Environmental Engineer for the redevelopment of formerly commercial and industrial properties into a multi-story academic building to house the Wishcamper Center for the Muskie School of Public Service & Osher Life Long Learning Institute (LEED Gold), and an addition to the existing Osher Map Library (LEED Silver) with associated surface parking, pick-up and drop-off, site and utility improvements. Key site elements included biofilters/rain gardens, tree-box filters, porous asphalt pavements, and vegetated roofs.

City of Portland, ME – Ocean Gateway Master Plan. Project Engineer for preparing a 20-year Master Plan of the redevelopment of a 19.5-acre ship repair facility to a multi-use marine transportation facility on Portland's waterfront. The Master Plan set a course to con-

Education

- Bachelors, Civil / Environmental Engineering, University of Vermont

Registrations

- NCEES License - National
- Professional Engineer

Professional Associations

- American Society of Civil Engineers
- American Society of Civil Engineers, Maine Section
- American Society of Civil Engineers, Environmental & Water Resources Institute - Green Streets and Green Highways Committee
- Order of the Engineer
- New England Water Environment Association
- Water Environment Federation

vert the generally industrial east end of the Portland waterfront, including the Maine State Pier and Casco Bay Island Ferry's facilities, into a world class, international passenger facility in Portland Harbor. Considerations for cruise ships, international and intra-harbor ferry service, customs and immigration services, landside passenger transportation, international high-speed ferry service, public and private berthing, commercial vessels, and fire and rescue vessels for the islands were addressed and incorporated into the Master Plan.

City of Rockland, ME – Infrastructure Master Plan for the Tillson District /

Waterfront Area. Project Manager for the preparation of the City's Master Plan for the waterfront area of the City. The project involved the analysis of capacity of street and sidewalk systems and public utilities, including water, sewer, electric, natural gas, phone and internet; analysis of build-out capacity under current and proposed zoning, and infrastructure needs to service such build-out, including transportation, parking, public utilities, and municipal services; development of technical standards for street and sidewalk systems, including road and sidewalk widths, curbs, and turning radii; prioritization, phasing, and cost estimates/forecasts for infrastructure needed to support full build-out; and a written report with presentation of findings and recommendations.

City of Portland, ME – Bayside Master Plan. Civil Engineering Project Manager on a multi-consultant team to assist with the urban redevelopment of the 7-acre railyard parcels in the City's Bayside neighborhood. The project work resulted in the City's Master Plan Study for City-Owned Parcels as well as permitting, design and construction documents for the recommended first phase of the Master Plan implementation. A dominant portion of the first phase of the project encompassed the 700-space parking garage and accompanying municipal infrastructure to support the development. We assessed the need for utility upgrades and/or extensions, as well as potential stormwater impacts and capacity. Woodard & Curran coordinated the survey, geotechnical engineering, and transportation/traffic engineering team members, and incorporated all engineering and architectural disciplines into the site/civil drawings, as well as designing the necessary utility connections, and site and off-site improvements.

CPB2 LLC, Portland ME – 58 Fore Street Master Plan Civil Engineering.

Principal-in-Charge assisting with the master planning for the redevelopment of the 10-acre Portland Company Complex on the City's eastern waterfront. As part of this effort to complete the Master Plan for the redevelopment of the site, we assessed the existing public and private utility infrastructure serving the site and adjacent area, as well as supporting the master planning architect's work establishing the vision for the property.

University of Massachusetts Liquefied Natural Gas Facility, Amherst MA.

Project Manager for the site/civil engineering and land-use/environmental permitting, and construction phase engineering associated with the development of a temporary Liquefied Natural Gas (LNG) facility at the UMass Amherst Campus. The project provides 24,000 gallons of on-site mobile LNG storage capacity and vaporization to feed the university's central heating plant (CHP). This fast-track project was completed from feasibility study through construction to full operation feeding gas to the CHP in less than 6-months, for peak-shaving purposes.



Accuracy you can build on.

Kyla Magnusson
Lead Estimator

EDUCATION

Clarkson University, *Bachelor of Science* 2006

PROFESSIONAL AFFILIATIONS

- American Society of Professional Estimators, Maine Chapter Secretary
- National Association of Women in Construction, Maine Chapter
- Portland Society for Architecture

RELEVANT PROJECT EXPERIENCE

Merrimack County Courts, Planning Study – Concord, NH – Evaluation of multiple options for new Superior Court, Probate Court, and Trial Court space. Options included new buildings, additions to existing buildings, and renovations to existing buildings. Developed multiple detailed estimates based on early conceptual level documents. ~ \$37M

Central MA Special Education Collaborative, Consolidation – Worcester, MA – Renovation of an existing 100,275 sq. ft. facility to house six programs for Central MA Special Education within one facility. Included renovation to existing occupied school space as well as turning existing warehouse space into academic space. Developed a detailed competitive estimate for the Construction Manager to use in their proposal submission. ~ \$20.6M

Colby College, Planning Study – Waterville, ME – Evaluated multiple options for new housing and administration space including new buildings and additions to existing buildings. Multiple building sites were also considered. ~ \$30M

Gill St. Bernard's School, Fitness Center & Natatorium – Gladstone, NJ – New construction of 28,685 sq.ft. Fitness Center. Project consisted of a gymnasium, indoor Olympic sized pool, locker rooms, training rooms, and common space for the private high school. Developed detailed conceptual estimates for multiple design/layout options and phasing options. ~ \$10M



University of Maine, Aubert Hall Renovations – Orono, ME – Cost study of renovations to multiple chemistry laboratories with breakout spaces and a 200-seat lecture hall. Developed individual detailed conceptual estimates for each laboratory/space as requested to allow for a more efficient scope of work selection process for the owner. This allowed the owner to select which spaces to fit into the current year's budget. ~ \$5.9M

Bates College, Garcelon Student Housing – Lewiston, ME – New construction of three housing buildings totaling 105,000 sq. ft. and 280 beds. Included replacement and extension of site infrastructure adjacent to the site. Developed schematic and design development estimates and lead an extensive value management exercise with the design team. ~ \$28M

Thomas A. Errico, PE

Traffic Engineering Director

Total Years' Experience:

TYLI: 16 Total: 29

Registrations:

Registered Professional Engineer in
Maine (6618), 1990;
Vermont (6321), 1992;
New Hampshire (10096), 1999;
Massachusetts (37701), 1993;

Certifications:

Certified Maine DOT
Locally Administered
Project Manager

Academic Achievements:

M.S., Civil Engineering,
Northeastern University,
Boston, Massachusetts,
1996

B.S., Civil Engineering,
Northeastern University,
Boston, Massachusetts,
1985

Awards:

"2013 Transportation
Engineer of the Year" –
Institute of Transportation
Engineers (New England
Section)

"2015 Distinguished
Service Award" – Institute
of Transportation
Engineers (New England
Section)

Professional Activities:

Workshop Instructor for
The National Complete
Streets Coalition;

Member, Institute of
Transportation Engineers
(ITE), 1997-Present;

Thomas Errico joined T.Y. Lin International as a senior associate and New England Traffic Engineering Director. Tom has served as Project Manager/Lead Traffic Engineer for a variety of design and study projects for municipal and state agency clients throughout New England. Named "2013 Transportation Engineer of the Year" by the New England section of the Institute of Transportation Engineers, Tom is passionate about his work and dedicated to increasing the livability and mobility access for all users in cities and towns across New England. Tom's background in traffic engineering includes access management, corridor studies, traffic operations studies, pedestrian studies, parking studies, safety evaluations, and traffic impact studies. He has significant experience in designing traffic signals, developing and maintaining traffic plans, and determining intersection and roadway design requirements for highway projects, including auxiliary lanes, bicycle and pedestrian facilities, signing, and traffic control. Project experience relevant to this proposal includes:

State Street/High Street Two-Way Feasibility Study, Portland, ME – City of Portland. Project Manager for the feasibility study of converting State and High Streets to two-way between the Casco Bay Bridge and I-295. Work includes conducting traffic counts, developing a simulation model and assessing traffic mobility on both roads following the change. In addition, a review of on-street parking impacts and intersection geometry conditions following the conversion will be evaluated.

Bayside Transportation Master Plan, Portland, ME – PACTS/City of Portland. Project Manager developing transportation recommendations for this rapidly developing mixed-use area of the City. A key part of the study is evaluating the conversion of Preble and Elm Streets from their one-way configuration to two-way flow.

21st Century Downtown Master Plan, North Windham, ME – Town of Windham. Project Manager/Lead Traffic Engineer for the development of the 21st Century Downtown Master Plan. The plan's purpose was to develop a comprehensive vision for transportation improvements in North Windham. *The plan was awarded "2014 Plan of the Year" by the Maine Association of Planners.*

Route 100 Vision Plan, Falmouth, ME – Town of Falmouth – Lead Transportation Engineer for the development of a Complete Streets Vision Plan for the Route 100 area from the Portland City Line to the Cumberland Town line.

Complete Streets Design Training Initiative, Statewide, MA – University of Massachusetts. Project Manager responsible for the development and delivery of approximately 80 training workshops throughout the state of Massachusetts. The workshops attendees will include MassDOT engineers, consultants, and municipal staff.

Director of the New England Section, ITE 2010 - Chair of the NEITE Technical Committee;

Member, Institute of Transportation Engineers (ITE), 1997-Present;

Director of the New England Section, ITE 2010;

Institute of Transportation Engineers (ITE),

National Committee Member on publishing a Report on Current Practices on Pavement Markings and Signing at Crosswalks, 2010;

Member of the National Complete Streets Council

Member of the Association of Pedestrian and Bicycle Professionals

Anderson Street Neighborhood By-Way Project, Portland, ME – City of Portland. Project Manager designing improvements that incorporate improved bicycle, pedestrian and streetscape enhancements between Fox Street and Plowman Street.

Safety Improvement Project Located on U.S. Route 302, Bridgton, ME – MaineDOT. Project Manager providing oversight of all design work. TYLI provided preliminary and final design of proposed improvements that will consist of a continuous two way left turn lane with median islands for traffic calming. This section will also include a pavement overlay.

Route 302 Improvements, Westbrook, ME – MaineDOT. Project oversight for proposed roadway improvements will consist of either the construction of left-turn lanes (Route 302) with flashing beacon or a roundabout at the Route 302/Hardy Road/Duck Pond Road intersection in Westbrook. TYLI's Alternatives Analysis will determine the preferred option for consideration. The project design is on hold as the local municipality is considering funding constraints.

Route 1/Route 27 Intersection Improvement Project, Wiscasset, ME – MaineDOT. Project Manager currently designing improvements that will install Wiscasset's first traffic signal and construct new sidewalks and crossing provisions in the downtown village.

Main Street and Turner Street Pedestrian Improvements, Auburn, ME Lead Traffic Engineer for preparation of design plans associated with relocating and enhancing the existing crosswalk on Main Street and providing a new crosswalk on Turner Street to the YMCA.

Court Street Pedestrian Improvements, Auburn, ME Lead Traffic Engineer for the identification and design of improvements related to the River Trail and providing connectivity to the Downtown. Key design elements included revising signal phasing and timing, modifying intersection geometry to provide shorter and safer pedestrian crossings, and implementing enhanced crosswalk markings.

Route 1 Multi-Use Path / Road Diet Project, Yarmouth, ME – Town of Yarmouth. Traffic Engineer designing roadway and intersection improvements following the extension of the Beth Condon Path, including removing of a Route 1 southbound travel lane. Conducted traffic analysis in support of a lane reduction on Route 1 to accommodate the design and construction of a multi-use path. Close coordination and approval by MaineDOT was required.

Park Avenue / St. John Street Road Diet Projects, Portland, ME – MaineDOT. Project Manager responsible for design improvements which implemented bicycle lanes and other bicycle facility enhancements on these two urban streets. Work included preparing design plans and specifications that met City of Portland standards and accepted by MaineDOT.

Route 9 Traffic Calming Improvements, Biddeford, ME – MaineDOT. Project Manager for the preliminary and final design of traffic calming measures along Route 9 associated with the University of New England's (UNE's) expansion. Scope included provision of sidewalks, gateway islands,



Schedule

"Managing two clients with some common, and a few cross purposes on the same project is a challenge that many architects could not manage. Your team did an excellent job at it!"

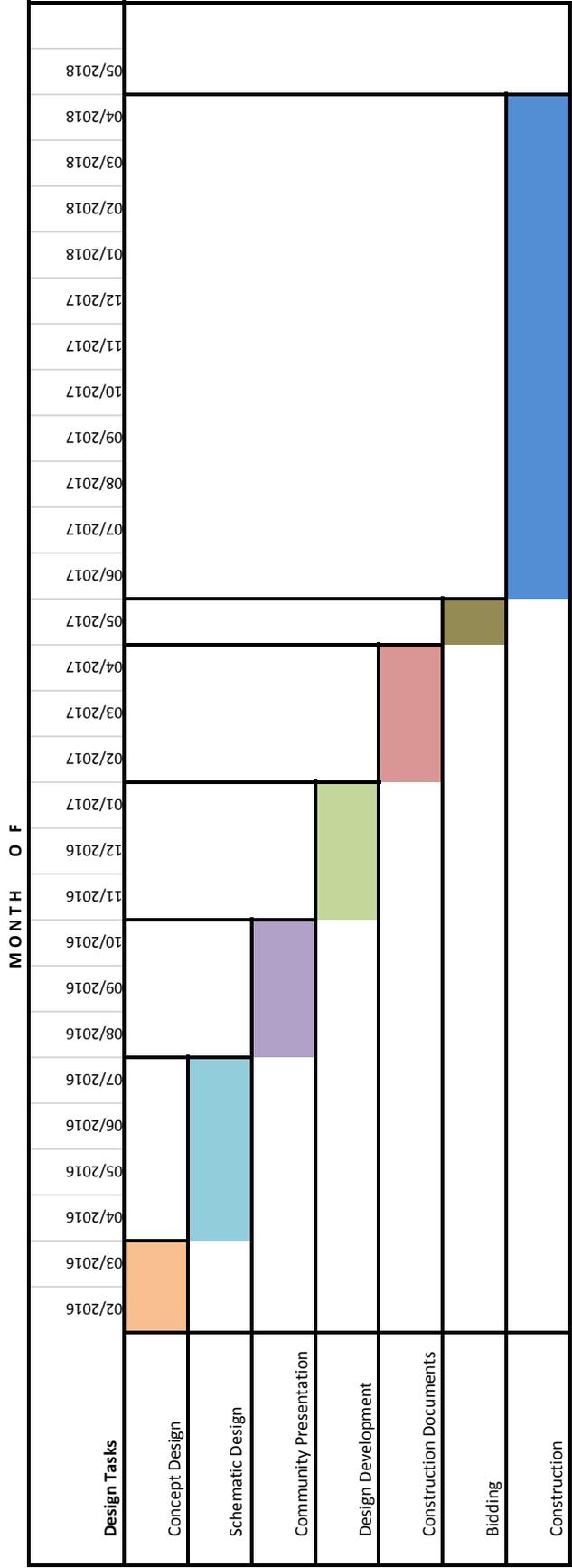
Many thanks for another successful project with Canal5Studio."

*Phil LaClaire
PML Project
Management, Inc*

Schedule

The schedule below shows a general outline of design and construction phases. This schedule can be adapted and refined as need be as scope and process are more thoroughly defined. C5S can adapt to an accelerated or decelerated schedule as benefits the project. Often the ability of the design team to accelerate the schedule is dependent upon the client's ability to make timely decisions on budget and scope.







References

“It was such a pleasure to have Patrick Costin and James Gauthier come to the space and align our vision with their keen eye for space, light, color, and ambiance.”

-- Eugenia L. O'Brien
Artistic Director
Portland Ballet

C5S References

Bill Caron

President
MaineHealth
(207) 661-7001
caronw@mainehealth.org

Shawn Gorman

Chairman of the Board
L.L. Bean
(207) 552-2287
sgorman@llbean.com

Tony Cipollone

President & CEO
John T. Gorman Foundation
(207) 518-86784
tony.cipollone@jtgfoundation.org

David Thomas

Project Executive
Consigli Construction CO., Inc.
(207) 7912-2502
dthomas@consigli.com

Pam Wichroski

Director of Capital Planning and Construction
Bates College
(207) 786-6212
pwichros@bates.edu

Phil LaClair

President
PML Project Management
(603) 313-5500
phil@pmlprojectmanagement.com

Tim Soley

Owner and President
East Brown Cow
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tsoley@eastbrowncow.com

Fred Franz

Senior Director/Global Real Estate
Fairchild Semiconductor
(408) 822-2250
fred.franz@fairchildsemi.com



Appendices

“With each of our projects, Patrick has taken the project lead in conjunction with our contractor. He understands well the need to complete a project on time and on budget and has not disappointed us.”

*William L. Caron, Jr.
President, MaineHealth*

2016 Hourly Rate Schedule:

- Principal _____ \$175
- Senior Architect _____ \$140
- Project Manager _____ \$140
- Project Architect _____ \$120
- Senior Designer _____ \$100
- Intern / Designer _____ \$80
- Support Staff _____ \$60

Request for Taxpayer Identification Number and Certification

**Give Form to the
 requester. Do not
 send to the IRS.**

Print or type
 See Specific instructions on page 2.

	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. Canal 5 Studio, LLC	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification; check only one of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ <u>P</u> <small>Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner.</small> <input type="checkbox"/> Other (see instructions) ▶	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <small>(Applies to accounts maintained outside the U.S.)</small>
	5 Address (number, street, and apt. or suite no.) One Canal Plaza, Suite 888	Requester's name and address (optional)
	6 City, state, and ZIP code Portland, ME 04101	
	7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number										
or										
Employer identification number										
2	7		-	4	5	4	0	8	4	0

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here	Signature of U.S. person ▶	Date ▶ _____
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
 - Form 1099-C (canceled debt)
 - Form 1099-A (acquisition or abandonment of secured property)
- Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.
- If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.
- By signing the filled-out form, you:
1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
 2. Certify that you are not subject to backup withholding, or
 3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
 4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.



CANA5ST-01

SNASON

CERTIFICATE OF LIABILITY INSURANCEDATE (MM/DD/YYYY)
3/13/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Clark Insurance 2385 Congress Street Portland, ME 04104	CONTACT NAME: Susan Nason
	PHONE (A/C, No, Ext): (207) 523-2236 FAX (A/C, No): (207) 774-2994
	E-MAIL ADDRESS: snason@clarkinsurance.com
	INSURER(S) AFFORDING COVERAGE
	NAIC #
INSURED Canal 5 Studio 1 Canal Plaza Suite 888 Portland, ME 04101	INSURER A: Peerless Indemnity
	INSURER B: Maine Employers Mutual
	INSURER C: XL Specialty Insurance Co
	INSURER D:
	INSURER E:
	INSURER F:

COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:		<input checked="" type="checkbox"/>	BOP6142605	03/15/2015	03/15/2016	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			BOP6142605	03/15/2015	03/15/2016	COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Included in GL \$ 2,000,000
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED: RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		<input type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> A	1810101787	03/18/2015	03/18/2016	<input checked="" type="checkbox"/> PER STATUTE <input checked="" type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Prof Liability			DPS9722465	03/15/2015	03/15/2016	Each Claim 1,000,000
C	Deductible - \$10,000			DPS9722465	03/15/2015	03/15/2016	Aggregate 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

For Professional Liability coverage, the aggregate limit is the total insurance available for all covered claims presented within the policy period. The limit will be reduced by payments of indemnity and expense.

The hired & non-owned auto liability limit shown is not a separate limit. It is included in the general liability limit of \$2,000,000.

Consigli Construction Company, Inc. and Sebago Technics are named as additional insureds, on a primary & non-contributory basis, when required by written contract, when executed prior to any loss, with regards to general liability arising out of the ongoing operations of the insured. Project: Consigli Office Building - Design Services

CERTIFICATE HOLDER**CANCELLATION**

Consigli Construction Co., Inc. 15 Franklin Street Portland, ME 04101	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

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APPENDIX A**ARCHITECT FIRM CONTACT INFORMATION**

The undersigned declares that the signer of this proposal is:

INDIVIDUAL doing business as: _____

PARTNERSHIP doing business as: Canal 5 Studio, LLC

CORPORATION entitled: _____

Organized under the laws of the State of Maine having its principal office at:
Portland, Maine



Patrick S. Costin, AIA. Principal

Authorized Signature

Printed Name and Title of Authorized
Signer

Canal 5 Studio

Patrick S. Costin, AIA. Principal

Firm or Corporate Name

Contact Name and Title

One Canal Plaza, Suite 888

PCostin@canal5studio.com

Street Address

E-mail Address

Portland, ME 04101

207.553.2115 x104

City/Town, State, Zip Code

Telephone Number

February 7, 2016

Date Signed

Fax Number

Respondent is required to provide the Town with a completed and signed W-9 form. Additional insurance information will be required by the Town upon award of contract.

APPENDIX B**ARCHITECT FIRM REFERENCES**

REFERENCES: Three (3) Professional References with name, address, telephone number, and e-mail address:

Reference Number One	
Name	Bill Caron, President, MaineHealth
Address	110 Free St., Portland, ME 04101
Telephone Number	207-661-7001
E-Mail Address	caronw@mainehealth.org
Reference Number Two	
Name	Tony Cipollone, President & CEO, John T. Gorman Foundation
Address	One Canal Plaza, Suite 800
Telephone Number	207-518-6784
E-Mail Address	tony.cipollone@jtgfoundation.org
Reference Number Three	
Name	Pam Wichroski, Director of Capital Planning and Construction, Bates College
Address	147 Russell St., Lewiston, ME 04240
Telephone Number	207-786-6212
E-Mail Address	pwichros@bates.edu

APPENDIX C**CONFLICT OF INTEREST FORM**

Pursuant to conforming with the intent of Charter Town of Rockport Article VIII § 4; *Conflict of Interest* and for the purposes of determining any possible conflict of interest in that regard, all bidders/vendors/agencies must disclose if any elected officials, appointed officials, or employees of the Town of Rockport are owners, corporate officers, majority stockholders, or employees of the bidding business or corporation.

Please indicate either “Yes” if any of the above statement pertains to you or “No” if it does not.

YES _____
NO X

If “Yes”, please fill in the information below stating the name of the individual and position held with the Town:

NAME(S)	POSITION(S)

Authorized Signature:  _____

Printed Name: Patrick S. Costin,

Position: Principal

Date: February 7, 2016