# TOWN COUNCIL

## AGENDA REQUEST

*** Please note Public Notices need a 7-14 day advance notice in the paper depending on subject.**

| Council Meeting Date: 07/20/2015 | Today's Date:07/14/2015 |
|---|---|
| Department: Economic Development | |
| Department #: 0105 | |

**Request: To award/not award the contract for engineering services to come up with a cost to renovate the Court House for use as a Municipal Office building per State and local codes to CES for the contract price $37,000.00. Funds to come from Unappropriated Fund Balance.**

**Background;**

**We received three bids: Ames in the amount of $17,260.00**
**CES in the amount of $37,000.00**
**Fraser Associates in the amount of $37,170.00**

**A comparison spread sheet will be provided by Bruce Arnold and Roger Ryder for your consideration in your Friday packet.**

**The plan is for this concept to go for voter approval in November. The financing is proposed as a lease to own; including building improvements to be paid through TIF funds. An engineering report on cost to renovate is not a qualified expenditure under TIF. If the referendum passes, these costs can be reimbursed through the lease to own contract.**

Action Needed From Council: To award bid

| | |
|---|---|
| Is This Item Budgeted: no | |
| Was This A Bid Process: | Lowest Bid: |
| Is Public Hearing Required: | |
| If So What Dates: | |

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**AMES ENGINEERING**

115 Main Street, Suite 3 :: Bangor, Maine 04401

July 8, 2015

Mr. Ronald Weatherbee, Town Manager

Town of Lincoln

63 Main Street

Lincoln, ME 04457

RE: 54 Main Street – Court House

Dear Mr. Weatherbee

Please accept this proposal to supply professional services for the Primary Objective of a CONSTRUCTION EVALUATION AND COST ESTIMATE to establish FEASIBILITY to relocate the Town Office into the existing Court House at 54 Main Street.

Ames Engineering proposes to perform this work with the assistance of Ilina Engineering, who will supply the necessary HVAC and electrical evaluations. We have formulated our approach using our combined background and expertise in having evaluated and design project within existing buildings since 1980.

APROACH

Your main contact throughout the project will be Brian Ames. Mr. Ames will also be the primary contact with the regulatory officials. Our approach to this assignment is a two step process. First we will examine the building and perform our initial findings and cost analysis. We will meet with your committee to go over our findings and discuss the possibilities and alternatives. Then, with the direction of the committee, we will perform a Final Report that will be available for Public Comment and will be on Power Point to go on your website or at a Public Meeting. Attendance at a Public Meeting is not in this proposal.

SUB CONTRACTORS

The only subcontractor needed is Ilina Engineering who will handle the HVAC and Electrical issues. Mr. Ilina has previously been an employed by Ames AE and communication has continued since 1999. Civil, Structural and Cost Estimating will be performed by Brian Ames.

**AMES ENGINEERING**

115 Main Street, Suite 3 :: Bangor, Maine 04401

Please see attached background information on Brian Ames, PE and Matei Ilina, PE. The expertise of this team is quite extraordinary. The strength of Brian Ames's background and experience is to see a complete picture of the building and the process necessary to bring it to it's successful completion. Foremost in this process is a concept called PROGRAM MANAGEMENT. This is a process that understands that the control of project costs occurs not at the Construction Management, but at the onset with the selection and guidance of the designers and the scoping of the project. Understanding how this process works and how a building is designed, permitted, constructed or reconstructed is most important in Cost Estimating

PROPOSAL

Ames Engineering, LLC proposes to supply all professional services necessary to accomplish the scope pf work as specified in the RFQ for a LUMP SUM FEE of ($17,260).

Exceptions:

Not included in this fee is the out of pocket costs of any further Testing or Remediation regarding the HAZMAT issues. More to the point it may be necessary to acquire an ESA Level I and II. The cost of which cannot be determined at this time. If identified as a requirement, it may be added as a Reimbursable Cost.

Not requested or included is attendance or presentation at a Public Meeting

We will be available to answer your questions or to attend an interview.

Very Truly yours,

Brian Ames

Brian Ames, PE, AP

Ames Engineering, LLC

AMES ENGINEERING
115 Main Street, Suite 3 :: Bangor, Maine 04401

# QUESTIONNAIRE REQUIRED FOR ALL RESPONDENTS

## 1. OVERVIEW OF FIRM

Ames Engineering, LLC is a one person consulting firm incorporated in 2014 specializing in Program Management, Cost Estimating and Feasibility Studies. Brian Ames has been performing professional consulting engineering in team and individual capacities since 1974.

## 2. UNDERSTANDING OF PROJECT AND FAMILIARITY WITH REGULATIONS

We understand the objective is to conduct a construction evaluation and cost estimate to determine the feasibility of convert the Court House to the Town Office. Regulations which will come into play will be

Americans with Disabilities Act (ADA)

ASHRAE (Sections 90.1 and 62)

International Building Code (IBC)

International Energy Conservation Code (IECC)

International Existing Building Code (IEBC)

Life Safety Code (NFPA 101)

National Electrical Code (NEC)

National and State Plumbing Codes

AMES ENGINEERING
115 Main Street, Suite 3 :: Bangor, Maine 04401

STATEMENT OF APROACH

Your main contact throughout the project will be Brian Ames. Mr. Ames will also be the primary contact with the regulatory officials. Our approach to this assignment is a two step process. First we will examine the building and perform our initial findings and cost analysis. We will meet with your committee to go over our findings and discuss the possibilities and alternatives. Then, with the direction of the committee, we will perform a Final Report that will be available for Public Comment and will be on Power Point to go on your website or at a Public Meeting. Attendance at a Public Meeting is not in this proposal.

ANTICIPATED SUBCONTRACTORS

The only subcontractor needed is Ilina Engineering who will handle the HVAC and Electrical issues. Mr Ilina has previously been an employed by Ames AE and communication has been continuous since 1999. Civil, Structural and Cost Estimating will be performed by Brian Ames.

LIST OF SUBCONTRACTOR'S

With one subcontractor, the preferred manner of billing will be negotiated lump sum based on a projection of hours.

RESUMES – ORGANIZATION CHART

Please see attached Resumes

Town of Lincoln >Ames Engineering >Ilina Engineering

AMES ENGINEERING
115 Main Street, Suite 3 :: Bangor, Maine 04401

RELEVANT PROJECTS in the Last 5 years

2010 Ocean Park Condominium ; Building Study, Cost Estimate, Design and Construction Supervision for Exterior Renovations of 96 units

2011 Town of Lincoln Public Works Garage: Design, Construction Supervision

2012 Addison Historic Church: Structural Survey and Historic Redesign of Church Steeple

2013 Jonesport Historic Church: Structural Survey and Cost Estimate

2014 Kushi Realty, Bangor, ME : Site planning and permitting of 5400 SF Restaurant

2015 Hobstone Condominiums: Building Assessment, Cost Estimating and Bidding Documents for Exterior Renovation of a 66 Unit Condominium

FEE SCHEDULE

PROFESSIONAL ENGINEERING - $95.00 Per Hour

Trip Charge Mileage - $54.00 per trip

Reproduction Expense at Cost plus 10%

**AMES ENGINEERING**
115 Main Street, Suite 3 :: Bangor, Maine 04401

**FEE SCHEDULE** **8-Jul-15**
**TOWN OF LINCOLN**
**TOWN OFFICE BUILDING**

| | PROFESSIONAL HRS | SUBCONTRACT | COST |
|---|---|---|---|
| STRUCTURAL CONDITION ASSESSMENT | | | $ 1,900.00 |
| ROOF | 8 | | |
| LOAD BEARING PARTITIONS | 8 | | |
| FOUNDATION | 4 | | |
| LIFE SAFETY REVIEW | | | $ 1,140.00 |
| CORRIDORS | 4 | | |
| STAIRWAY | 4 | | |
| EXIT POINTS | 4 | | |
| HAXMAT | | | $ 760.00 |
| RADON | 2 | $ 220.00 | |
| ASBESTOS | | | |
| MOLD | 2 | $ 160.00 | |
| STRUCTURAL ALTERATIONS | | | $ 2,660.00 |
| COUNCIL ROOMS | 12 | | |
| CORRIDORS | 8 | | |
| ELEVATORS | 8 | | |
| ENERGY AUDIT | | $ 1,600.00 | $ 1,600.00 |
| SHELL | | | |
| VENTILATION EQUIPMENT | | | |
| HEATING EQUIPMENT | | | |
| ELECTRICAL REVIEW | | $ 1,000.00 | $ 1,000.00 |
| CURRENT | | | |
| NEW LOADS | | | |
| AIR QUALITY | | $ 600.00 | $ 600.00 |
| ASHRAE 62 REVIEW | | | |
| MODIFICATIONS | | | |
| ADA | | | $ 1,520.00 |
| CURRENT | 8 | | |
| MODIFICATIONS | 8 | | |
| PARCEL ANALYSIS | | | $ 2,280.00 |
| PARKING | 8 | | |
| RUNOFF | 4 | | |
| BUILDING ACCESS | 8 | | |
| WATER ISSUES IMPACTING STRUCTURE | 4 | | |
| COST ESTIMATING | | | $ 3,800.00 |
| ESTIMATE COST OF BUILDING MODIFICATIONS | 16 | | |
| PRELIMINAY REPORT AND REVIEW | 8 | | |
| FINALIZE COST | 8 | | |
| FINALIZE REPORT | 8 | | |
| ***TOTAL PROJECT PROPOSAL*** | **144** | **$ 3,580.00** | **$ 17,260.00** |

**AMES ENGINEERING, LLC**
115 MAIN STREET :: THIRD FLR :: BANGOR, ME 04401

July 8, 2015

Mr. Ronald Weatherbee, Town Manager
Town of Loncoln
63 Main Street
Lincoln, ME 04457

RE: Town Office Building

Dear Mr. Weatherbee

Responding to your request for proposals, Ames Engineering, LLC proposes to assist The Town Lincoln to provide professional services related to the Town Office Building.

This letter sets forth our conditions for rendering professional architectural and engineering services.

We believe that it is good business practice to set forth the nature of our engagement in order to assure that we have a mutual understanding with regard to the Services to be rendered. If this letter accurately describes the Services which you have requested, and the terms and conditions for our performance of the Services, please so indicate in the space provided below and return one copy of this letter to us in the enclosed envelope.

1. The scope, description of our services to be rendered and fees are outlined on our letter of July 8, 2015 in connection with the Project. Our LUMP SUM FEE for this assignment will be $17,260.00.

2. You will be billed monthly in accordance with the time and charges accrued to your project work. The charges for our Services will be determined by the amount of time devoted by our professionals working on the Project, based on their hourly rates enumerated below:

| | |
|---|---|
| Professional Engineering | $ 95 per hour |
| Design Professional | $95 per hour |
| Architectural Designer | $75 per hour |
| CAD Drafting | $55 per hour |
| Trip Cost | $54 per trip |
| Reimbursables | billed at cost plus 10% |

3. You have agreed to furnish us with full information as to your Project requirements, including any special or extraordinary considerations for the Project or special services needed, and also to make available all pertinent existing data in your possession. The Engineer will take no responsibility for conditions below ground or not visible.

4. Sometimes it is necessary for us to bring in Outside Consultants in the interest of the Project. If it is necessary to procure outside consultants, these must be approved by you as outside consultants. Outside Consultants will be billed at 115% of cost.

5. We would expect to commence our services promptly after receipt of your acceptance of this proposal and to complete our services within three months. If there are protracted delays for reasons beyond our control, such that our Construction Documents have not been completed six months from the date hereof, we would expect to renegotiate with you the basis for our compensation in order to take into consideration changes in prices and pay scales applicable to the period when services are in fact being rendered.

6. All drawings, specifications and documents produced under the terms of this engagement are instruments of service and are the property of the Engineer and shall only be used with respect to the Project unless otherwise provided.

7. We will bill you monthly for Services and Reimbursable Expenses. We are confident that you will make every effort to pay us promptly. Occasionally, however, a client has difficulty in making timely payments. To avoid burdening those clients who pay their statements promptly with higher fees reflecting the added costs we incur as a result of clients who are delinquent, a monthly service charge of 1.5% is added for late payments. This charge is assessed on amounts which remain unpaid for more than thirty (30) days from the date the bill was rendered. In no event will the service charge be greater than permitted by applicable law. In the unlikely event that we are required to institute legal proceedings to collect fees and costs, the prevailing party will be entitled to reasonable attorney's fees and other costs of collection. Naturally, we do not expect that any such problems will arise between us and we look forward to a very amicable relationship.

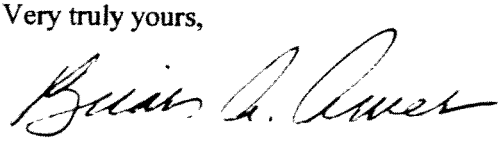
8. We will perform our services with at least the professional skill and care as is normal and customary for our profession. The professional liability incurred by the Architect or any of its agents or employees by virtue of the Services to be rendered in connection with the Project shall be limited to a maximum of the net fees received by the Engineer, not including Reimbursable Expenses.

9. Each of us will have the right to terminate this engagement by not less than seven (7) days written notice to the other. In the event of such termination, full payment shall be made for Services performed to the termination date, including Reimbursable Expenses then due and all termination expenses.

10. This agreement may be amended only by a writing signed by both of us.

If you have any questions at all concerning the provisions of this letter, please write or call. If you are in agreement with the above, kindly sign and return one copy of this letter.

Very truly yours,



Brian A. Ames, PE
AMES ENGINEERING, LLC

The undersigned hereby consents to the above engagement on the terms and conditions set forth in this letter.

Date: _____, 2015_____
Town of Lincoln

Form **W-9**
(Rev. December 2014)
Department of the Treasury
Internal Revenue Service

# 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.
BRIAN A. AMES

2 Business name/disregarded entity name, if different from above
AMES ENGINEERING, LLC

3 Check appropriate box for federal tax classification; check only **one** of the following seven boxes:
☐ Individual/sole proprietor or single-member LLC ☐ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate
☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶
**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.
☒ Other (see instructions) ▶ DISREGARDED ENTITY

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)
*(Applies to accounts maintained outside the U.S.)*

5 Address (number, street, and apt. or suite no.)
115 MAIN ST, THIRD FLR

Requester's name and address (optional)
TOWN OF LINCOLN

6 City, state, and ZIP code
BANGOR, ME 04401

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**
47 - 1233403

## 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** ▶ Brian A. Ames | **Date** ▶ July 8 2015

## 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.

# Brian A. Ames, PE, LEEDAp

## Senior Consultant

**Education:** University of Maine, Orono, Maine: BS Civil Engineering, 1966
Husson College: MSB, 1984

**Professional Registrations:** Professional Engineer Maine

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

**Civic:** Past President, Bangor Center Management Corporation
Boy Scouts of America, Former Council President, Silver Beaver

**Expertise:** Program Management; Civil/Structural; Cost Estimating

Recent Project Highlights:

**Municipal:** :: Public Works Maintenance Garage :: Town of Lincoln, Maine
Cost Estimating, Construction Documents and Administration for a 9,000 SF Public Works Garage.

**Residential:** :: Ocean Park Condominium Association :: Old Orchard Beach, Maine Cost Estimating, Construction Documents and Administration for complete $2.2M Exterior Renovations for 94 Units of Condominiums

::The Ocean House Condominium Association :: York, Maine
Cost Estimating, Construction Documents and Administration for complete a $3M Exterior Renovations for 74 Units of Condominiums

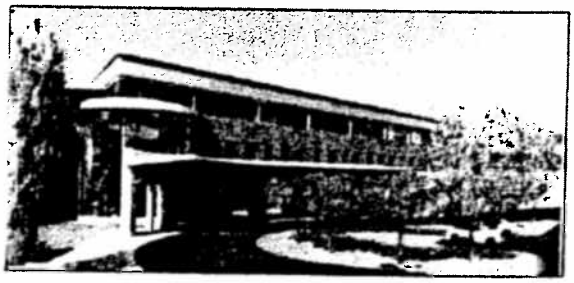
Past Project Highlights:

**Residential:** ::Maine Woodlands Alzheimer's Unit :: Brewer, Maine
Principal-in-charge for a 32 room Alzheimer's facility located adjacent to Woodlands Assisted Living.

:: Woodlands Assisted Living Facility :: Brewer, Maine
Principal-in-Charge of 23,600 SF, 66-bed Level II Residential Care Facility.

**Medical:** :: Eastern Maine Healthcare Systems:: Brewer, Maine
Owner's Representative for a 136,000 SF medical office building housing the Cancer Care of Maine.

:: Eastern Maine Healthcare Systems:: Bangor, Maine
Owner's Representative for a 10,000 SF medical laboratory housing the Maine Institute for Human Genetics and Health.



:: Eastern Maine Medical Center :: Bangor, Maine

- Westgate Healthcare Mall Renovations and Addition

Principal-in-charge of renovation of 121,258 SF shopping mall and adding 47,420 SF of new space to create 89,000 SF of outpatient clinics and 63,000 SF of lab and warehouse facilities

UMFK:: Center for Rural Health & Technology :: University of Maine, Fort Kent
Principal-in-charge on this 17,000 SF, two-story facility that houses a School of Nursing, Health Center, and a Technology Center and connects to an existing building on campus.

**Military:**

:: Army Aviation Support Facility :: Bangor International Airport
Principal-in-Charge of $20 million AASF for the Maine Army National Guard split into two phases over seven years. AMES A/E provided master planning, cost estimating, architectural design, utility design, engineering, and construction administration

:: WMD Ready Building :: Waterville, Maine
Principal-in-Charge of 11,000 SF, $1.3 million project of a 22-man ready building to serve military support to civil authorities (MSC) missions of the assigned unit.

:: WMD Ready Building :: Marietta, Georgia
Principal-in-Charge of project to construct a new Ready Building to the site conditions and end-users requirements of the Army National Guard of Georgia.

:: Armed Forces Reserve Center :: Bangor, Maine
AMES A/E Project Manager of the design team
for a 71,000 SF Reserve Center used by Maine Army National Guard, the U.S. Naval Reserve and the U.S. Army Reserve.

**Industrial:**

.:: Downeast Peat Electric Power Plant :: Deblois, Maine
Project Manager. A $50 million fast-track project which AMES A/E provided civil and structural engineering and architectural design for the nation's first peat-fired power plant. Many of the plant components arrived from Finland, Germany, Belgium & Italy.

:: International Paper Employee Training Center :: Bucksport, Maine
Principal-in-Charge for full design and construction administrative services for new, multi-level 22,500 SF Employee Development Center.

**Notes:**

With over 45 years experience beginning with Project Management for Union Carbide and Construction Management with The Bechtel Corporation. Brian Ames has established a reputation as being service oriented, client focused, and performance driven and is a student of his profession.

# MATEI ILINA, PE, CEM, LEED AP

Senior Mechanical Engineer

Past Employment: **Senior Mechanical Engineer – AMES A/E - 1999 to 2007**

- UMO Aquaculture Research Facility, Franklin, ME
- Helen Hunt School Renovation, Old Town, ME
- Old Town Municipal Building Renovation, Old Town, ME
- MDOT Visitor Information Centers Renovation, Houlton, Medway & Kittery, ME
- MDOT New Visitor Information Center, Pittsfield, ME
- EMMC EP Laboratory & Cooling Tower for ER, Bangor, ME
- EMMC - Cancer care Center - HVAC Renovation, Bangor, ME and MRI Unit #2, Bangor, ME
- Pittis Medical Office Building, Bangor, ME
- Northern Maine Medical Center: Medical Office Building; Boiler Stack Study; Child Psychiatric Unit Renovations; Generator Room Ventilation; and, South Wing Ventilation 3rd Floor, Endoscopy Suite renovation, Special Care Unit - Fort Kent, ME
- MDI Hospital Breast Cancer Care Center, Bar Harbor, ME
- Various Irving Oil Convenience Store Construction/Renovations, ME & NH
- Katahdin Area Training & Education Center, East Millinocket, ME
- EMCC - Katadin Hall - Third Floor HVAC, Bangor, ME
- Center for Rural Health & Technology, UMFK, Fort Kent, ME
- DEP Response Building, BMHI, Bangor, ME
- The Woodlands Assisted Living Facility and Alzheimer Unit, Brewer, ME
- Union 90 Facilities Audit & Maintenance Plan, Milford, ME
- Maine Children's Home Renovations, Waterville, ME
- Penobscot Job Corps Boiler Replacement, Phase I & II, Bangor, ME
- Charles A. Dean Memorial Hospital Facility Renovations, Greenville, ME
- EMMC Healthcare Mall: Mall Renovations; CT Scan; and, Penobscot Pediatrics, Bangor, ME
- Maine Air National Guard - Army Aviation Support Facility in Bangor, ME
- Maine Army National Guard - Pine Tree inn Hotel Renovation - Bangor, ME, UTES Facility - Ventilation Renovation, Auburn, Caribou and Augusta, ME, Paint Booth Renovation - South Portland, ME, Building #5 Ventilation Renovation at Camp Keyes, Augusta - ME, Building 34 & 39 HVAC Renovation at Camp Keyes, Augusta - ME, Building 34 - Printing Shop -

# MATEI ILINA, PE, CEM, LEED AP

Senior Mechanical Engineer

**Education:** Construction Institute, Bucharest, Romania
BS Mechanical Engineering, HVAC Major, 1986

**Professional Registration:** Professional Engineer, Ordre des Ingenieurs du Quebec
Professional Engineer, Ontario
Professional Engineer, Maine
Certified Energy Manager in 2002
LEED Certified in 2004

**Professional Organizations:** American Assoc. of Heating, Refrigeration & Air-Conditioning Engineers (ASHRAE)
Association of Energy Engineers (AEE)
American Society of Plumbing Engineers (ASPE)

**Experience:** Matei has over 25 years experience in HVAC design for several different types of projects. He holds a Professional Engineering license in Maine, and the Canadian Provinces of Quebec and Ontario. He also is a Certified Energy Manager.

Matei has served as Mechanical Engineer for several engineering firms in Canada, as well as in Greece and Romania. He has served in many capacities, including Mechanical Engineer, Mechanical Designer, and Project Estimator. His responsibilities have included complete engineering design, supervision and coordination of project teams, supervision of construction, and quality control.

He has significant experience with the design of HVAC systems, plumbing, medical gas, and fire protection and control for several institutional projects:

**Current:** **President of Ilina Engineering, P.A. - 2007**
61 Main St., Suite 58
Bangor, ME 04401
Phone/Fax: (207) 992-9181
Mobile: (207) 570-7001
email: ilinaengineering@midmaine.com

**Projects:**

- Health Access Network - Lincoln, ME
- Bucksport Regional Healthcare Center - Bucksport, ME
- Acadia Bank Renovation - Fort Kent, ME
- NMMC - Exhaust Fans Replacement - Fort Kent, ME
- Southwest Harbor Clinic - Southwest Harbor, ME
- IOC Fairfield and Kittery Convenience Stores, ME

HVAC Renovation at Camp Keyes, Augusta - ME, WMD - New Facility in Waterville- ME, Waterville Armory Renovation in Waterville - ME

- Coastal Eye Clinic in Ellsworth, ME

**Mechanical Engineer - Teknika HBA Group - 1997 to 1999**

- Elaborated and supervised during construction, the complete design for the mechanical systems (HVAC, plumbing, medical gas, fire protection and control) at Royal Victoria Hospital, Bloc M7 – Oncology, in Montreal (12000 sq. Ft., $5,600.000 total construction cost, $680,000 mechanical cost). Provided the design in air conditioning, ventilation for the isolation rooms with variable pressure. Designed the plumbing, heating, medical gas and fire protection for the area.
- Similar project for Montreal Children Hospital – Saint Justine, Bloc M6, in Montreal for 10,000 sq. ft. and $540,000 mechanical cost.
- Elaborate and supervised during the construction the design for ventilation, steam and chilled water supply for Mc Gill University – Wong laboratory Building in Montreal,
- $ 800,000 mechanical cost. Provided the design for the ventilation, in an existing building for 11 chemical hoods in four laboratories. The exhaust systems were provided with FRP ducts and double exhausts. Responsible for the design of the steam and chilled water network for the entire building (168 tons of refrigeration)
- Provided H.V.A.C., heating, fire protection, plumbing and control systems for C.H.S.L.D. – Saint Laurent Hospital in Montreal
- Performed detailed design in H.V.A.C. plumbing, control and fire protection systems – restaurants area for U.Q.A.M. (Quebec University in Montreal)
- Designed entire H.V.A.C. system for the C.U.M. (Community Police of Montreal) – East Town Department in Saint Leonard, Montreal Metropolitan.

**Mechanical designer and project estimator - HVAC Inc. Laval (Quebec) - 1993 - 1997**

- HVAC systems and plumbing projects.
- Estimate and supervise projects and provide technical assistance for projects.
- Estimate duct and equipment with "Super Duct" – version 7.0 exp. estimation software.
- Estimation costs in ventilation / air conditioning and plumbing for the following projects:
  - Molson Center for the Canadians of Montreal.
  - University of Montreal – Duplessis Center.
  - Mc Gill University – refection of ventilation / air conditioning for McDonald Building.
  - Sun Life Canada – refection of the ventilation / air conditioning and plumbing.
  - Bell Canada – Montreal – Several projects.

- Technilab Mirabel - ventilation / air conditioning and plumbing for pharmaceutical industry.

- Project supervision and management for:
  - Montreal University H.E.C.
  - Bell Canada - 800 Ontario Av., Montreal
  - Toronto Dominion Bank - St. Jacque Av. , Montreal
  - Merck Frosst Canada - TRACK III - Kirkland, Quebec

**Mechanical designer - Fortier, Franklin, Legault Consultants Inc., Laval, Quebec - 1993**

- Design the HVAC systems, plumbing and fire protection systems.
- Supervise and coordinate team of technicians and workers on construction site.
- Quality control and implementation of construction standards and applicable codes.
- Projects where I was involved:
  - C.L.S.C. - Pointe Claire - ventilation and plumbing design for a 150000 sf health clinic.
  - East Montreal Cemetery - ventilation / plumbing designing and burning systems for the crematory.
  - Ogilvy Store - Montreal - design for the ventilation / air conditioning system of the 3rd and 4th floors.
  - Côte des Neiges Hospital - Montreal - fire protection systems

**Mechanical designer- TECSULT Inc. Montreal - 1992-1993**

- Compute the energy balance for small and medium size enterprises in collaboration with "Hydro Quebec".
- Design new HVAC systems more performance for these enterprises.
- Communication liaison between clients and design department.

**Mechanical designer - Les Consultants C.R.S. - Laval, Quebec - 1990-1991**

- In charge for calculations, selection of equipment and piping and duct layout for civil and industrial buildings.
- Design of refrigeration systems.
- Interface with Manufacturing and Purchasing department.

*Project involvement:*

- C.C.M.M. - Montreal World Commercial Center - design of ventilation / air conditioning for commercial building of 12 stores (offices) and an "Intercontinental" hotel of 21 stores.

- ESSO building - Montreal - design of ventilation / air conditioning for a building of 500,000 sq. ft. on 18 levels.
- Bell Helicopter - Mirabel - Ventilation and plumbing for a painter hangar of 200,000 sq. ft.

**Field Engineer - FLORIMEX -Athens (Greece) - 1990**

- Responsible for all necessary coordinating, scheduling and providing technical assistance at the various construction sites.
- Inspection of work progress to insure concordance to Q. A. standards.

**Construction Institute - Bucharest, Romania - 1989**

- Professor assistant of B. Sc. level in Electromechanical field.

**Junior Mechanical Mngineer - T.M.U.C.B. (Chemical equipment erecting company) Bucharest, Romania - 1986-1989**

- Provided detailed studies, drawings and cost estimate for HVAC systems for industrial and commercial buildings.
- Involved in improving and developing of existing chemical equipment's according to clients requests.

**LEED Projects**

- Part of the General Contractor LEED Team for the Project - Port of Entry - Calais, Maine. The project was awarded LEED Gold.
- Mechanical Engineer for the Project - New Horizon Clinic in Union, Maine. The project was awarded LEED Silver.

## FIRM'S PROFESSIONAL REFERENCES

Submit three professional references with name, address, telephone number and email address:

| REFERENCE NUMBER ONE | |
|---|---|
| NAME | Lisa Goodwin, City Clerk, Bangor |
| ADDRESS | City Hall<br>Bangor ME 04401 |
| TELEPHONE | 992-4220 |
| EMAIL | cityclerk@bangorme.com |
| **REFERENCE NUMBER TWO** | |
| NAME | Kamlesh Patel, Kushi Realty |
| ADDRESS | 2 TREVINO CIRCLE<br>ANDOVER, MA 01810 |
| TELEPHONE | 978-886-3486 |
| EMAIL | kamlesh61patel@gmail.com |
| **REFERENCE NUMBER THREE** | |
| NAME | ANTHONY FORGIONE ocean park Meadows condominium |
| ADDRESS | 75 State St<br>Portland, ME 04101 |
| TELEPHONE | 207-775-7775 |
| EMAIL | forgione@75state.org |

## CONFLICT OF INTEREST DISCLOSURE FORM

To assist the Town in identifying possible conflicts of interest, all respondents must complete both disclosures below:

1. Check "Yes" if any town employees or officials are owners, corporate officers, employees, or otherwise associates of the firm and provide the name and relationship to the firm of such individuals below. Otherwise check "No".

☐ YES ☒ NO

| NAME | POSITION/RELATIONSHIP |
|---|---|
| | |
| | |
| | |

Please include and fully execute the following signature block with your firm's response to this RFQ including all other forms as required.

| SIGNATURE BLOCK | |
|---|---|
| FIRM NAME | AMES ENGINEERING, LLC |
| AUTHORIZED SIGNATURE | Brian A. Ames |
| PRINTED NAME | BRIAN A. AMES |
| POSITION/TITLE | OWNER |
| DATE | July 8, 2015 |

Fraser Associates Architects, PC
11 Everard Court, Bar Harbor, ME 207.801.4000

**Date:** 7 July 2015

**Re:** Town Office Engineering Qualifications

**To:** Mr. Ronald Weatherbee, Town Manager
Town of Lincoln
63 Main Street
Lincoln, ME 04457

Dear Mr. Weatherbee,

We are pleased to submit our **Qualifications for the feasibility of the relocation of the Town Hall and Police Facilities into the Court House** (54 Main Street).

We trust you will find this package complete and are happy to provide additional information if it will help in your evaluation. We are also available to discuss our qualifications by phone or e-mail if necessary.

Thank you for your time and we look forward to the opportunity to work with you on this Project.

Sincerely,

GS Fraser

Geoffrey S. Fraser, AIA
Principal, Fraser Associates Architects

Fraser Associates Architects, PC
11 Everard Court. Bar Harbor, ME 207.801.4000

# PROPOSAL for a Feasibility Study
# On the Relocation of the Town Hall and Police Facilities
# To the Court House

**OWNER:**

Town of Lincoln
63 Main Street
Lincoln, ME 04457
ATT: Mr. Ronald Weatherbee, Town Manager

**PROJECT LOCATION:**

Lincoln Court House
54 Main Street
Lincoln, ME 04457

The ARCHITECT, Fraser Associates Architects, PC, agrees to perform the following work, and the OWNER, Town of Lincoln, 63 Main Street, Lincoln, ME, agrees to pay for such work, and to otherwise perform, as follows:

**SCOPE OF WORK:**

A construction evaluation and cost estimates to move the Town Hall and Police Facilities into the Court House. This is to include the feasibility of renovating, expanding, or reconstruction of the Court House.

- Structural Analysis ($8,490.00)
  - As builds of existing of structural and existing room layouts
- Code Review and Recommendations ($6,000.00)
  - IBC
  - Life Safety
  - ADA
- Environmental Review ($8,565.00)
  - Air and Water
  - Hazmat
  - Waist Discharge
- Support Systems Review ($5,035.00)
  - Energy Use
  - Leed
- Construction Cost estimates ($9,080.00)
  - Repairs to Main Frame
  - Proactive Maintenance Issues
  - Modifications with the best alternatives for functional need versus costs.

**Fees:**

Fraser Associates Architects herein propose to perform the above stated work for a not-to-exceed fee of **thirty-nine thousand five hundred dollars and zero cents ($ 39,500.00).** Work will be billed on a monthly basis at the following hourly rates:

| | |
|---|---|
| Principal | $120 per hour |
| Project Manager | $90 per hour |
| Draftsman | $65 per hour |
| Administrative Assistant | $45 per hour |

Direct Expenses such as printing and Mileage to be billed separately in accordance with the attached general conditions.

Proposed: Accepted:

| Architect | Date | Owner or Owner's Agent | Date |
|---|---|---|---|
| Fraser Associates Architects<br>11 Everard Cour<br>Bar Harbor, Maine | | Town of Lincoln<br>63 Main Street<br>Lincoln, ME 04457<br>ATT: Mr. Ronald Weatherbee, Town Manager | |

Fraser Associates Architects, PC
11 Everard Court, Bar Harbor, ME 207.801.4000

## Lincolns' Town Hall & Police Facilities relocation to Court House feasabiity study

### Hourly Breakdown by Phase

| Phase | Task | Principal | Proj. Manger | Draftsman | Admin | Consultant | Total by Phase | FAA total by Phase |
|---|---|---|---|---|---|---|---|---|
| Structural Analysis | | | | | | | | |
| | Struct As Build DWG | 2 | 6 | 30 | 0 | $ 2,500.00 | | |
| | Arch As Build DWG | 2 | 6 | 25 | 0 | | | |
| | Meetings | 4 | 0 | 0 | 0 | | | |
| | | 8 | 12 | 55 | 0 | $2,500.00 | | |
| | | $ 120.00 | $ 90.00 | $ 65.00 | $ 45.00 | $ 1.15 | | |
| | | $ 960.00 | $ 1,080.00 | $ 3,575.00 | $ - | $ 2,875.00 | $ 8,490.00 | |
| | | | | | $ 5,615.00 | $ 375.00 | | $ 5,990.00 |
| Code Review | | | | | | | | |
| | IBC | 4 | 6 | 0 | 0 | | | |
| | Life Safety | 10 | 2 | 0 | 0 | | | |
| | ADA | 0 | 6 | 0 | 0 | | | |
| | Recommendations | 10 | 6 | 0 | 0 | | | |
| | Meetings | 8 | 4 | 0 | 0 | | | |
| | | 32 | 24 | 0 | 0 | $ - | | |
| | | $ 120.00 | $ 90.00 | $ 65.00 | $ 45.00 | $ 1.15 | | |
| | | $ 3,840.00 | $ 2,160.00 | $ - | $ - | $ - | $ 6,000.00 | |
| | | | | | $ 6,000.00 | $ - | | $ 6,000.00 |
| Environmental Review | | | | | | | | |
| | Air and Water | 5 | 5 | 0 | 0 | $ 2,500.00 | | |
| | Hazmat | 2 | 0 | 0 | 0 | $ 2,000.00 | | |
| | Waist and Discharge | 2 | 0 | 0 | 0 | $ 1,200.00 | | |
| | Meetings | 4 | 0 | 0 | 0 | $ - | | |
| | | 13 | 5 | 0 | 0 | $ 5,700.00 | | |
| | | $ 120.00 | $ 90.00 | $ 65.00 | $ 45.00 | $ 1.15 | | |
| | | $ 1,560.00 | $ 450.00 | $ - | $ - | $ 6,555.00 | $ 8,565.00 | |
| | | | | | $ 2,010.00 | $ 855.00 | | $ 2,865.00 |
| Support Systems Review | | | | | | | | |
| | Energy Use | 0 | 8 | 0 | 0 | $ 2,500.00 | | |
| | LEED | 0 | 8 | 0 | 0 | | | |
| | Meetings | 6 | 0 | 0 | 0 | | | |
| | | 6 | 16 | 0 | 0 | $ 2,500.00 | | |
| | | $ 120.00 | $ 90.00 | $ 65.00 | $ 45.00 | $ 1.15 | | |
| | | $ 720.00 | $ 1,440.00 | $ - | $ - | $ 2,875.00 | $ 5,035.00 | |
| | | | | | $ 2,160.00 | $ 375.00 | | $ 2,535.00 |

| | Phase | Task | Principal | Proj. Manger | Draftsman | Admin | Consultant | Total by Phase | FAA total by Phase |
|---|---|---|---|---|---|---|---|---|---|
| | Construction Cost Estimates | | | | | | | | |
| | | Repairs to Main Frame | 10 | 8 | 4 | 0 | $ - | | |
| | | Proactive Maintenace | 2 | 8 | 4 | 0 | $ 1,000.00 | | |
| | | Modifications to exist pl | 8 | 8 | 6 | 0 | | | |
| | | Recommendations | 10 | 4 | 0 | 0 | | | |
| | | Meetings | 6 | 2 | 0 | 0 | $ - | | |
| | | | 36 | 30 | 14 | 0 | $ 1,000.00 | | |
| | | | $ 120.00 | $ 90.00 | $ 65.00 | $ 45.00 | $ 1.15 | | |
| | | | $ 4,320.00 | $ 2,700.00 | $ 910.00 | $ - | $ 1,150.00 | $ 9,080.00 | |
| | | | | | | $ 7,930.00 | $ 150.00 | | $ 8,080.00 |
| | | | | | | | | [redacted] | $ 25,470.00 |

**FAA Rates**

| | | |
|---|---|---|
| Principal | $ | 120.00 |
| Project Architect | $ | 90.00 |
| CAD Tech | $ | 65.00 |
| Admin | $ | 45.00 |
| Mark-up | $ | 1.15 |

## OFFICIAL QUALIFICATIONS/PROPOSAL RESPONSE FORM

### FIRM'S CONTACT INFORMATION

The undersigned declares that the signer of this proposal is:

INDIVIDUAL doing business as: _____

PARTNERSHIP doing business as: _____

CORPORATION entitled: Fraser Associates Architects, PC

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

11 Everard Court (Street/PO), Bar Harbor (Town/City), 04609 (Zip)

Geoffrey S. Fraser
Authorized Signature

Geoffrey S. Fraser, Principal
Printed Name and Title of Authorized Signer

Fraser Associates Architects, PC
Firm or Corporate Name

Geoffrey S. Fraser
Contact Name and Title

11 Everard Court
Street Address

geoff@fraserarchitects.com
Email Address

Bar Harbor, Maine 04609
City/Town, State, Zip

207-801-4000
Telephone Number

7/7/2015
Date Signed

n/a
Fax Number

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

## FIRM'S PROFESSIONAL REFERENCES

Submit three professional references with name, address, telephone number and email address:

| REFERENCE NUMBER ONE | |
|---|---|
| NAME | |
| ADDRESS | |
| TELEPHONE | |
| EMAIL | |
| **REFERENCE NUMBER TWO** | |
| NAME | |
| ADDRESS | |
| TELEPHONE | |
| EMAIL | |
| **REFERENCE NUMBER THREE** | |
| NAME | |
| ADDRESS | |
| TELEPHONE | |
| EMAIL | |

References are in our attached company profile.

## QUESTIONNAIRE REQUIRED FOR ALL RESPONDENTS

Please complete the following questions to help the Town assess the firm's abilities to assist the Town with its engineering needs. In preparing a qualifications package, please number the firm's responses according to the number corresponding with the questions below and add the title "Questionnaire Required for All Respondents" to the header of your response.

1. Provide an overview of the firm demonstrating the firm's capabilities, years in operation, office locations, etc.

2. Provide a statement of the firm's understanding of the project contained within this RFQ and the firm's familiarity with applicable regulations that may be associated with the project.

3. Provide a statement of the firm's intended approach to this project including staffing, communication initiatives in dealing with the public, Town officials, and regulating agencies.

4. Provide a statement regarding the use of any sub-contractor services or special consultants that may assist the firm with this project. Explain how the firm sub-contracts and verifies the sub-contractor qualifications.

5. Provide a list of anticipated sub-contractors and a description of the firm's preferred approach to billing and oversight for any required sub-contractors.

6. Provide resumes and project experience of individuals in the firm assigned to work on this project. Provide an organizational chart showing the firm's primary point of contact with the Town.

7. Provide a list of relevant projects completed by the firm in the last five (5) years, similar to this project.

8. Provide a fee schedule for this project.

See following page

Fraser Associates Architects, PC
11 Everard Court. Bar Harbor, ME 207.801.4000

**Date:** 7 July 2015

**Re:** Respondents Questionnaire from page 8 of the RFQ

1 Q – Provide an overview of the firm demonstrating the firm's capabilities, years in operation, office location, etc.

**A.** Fraser Associates Architects is a Veteran Owned, small business firm located at 11 Everard Court, Bar Harbor, Maine. Our firm was established as Roc Caivano Architects in 1975 and as of December 2011 is under new ownership as Fraser Associates. We are a diversified firm with a broad range of experience Including Commercial, Institutional, Health Care and Residential Architecture.

2 Q – Provide a statement of the firm's understanding of the project contained within this RFQ and the firm's familiarity with applicable regulations that may be associated with the project.

**A.** FAA understands that the intent of this Project is to determine the feasibility of/ and potential Project costs associated with the adaptive re-use of the existing courthouse into a centralized Municipal Office Building. This Project will be subject to the Maine Uniform Building Code, The 2010 DOJ Title II Standards for Accessibility and NFPA 101 Life Safety Code. A State Fire Marshal Permit and a Barrier Free Permit will be required.

3 Q - Provide a statement of the firm's intended approach to this project including staffing, communication initiatives in dealing with the public, Town officials, and regulating agencies.

**A.** Fraser Associates Architects understands the conscious effort of the Town of Lincoln and the Adhoc Committee to provide a thorough and professional cost/needs benefit analysis. Fraser Associates would work closely with all stakeholders to determine the Towns Needs and Budget. Conduct a thorough code and building evaluation, provide the Town with design options and associated costs, prepare presentation materials and present options and costs at Town Meetings as needed.

4 Q – Provide a statement regarding the use of any sub-contractor services or special consultants that may assist the firm with this project. Explain how the firm sub-contracts and verifies the sub-contractor qualifications.

**A.** Our sub-contractors are long time friends with a long line of collaborative projects between us. We rely on them as we do their judgment, which has meant years of success.

5 Q - Provide a list of anticipated sub-contractors and a description of the firm's preferred approach to billing and oversight for any required sub-contractors.

**A.** Please refer to our company profile for these details.

6 Q – Provide resumes and project experience of individuals in the firm assigned to work on this project. Provide an organizational chart showing the firms primary point of contact with the Town.

**A.** Our resumes are detailed in our attached profile.

7 Q – Provide a list of relevant projects completed by the firm in the last five (5) years, similar to this project.

**A.** Included in our profile are the many projects we've detailed for the last five years, which include our sub contractors lists as well.

8 Q – Provide a fee schedule for this project.

**A.** The proposal at the head of this document outlines our fee schedule.

Sincerely,

GS Fraser

Geoffrey S. Fraser, AIA
Principal, Fraser Associates Architects

## CONFLICT OF INTEREST DISCLOSURE FORM

To assist the Town in identifying possible conflicts of interest, all respondents must complete both disclosures below:

1. Check "Yes" if any town employees or officials are owners, corporate officers, employees, or otherwise associates of the firm and provide the name and relationship to the firm of such individuals below. Otherwise check "No".

☐ YES ☑ NO

| NAME | POSITION/RELATIONSHIP |
|---|---|
| | |
| | |
| | |

Please include and fully execute the following signature block with your firm's response to this RFQ including all other forms as required.

| SIGNATURE BLOCK | |
|---|---|
| FIRM NAME | Fraser Associates Architects |
| AUTHORIZED SIGNATURE | Geoffrey S. Fraser |
| PRINTED NAME | Geoffrey S. Fraser |
| POSITION/TITLE | Principal |
| DATE | 7/7/2015 |

Fraser Associates Architects, PC
11 Everard Court. Bar Harbor, ME 207.801.4000

Fraser Associates Architects is a Veteran owned, small business firm located in Bar Harbor, Maine.

We are a diversified firm with a broad range of experience Including Commercial, Institutional, Health Care and Residential Architecture.

Our Projects include The Schoodic Woods Campground, The Lisa Stewart Women's Health Center for Mount Desert Island Hospital; Bar Harbor Savings and Loan Renovations; The Mary Dow Center for Cancer Care at Maine Coast Memorial Hospital; Building and Site Rehabilitation for the Schoodic Education and Research Center; The Total Health Center at Marlboro College, VT; numerous renovations and additions to the Jordan Pond House; and more than one hundred homes. We are Project Architects for the current, "Indefinite Delivery, Indefinite Quantity Contract"(IDIQ) Design Team for Acadia National Park.

## DESIGN PHILOSOPHY AND APPROACH

Our Philosophy is simple;

"Meet our Client's needs and exceed their expectations."

Fraser Associates works diligently to manage project costs, ensure code compliance, and provide responsive and attractive design solutions for all of our projects.

We believe that active listening and planning ensure the needs of our Clients are met. Our buildings function well, provide energy efficient and comfortable environments, and enhance the fabric of their community.

*"First and foremost it is imperative to solve the functional and programmatic needs of the Project, opportunities for design will always present themselves in the process.*

*- G. S. Fraser"*

# PROFILES OF KEY PERSONNEL:

## FRASER ASSOCIATES ARCHITECTS:

### Geoffrey Fraser, Principal, Design Architect

Registered in both Maine and New York, Geoffrey is responsible for all projects from programming through completion. He has been actively working in the construction industry for over twenty-eight years and has a diverse portfolio, ranging from single-family homes to multi-million dollar public safety and health care facilities.

### Roch Le Blanc, Project Architect:

Roch brings over 30 years of experience to our firm. He provides a resource of understanding for projects of varying complexity both large and small, allowing Fraser & Associates to achieve evidence based, cost effective solutions.

### Christopher Towle: Architectural Intern/Job Captain:

Chris is responsible for general design and architectural document production and coordination. Chris has his Masters in Architecture is currently completing the Intern Development Program seeking architectural licensure.

## MAJOR CONSULTANTS:

### Carpenter Associates: Mechanical/Electrical Engineering, Old Town, ME

A consistent and reliable team member, Carpenter Associates bring years of experience across a broad range of all facility types to the table. Should engineering system support be required they are willing and available to assist.

### ESP Environment Safety Professionals: Mark Morehouse, BS, CIH, CSP

With over 20 years of professional level experience and a long history of successful compliance monitoring, program development and hazard abatement for industrial facilities, municipalities, schools, hospitals, commercial and residential facilities.

### CONESTCO: Cost estimator, Raymond, ME

Bruce Sanford has over 20 years of industry experience and well over 800 projects under his belt. He provides accurate and timely costing information, critical to the success of any project.

## REFERENCES

The following Clients have retained our full architectural services, from design and construction documents through contract supervision.

**Lisa Stewart Women's Health Center**
Herbert Gibson,
Former Director of Plant Services
Mount Desert Island Hospital
(207) 941-4050

**Bar Harbor Savings and Loan**
Vicky Vendrell
Vice President and Treasurer
103 Main Street
Bar Harbor, Maine 04609
(207) 288-3685

**Total Health Center at Marlboro College**
Daniel Cotter,
2582 South Road
Marlboro, Vermont 05344
(802) 258-9297

**Acadia National Park**
Keith Johnston, Head of Maintenance/ANP
P. O. Box 177
Bar Harbor, Maine 04609
288-8750

## Professional References

**Robert Shea**
E. L. Shea Builders and Engineers
23 Church St, Ellsworth, ME 04605
(207) 667-2373

**Carl F. Cooke**
Frontline Construction Services
PO Box 42, Belgrade ME 04917
(207) 446-0408

*Additional References available on request*

FRASER ASSOCIATES ARCHITECTS
38 RODICK ST. BAR HARBOR, MAINE
WWW.FRASERARCHITECTS.COM
207.801.4000

# LIST OF PROJECTS

## PUBLIC/MUNICIPAL

| PROJECT | PROJECT TYPE | LOCATION | COST |
|---|---|---|---|
| NORTHEAST HARBOR LIBRARY | NEW CONSTRUCTION | MT DESERT ISLAND, ME | $1,800,000.00 |
| NATICK MUNICIPAL COMPLEX | NEW CONSTRUCTION | NATICK, MA | $3,600,000.00 |
| NATICK POLICE FIRE STATION | NEW CONSTRUCTION | NATICK, MA | $4,300,000.00 |
| ESSEX POLICE/FIRE STATION | RENOVATION/ADDITION | ESSEX, MA | $1,200,000.00 |
| ACTON WATER DISTRICT HQ | NEW CONSTRUCTION | ACTON, MA | $1,150,000.00 |
| OXFORD FIRE STATION | NEW CONSTRUCTION | OXFORD, MA | $850,000.00 |
| BONDSVILLE FIRE STATION | RENOVATION/ADDITION | BONDSVILLE, MA | $750,000.00 |

## INSTITUTIONAL

| PROJECT | PROJECT TYPE | LOCATION | COST |
|---|---|---|---|
| SCHOODIC WOODS CAMPGROUND | NEW CONSTRUCTION | WINTER HARBOR, ME | $3,600,000.00 |
| ANP MASTER PLAN | FEASIBILITY STUDY/ MASTER PLAN | ACADIA NATIONAL PARK | $30,000,000.00 |
| SCHOODIC EDUCATION AND RESEARCH CAMPUS | NEW CONSTRUCTION/ MASTER PLANNING | WINTER HARBOR, ME | $8,600,000.00 |
| JORDAN POND HOUSE KITCHEN | ADDITION | ACADIA NATIONAL PARK | $600,000.00 |
| SERC LAUNDRY | RENOVATION | ACADIA NATIONAL PARK | $350,000.00 |
| SCHOONER COMMONS | ADDITION/RENOVATION | ACADIA NATIONAL PARK | $850,000.00 |
| JORDAN POND HOUSE DECK | STRUCTURAL REPAIR | ACADIA NATIONAL PARK | $220,000.00 |
| JORDAN POND HOUSE MEP ENCLOSURE | ROOF REPAIR/ADDITION | ACADIA NATIONAL PARK | $180,000.00 |
| VISITOR INFORMATION CENTER/ DOWNEAST BUS TERMINAL | RENOVATION | BAR HARBOR, ME | $190,000.00 |

## EDUCATIONAL

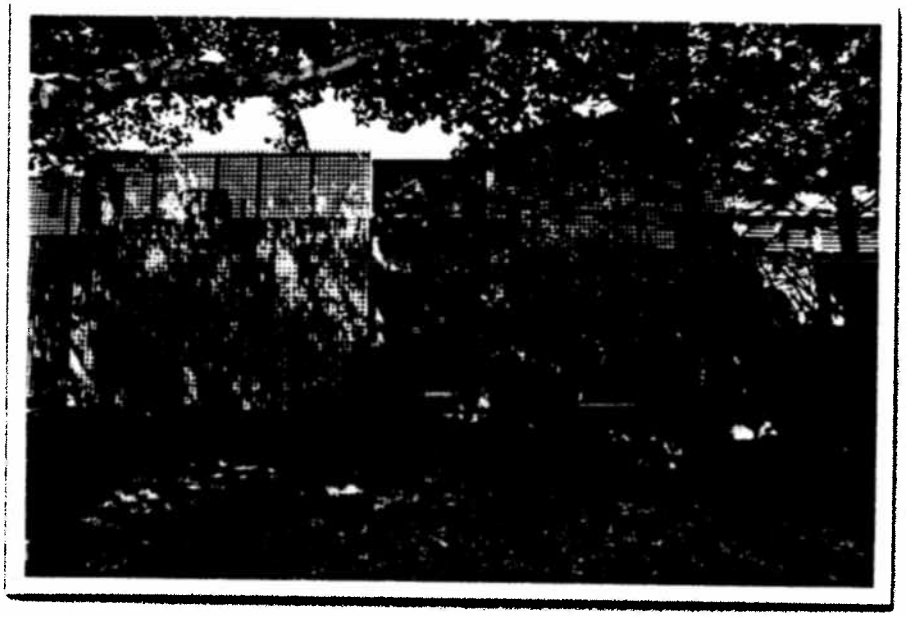
| PROJECT | PROJECT TYPE | LOCATION | COST |
|---|---|---|---|
| MARLBORO COLLEGE – HENDRICKS HALL | RENOVATION | MARLBORO, VT | $275,000.00 |
| DARTMOUTH COLLEGE – BETA HOUSE | LIFE SAFETY IMPROVEMENTS | HANOVER, NH | $365,000.00 |
| PAUL R. BAIR MIDDLE SCHOOL | ADDITION/RENOVATION | LUDLOW, MA | $1,800,000.00 |
| LUDLOW HIGH SCHOOL | ADDITION/RENOVATION | LUDLOW, MA | $2,700,000.00 |
| MARLBORO HIGH SCHOOL | ADDITION/RENOVATION | MARLBORO, MA | $25,600,000.00 |
| METHUEN PUBLIC SCHOOLS | RENOVATIONS/ ABATEMENT | METHUEN, MA | $1,600,000.00 |

## HEALTHCARE

| PROJECT | PROJECT TYPE | LOCATION | COST |
|---|---|---|---|
| LISA STEWART WOMEN'S HEALTH CENTER | NEW CONSTRUCTION | BAR HARBOR, ME | $1,500,000.00 |
| MARY DOW CANCER CENTER | ADDITION/RENOVATION | ELLSWORTH, ME | $1,850,000.00 |
| MDI ONCOLOGY SUITE | RENOVATION | BAR HARBOR, ME | $600,000.00 |
| MARLBORO COLLEGE – TOTAL HEALTH CENTER | ADDITION/RENOVATION | MARLBORO, VT | $1,200,000.00 |
| SOUTHWEST HARBOR DENTAL CLINIC | RENOVATION | MT. DESERT ISLAND, ME | $1,600,000.00 |

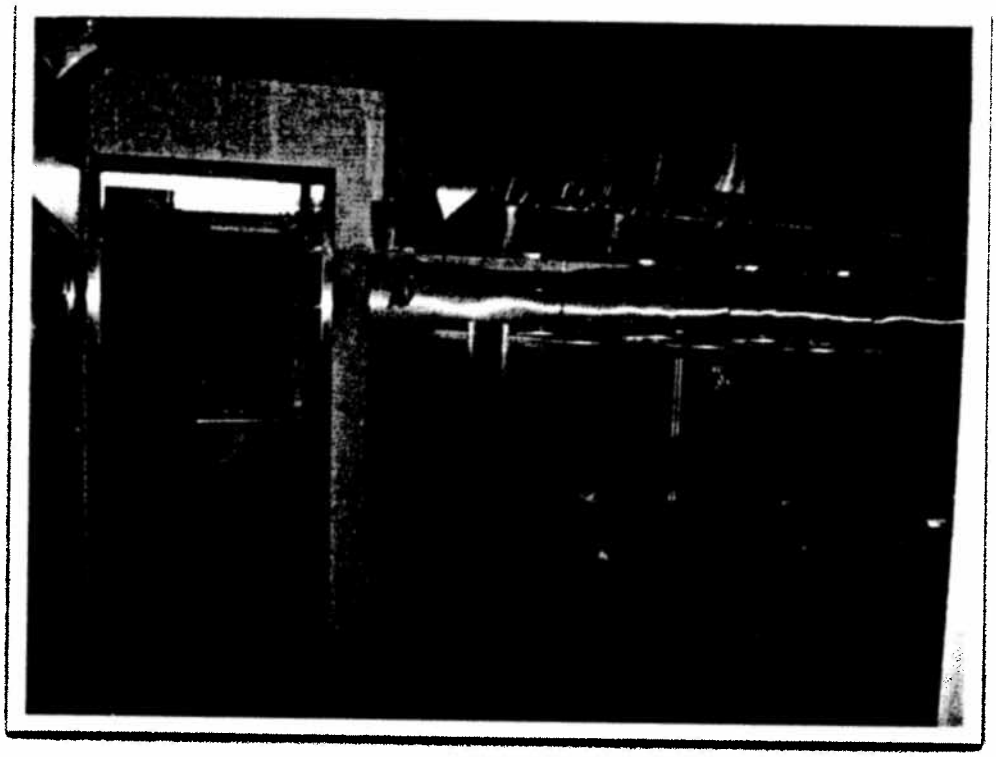
# JORDAN POND HOUSE KITCHEN ADDITION (2011)

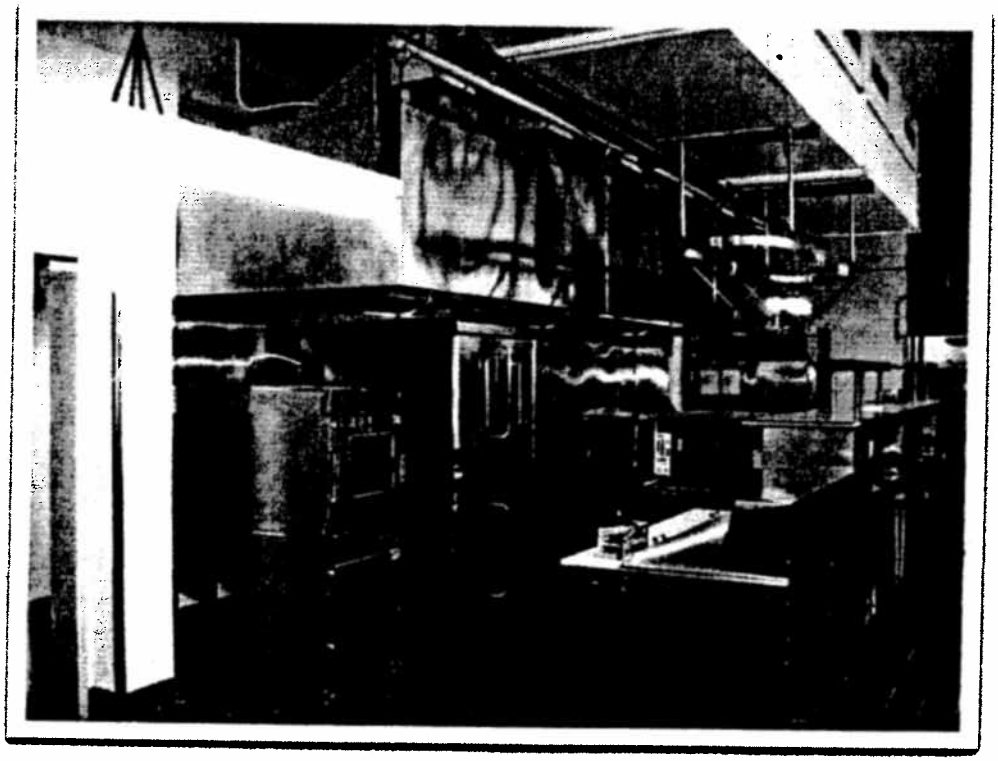
ACADIA NATIONAL PARK, BAR HARBOR



# JORDAN POND HOUSE KITCHEN ADDITION (2011)

ACADIA NATIONAL PARK, BAR HARBOR, MAINE

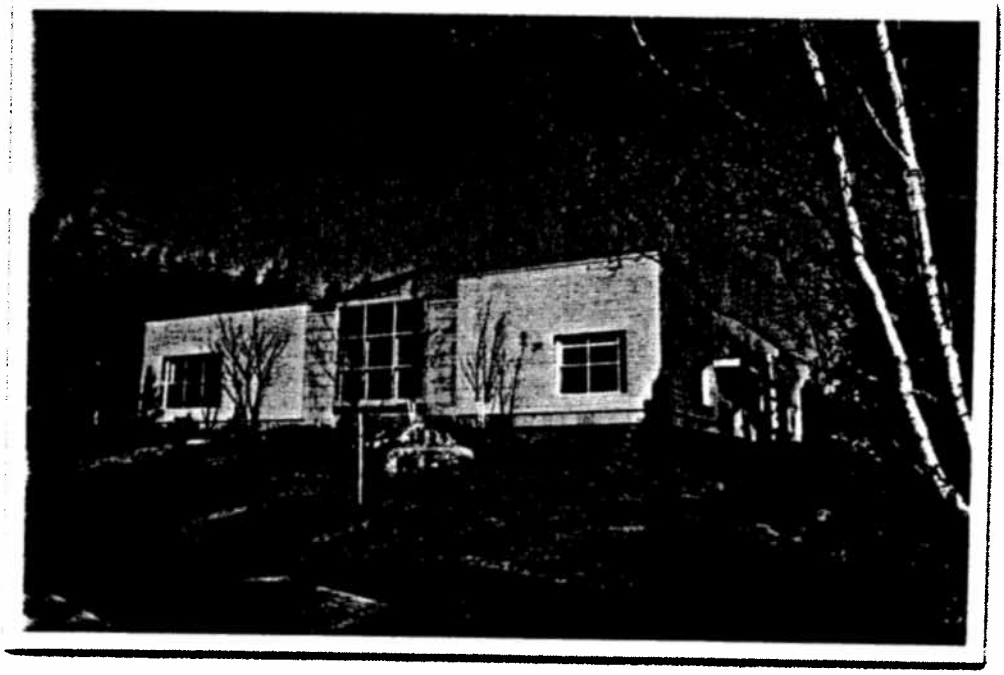




# GEORGE M. WRIGHT HALL, ADAPTIVE RE-USE (2010)

SCHOODIC EDUCATION AND RESEARCH CENTER
ACADIA NATIONAL PARK, WINTER HARBOR

BEFORE



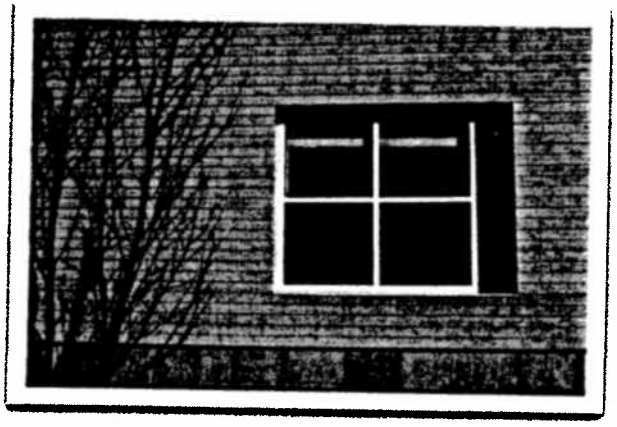
AFTER

# GEORGE M. WRIGHT HALL, ADAPTIVE RE-USE (2010)

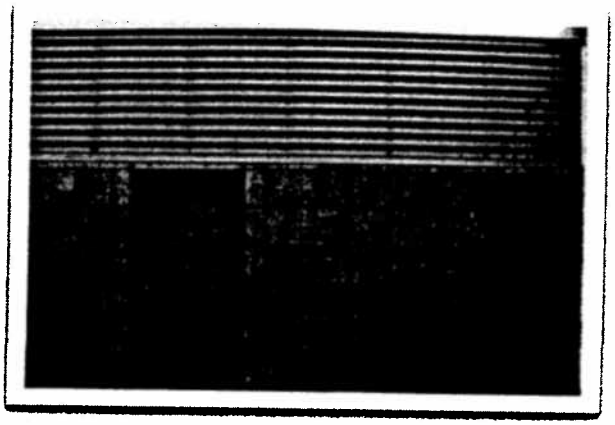
SCHOODIC EDUCATION AND RESEARCH CENTER
ACADIA NATIONAL PARK, WINTER HARBOR

detail

detail



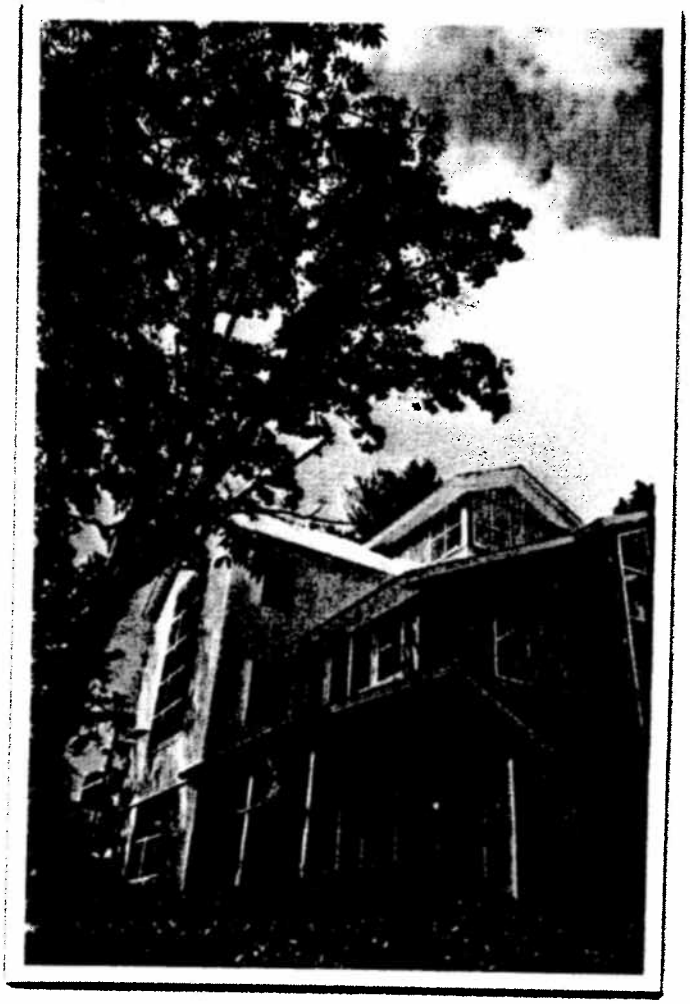
detail



detail

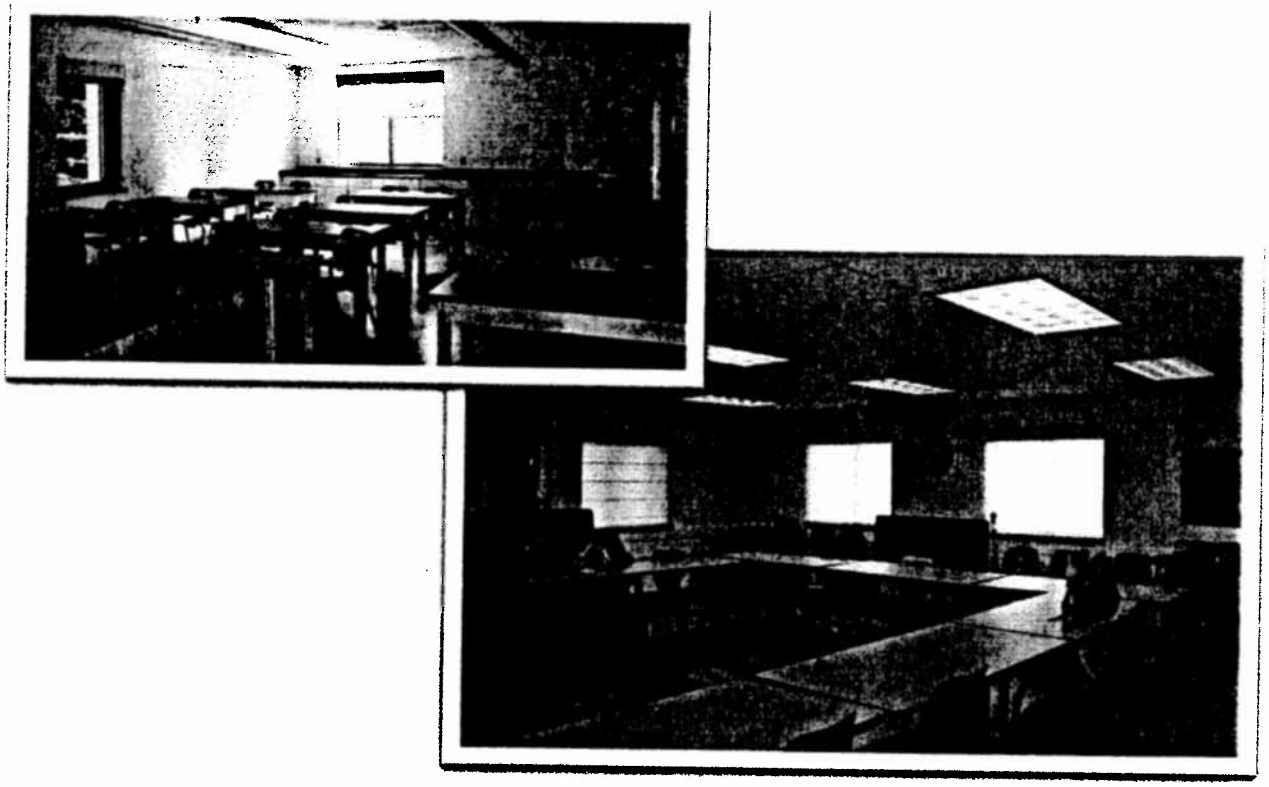
## MARLBORO COLLEGE TOTAL HEALTH CENTER ADDITION (2008)

MARLBORO, VT



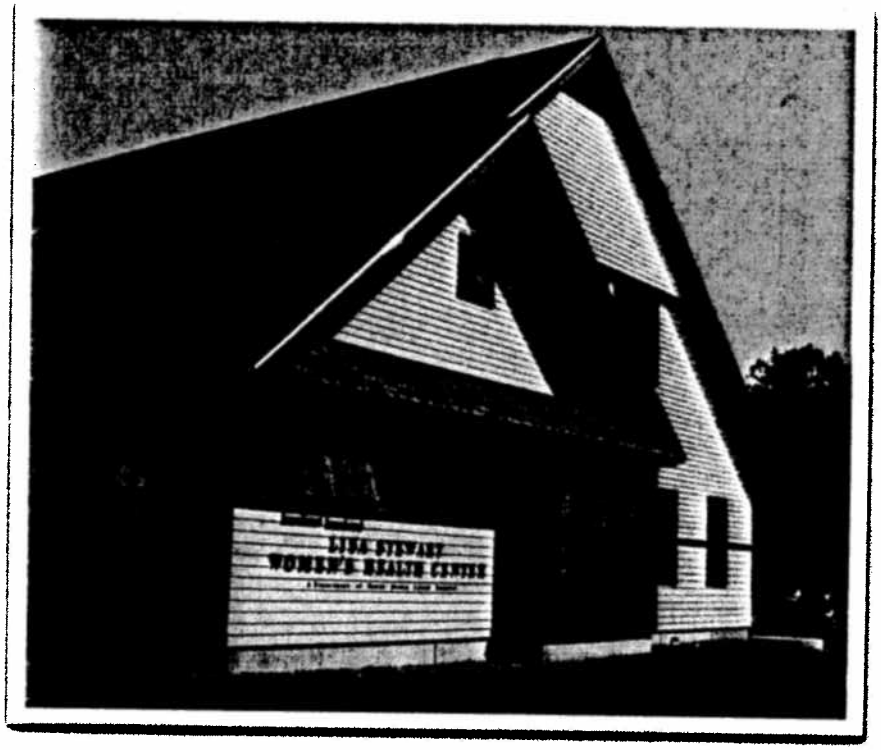
## CHARLES W ELIOT HALL (2004)

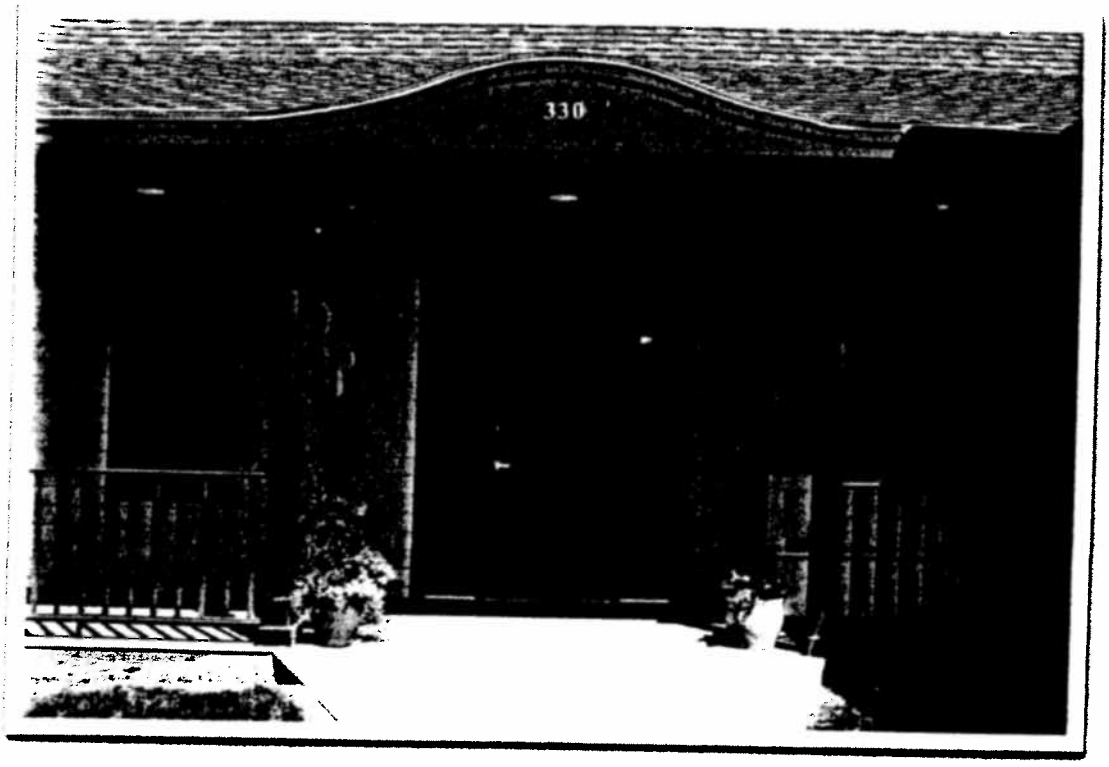
SHOODIC EDUCATION AND RESEARCH CENTER, WINTERPORT, MAINE



## LISA STEWART WOMEN'S HEALTH CENTER (2014)

A 4,000 sq-ft outpatient facility for
MOUNT DESERT HOSPITAL, BAR HARBOR



## GEOFFREY S. FRASER

**PRINCIPAL – FRASER ASSOCIATES ARCHITECTS**

Maine State License Architect: License #3910
New York State Licensed Architect: License #0351552

**PROFESSIONAL EXPERIENCE:**

**Roc Caivano Architects, Bar Harbor, ME**
*February 2006 to 2012: Project Architect/Project Manager*
Programming, code research, product research, design development, project coordination, contract document preparation, bidding administration and construction administration for residential and institutional projects ranging in cost from $100,000 to $8,000,000.

**Stewart Brecher Architects, Bar Harbor, ME**
*September 2002 to February 2006: Project Architect/Project Manager*
Programming, code research, product research, design development, project coordination, contract document preparation, bidding administration and construction administration in support of residential and commercial projects ranging in cost from $100,000 to $3,000,000.

**Fraser Design, Natick, MA**
*May 1999 to August 2002: Principal (Geoffrey S. Fraser D.B.A. Fraser Design)*
Full service firm for residential renovation and addition projects in the Metro-West Boston area. Projects ranged in estimated construction costs from $50,000 to $300,000.

**Tappé Associates Inc., Boston, MA**
*February 1997 to April 1999: Job Captain/Construction Administrator*
Programming, code research, product research, design development, project coordination, contract document preparation, bidding administration and construction administration in support of municipal school and library projects ranging in cost from $1,200,000 to $25,000,000.

**Pepi Associates Inc., Natick, MA**
*January 1995 to February 1997: Project Manager/Job Captain*
Programming, code research, product research, design development, project coordination, contract document preparation and bidding administration in support of municipal public safety projects and ecclesiastical school projects ranging in cost from $750,000 to $9,000,000.

**The Carell Group Inc., Brighton, MA**
*May 1992 to September 1994: Job Captain*
Code research, product research, design development, project coordination, contract document preparation, model construction and construction administration in support of residential, commercial and municipal projects ranging in cost from $50,000 to $1,500,000.

**H.K. FitzGerald and Assoc., Newton, MA**
*May 1991 to April 1992: Lead Draftsman*
Existing conditions drawings, contract document preparation and construction administration in support of residential, commercial and educational projects ranging in cost from $45,000 to $1,200,000.

**United States Air Force, Rome, NY**
*February 1986 to September 1989: Engineering Assistant Specialist*
Surveying, drafting, design, project coordination, contract document preparation and construction administration in support of residential, commercial, secure/clean room facilities, and civil engineering projects ranging in cost from $10,000 to $5,000,000.

**Education:**

**Wentworth Institute, Boston, MA**
September 1989 to May 1991
*Architectural Engineering*

**Community College of the Air Force**
February 1986 to May 1986
*Engineering Assistant Specialist*
Certificate of training

## ROCH LE BLANC ARCHITECT

**PROJECT ARCHITECT – FRASER ASSOCIATES ARCHITECTS**

Maine State License Architect: License #3020
Michigan State Licensed Architect: License #47983

**PROFILE:**

Roch is a Montreal architect now residing in Bangor, Maine. He started his career as the resident architect for the Royal Victoria Hospital in Montreal, Canada, later opening an office/studio in Old Montreal to work on banks and country homes.

While in Windsor, Ontario his work included more residential and commercial projects with an Award of Excellence for his design of The Market Square. He also represented the area for the Ontario governments' Strategic Design Implementation.

Roch's experience includes hospitals; industrial complexes for GM Chrysler and Ford; custom residential and institutions for Allen Memorial and Windsor Western. More recently he worked with the U.S. military in Fort Stewart, Georgia, in upgrading the facilities for the 2nd and 3rd Brigade returning from overseas.

Since 2004 Roch has been a project architect/manager previously for AMES A/E and project architect for Ames Associates as well as Manager for New Detroit Development, in Bangor, Maine. He has also spent a year working with a colleague in Montreal whose work was renovating two residences in New York City.

In all projects, he has added a wealth of cross over design applications demonstrating versatility for cutting costs while maintaining a strong level of design integrity.

**PROFESSIONAL EXPERIENCE:**

**Armand Dadoun, Mount Royal, Quebec**
*August 2012 to 2013: Project Architect*
Facilitated two $25,000,000 renovations in New York City. Duties included the review and on-time delivery of drawings to the site and control of costs.

**Ames Associates, Bangor, ME**
*May 2010 to August 2012:*
Projects included renovations to Dorothea Dix Institution and development plans for Downtown Monson. Estimated construction costs from $500,000 to $3,000,000.

**Walbridge, Detroit, MI**
*May 2008 to May 2009: Engineering Manager*
Controller of three military projects for costs; responsible for the hired professionals meeting their contracted goals. Projects estimated costs $8,000,000/$12,000,000/$25,000,000.

**BEI Associates Inc, Detroit, MI**
*May 2007 to May 2008: Senior Project Architect*
New engine plant for Saltillo, Mexico, and addressing changes to code for total robotics in the Trenton, Michigan plant. Both plants have construction values in excess of $30,000,000.

**AMES A/E Bangor, ME**
*February 2004 to April 2005: Project Architect*
A full service firm with surveying and traffic planning extending its offices from Bangor to New Hampshire. I assisted in the proposals and developed in a combined effort with modular homebuilders methods for constructing a six-floor condominium, called the Belvidere.

**The Bachman Partnership P.C., Highland, IN**
*June 2002 to November 2003: Project Architect*
I was hired to do hospitals and banks and to increase the stature of the firm. In my time with the firm we work on three hospitals in various ways with construction costs of 10,000,000 to $33,600,000.

**Giffels – Giffels/Arcadis, Southfield, MI**
*February 1998 to February 2002: Project Architect*
Full and complete A/E services for the industrial complexes primarily Southern Michigan. Clients included Lockheed, Caterpillar, General Motors, Ford, and Chrysler. Costs ranged from $1,200,000,000 to 60,000,000.

**Roch Le Blanc Architect, Montreal, Quebec – Windsor, Ontario**
*July 1989 to February 1998: Sole Proprietor*
Projects ranged from inexpensive residential homes to high-end homes in the Eastern Townships of Montreal. While the commercial projects won awards for construction excellence and additional kudos from owners on the cost efficiencies applied through out the work. My colleague and I were sought after for our skills to do banks and hospital in Montreal when a shoehorn was required. Costs ranged from $1,000,000 to $560,000.

**Education:**

**B.A. in Architecture 1987**
Université de Montreal
L'École des Beaux-Arts
Montréal, Québec Canada

**Recognition in Design from the**
**University of Copenhagen**
Architecture & Design Studies 1983
Washington State University Foreign Studies Program (DIS)

Carleton University
School of Architecture 1979 - 1982
Ottawa, Canada

**Diploma of Architectural Tech. 1979**
St. Clair College
Windsor, Ontario Canada

## CHRISTOPHER TOWLE

**JOB CAPTAIN – FRASER ASSOCIATES ARCHITECTS**

**PROFESSIONAL EXPERIENCE:**

**Fraser Associates Architects**
*August 2013 to Current: Job Captain* / Intern Architect
Programming, code research, product research, design development, project coordination, contract document preparation, bidding administration and construction administration support for residential, medical and institutional projects ranging in cost from $100,000 to $8,000,000

**John Silverio Architect, Lincolnville, ME**
*March 2010-August 2010:* Contract work as Designer-Draftsman
Code research, product research, design development, contract document preparation and general office support for single-family residential projects ranging in cost from $100,000 to $1,000,000.

**Bernhard & Priestley Rockport, ME**
*May 2008 – January 2010:* Designer-Draftsman / Intern Architect
Programming, code research, product research, design development, project coordination, contract document preparation, bidding administration and construction administration support for single family residential and a historic commercial restoration project ranging in cost from $500,000 to $2,000,000.

**Meyer & Meyer Inc. Boston, MA**
*August 2006 – April 2008:* Designer-Draftsman
Field Survey, code research, product research, design development, contract document preparation for single-family residential and a town hall façade restoration ranging in cost from $500,0Q0 to $10,000,000

**Archdesign Inc. Braintree, MA**
*September 2003 – March 2006:* Designer-Draftsman
Programming, code research, product research, design development, project coordination, contract document preparation and construction administration support for single and multi-family residential, MRI centers, biomedical, manufacturing, and research fit-outs ranging in cost from $100,000 to $2,000,000.

**The Architect's Studio Inc. Easton, MA**
*April 2002 – Sept. 2003:* Draftsman and Designer-Draftsman
Programming, field survey, code research, product research, design development, project coordination, contract document preparation and construction administration for single-family residential, small commercial and industrial work ranging in cost from $100,000 to $2,000,000.

**Fletcher-Thompson Inc. Bridgeport, CT**
*June 1999 - April 2002:* Level 1 Intern / Draftsman
Field survey, contract document preparation and general office support for the architectural and interiors departments with work on federal facilities, historic theater stabilization/preservation, corporate interiors and manufacturing facilities ranging in cost from $1,000,000 to $10,000,000.

**Education:**

**Construction Specifications Institute**
2012
Course work
Construction Documents Technologist (CDT)

**USGBC/GBCI**
2011
Course work
LEED Green Associate

**State of Maine**
2010
Selective Course Work
International Series Codes Training (MUBEC)

**Habitat for Humanity of Waldo County Belfast, ME**
2010
Volunteer work: Construction Committee
Code research, product research, design development, contract document preparation and office support for a single-family residential project.

**Boston Architectural College Boston, MA**
2002 - 2007
Master's Degree in Architecture
Member Boston Society of Architects and AIA
2006 BSA/BAC Scholarship Design Competition Winner

**Norwich University Northfield, VT**
1994 - 1998
Bachelor of Science with Studies in Architecture
Member N.U. AIAS
Summer/Winter Construction laborer for E.F. Wall & Associates, Inc. on
NU dormitory renovations and new hockey arena.
Spring 1998 design-build studio with Habitat for Humanity of Barre, Vermont.
Co-designer outbuilding for NU Rugby Team

## REFERENCES

The following Clients have retained our full architectural services, from design and construction documents through contract supervision.

Lisa Stewart **Women's Health Center**
Herbert Gibson, 941-4050
Former Director of Plant Services
Mount Desert Island Hospital

**Bar Harbor Savings and Loan**
Vicky Vendrell, 288-3685
Vice President and Treasurer
103 Main Street
Bar Harbor, Maine 04609

**Total Health Center at Marlboro College**
Daniel Cotter, 802-258-9297
2582 South Road
Marlboro, Vermont 05344

**Acadia National Park**
Keith Johnston, Head of Maintenance/ANP 288-8750
P. O. Box 177
Bar Harbor, Maine 04609

Professional References

Robert Shea, 667-2373
E. L. Shea Builders and Engineers
23 Church St, Ellsworth, ME 04605

Samuel Coplon, 288-4122
Coplon Associates Landscape Architects
112 Cottage St, Bar Harbor, ME 04609

*Additional References available on request*

# CARPENTER ASSOCIATES

Consulting Engineers


| | |
|---|---|
| **Firm Name:** | **Carpenter Associates** |
| **Principal of Firm:** | Randy T. Bragg, P.E., Owner |
| **Firm Address:** | 687 Stillwater Avenue, Old Town, ME 04468 |
| **Firm Tel. No.:** | (207) 827-8001 • Fax (207) 827-8234 |
| **E-Mail:** | info@carpenterassoc.com |


**Typical Services Offered:**

Facility Assessments
Feasibility Studies
Energy Use Analysis
Third Party Inspections
Life Cycle Cost Analysis
Owner's Representative
Heat Systems and Conversions
HVAC and Plumbing Design
Electrical Design / Backup Power
Facility Rehabilitation Projects

**Policy:**

Carpenter Associates has been providing engineering services since 1969. The firm's expertise is in the areas of full facility engineering for a diversified number of clients ranging from Architects, Cities, Towns, School Departments, Housing, and the Private Sector.

Carpenter Associates performs a wide variety of services on projects throughout the State of Maine. Projects range from very small site review projects to large new complex construction or renovation projects. The firm provides design services, development of plans and specifications for a public bidding process, contract award, and construction management to successfully complete each project within budget.

Carpenter Associates prides itself in not only the quality of our design services, but also in the one-on-one direct contact every client receives. The firm encourages the client to participate in the development process of the project with as much input as possible giving special attention to areas of initial cost and future maintenance.

Carpenter Associates, for more than forty years, has provided high-quality engineering service to the Building Industry. Primarily M/E/P engineers, we understand our attention to detail has the most impact regarding the sustainability and efficiency of all energy systems. Our engineers continuously research new technologies and equipment. Our sustainable design attitude ensures that waste and energy usage is minimized over the life of the project. Carpenter Associates' expertise also provides construction management services and/or commissioning to ensure all equipment components are operating as efficiently as intended, including completion of Owner training for maximum continued performance.

# RECENT SIMILAR PROJECTS

| CLIENT | PROJECT | LOCATION |
|---|---|---|
| Baldacci Development Associates | Schoolhouse Bathroom Ventilation | Bangor |
| Bangor School Department | Fruit Street School Elect Service Upgrade | Bangor |
| Bangor School Department | BHS Peakes Auditorium Fall Protection | Bangor |
| Bangor School Department | Mary Snow School Parking Lighting | Bangor |
| Bangor School Department | Downeast School Heat Conversion | Bangor |
| Bangor School Department | Downeast School Main Ent. Heat/Pressurization | Bangor |
| Bangor School Department | New Grease Traps for all 10 Schools | Bangor |
| Bangor School Department | 14th Street Classroom Counter/Sink Replacements | Bangor |
| Bangor School Department | Abraham Lincoln School Partial Roof Replacement | Bangor |
| Bangor School Department | Mary Snow School Replace Boiler Rm. Roof | Bangor |
| Bangor School Department | W.S. Cohen School Roof Replacement | Bangor |
| Bangor School Department | Mary Snow School Parapet Repairs | Bangor |
| Bangor, City of | Central Fire Station Fuel Tank Replacement | Bangor |
| Bangor, City of | Fire Station #5 | Bangor |
| Bangor, City of | Central Fire Station Roof | Bangor |
| Bangor, City of | Central Fire Station Structural | Bangor |
| Bangor, City of | Central Fire Station Roof | Bangor |
| Bangor, City of | Fire Stations Vehicle Exhaust | Bangor |
| Bangor, City of | Central Fire Station Paving | Bangor |
| Bangor, City of | City Hall Fire Alarm | Bangor |
| Bangor, City of | City Clerk Vault | Bangor |
| Bangor, City of | BIA Building 121 Generator | Bangor |
| Bangor, City of | BIA DAB Electrical Study | Bangor |
| Bangor, City of | Dock 13 Heat System Upgrade | Bangor |
| Bangor, City of | Kenduskeag PS Roof & Platform | Bangor |
| Bangor, City of | City Hall Roof | Bangor |
| Bangor, City of | Parks & Rec Old Armory Roof Replacement | Bangor |
| Bangor, City of | BIA Air Emission Permit | Bangor |
| Bingham & Woodward | Glenburn Fire Department | Glenburn |
| Boynton, Larry | Deblois Fire Department & Municipal Building | Deblois |
| Bradley, Town of | New Fire Station | Bradley |
| Brewer, City of | City Hall Roof | Brewer |
| Brooks, Daniel | Heating Evaluation | Bangor |
| Burlington, Town of | Municipal Building | Burlington |
| Caivano, Roc | T.O. 14.1 Rockefeller Hall Constr. Service | Winter Harbor |
| Camden Fire Department | Boiler/Energy Review | Camden |
| Camden Fire Department | Truck Bay Ventilation | Camden |
| Carmel Electric, Inc. | Wendy's HVAC Unit Upgrades | Biddeford |
| Carmel Electric, Inc. | C&L Aero Building Electrical | Bangor |
| Carmel Electric, Inc. | Augusta Ford Electrical Design | Augusta |
| Carmel Electric, Inc. | Goudreau's Waterfront Retirement Community Elect. | Winslow |
| CES, Inc. | Milo Building Electrical | Milo |
| CES, Inc. | Electrical Surge Protection | Seal Harbor |
| CES, Inc. | Hartland Electrical | Hartland |
| CES, Inc. | Milo Street Lights | Milo |
| CES, Inc. | Lobster Facility Electrical - Phase I | Steuben |
| CES, Inc. | Milford Street Lights | Milford |

# RECENT SIMILAR PROJECTS

| CLIENT | PROJECT | LOCATION |
|---|---|---|
| CES, Inc. | New Potato House | Presque Isle |
| CES, Inc. | Hartland Headworks Dry Well Upgrades | Brewer |
| CES, Inc. | Walkway Lighting | Howland |
| CES, Inc. | Electrical Design and CMP | Belfast |
| CES, Inc. | Bar Harbor Public Works MEP | Bar Harbor |
| CES, Inc. | Anaerobic Digestion Facility | Exeter |
| CES, Inc. | Guilford Mill Building Renovaitons | Eastport |
| CES, Inc. | ADP Relocation | Presque Isle |
| CES, Inc. | Control Room Ventilation | Ft. Fairfield |
| Coastal Farms and Foods | Electrical Engineering Support | Belfast |
| Coplon Associates | Schoodic Woods Campground-Outside | Schoodic |
| Coplon Associates | PH IV Schooner Commons Kitchen/Serving Rehab | Winter Harbor |
| Coplon Associates | Husson University Site Lighting | Bangor |
| Coplon Associates | Coplon Frazer Creek Title III | Schoodic |
| Design Group Collaborative | IDIQ Veterans Homes | Maine |
| Dirigo Engineering | Public Works Garage MEP Services | Newport |
| Dover-Foxcroft, Town of | Municipal Building Renovations | Dover-Foxcroft |
| Dover-Foxcroft, Town of | Public Safety Department Offices | Dover-Foxcroft |
| Dunbar & Brawn | D-B BIA Office Building Addition | Bangor |
| Eastern Maine Community College | Boiler Replacement and Control Upgrades | Bangor |
| Eric A. Chase Architecture | Opera House MEP | Stonington |
| Eric A. Chase Architecture | Stonington Opera House Fire Alarm | Stonington |
| Ervin Architecture LLC | Down East Orthopedics Mechanical/Plumbing | Bangor |
| Ervin Architecture, LLC | 324 Harlow St - Mech/Plumb | Bangor |
| Ervin Architecture, LLC | Blaze Restaurant Exhaust | Bangor |
| Fenney, Robert | Liberty Firehouse | Liberty |
| Fenney, Robert | Brooks Firehouse | Brooks |
| Fenney, Robert | Unity Firehouse | Unity |
| Fenney, Robert | New Firehouse | Lincolnville |
| Fraser Associates Architects | Bar Harbor Savings & Loan Heat and AC | Bar Harbor |
| Fraser Associates Architects | Schoodic Woods Campground-Inside | Schoodic |
| Fraser Associates Architects | Barrett Residence HVAC | Northeast Harbor |
| Frost, Gary (No File) | Bowers Mountain | Carroll Plt. |
| G. F. Johnston and Associates | Electrical Inspection | Bar Harbor |
| G.L. Frost Architecture | Bull Hill MEP | Bull Hill-Hancock |
| Gallop Power Greenville, LLC | Sprinkler Modifications | Greenville |
| Glenburn, Town of | Municipal Building Renovations | Glenburn |
| Glenburn, Town of | Fire Station Septic System | Glenburn |
| Glenburn, Town of | Fire Station Hose Tower Lift | Glenburn |
| Glenburn, Town of | Municipal Building Modifications | Glenburn |
| Glenburn, Town of | Municipal Building Renovations | Glenburn |
| Gordon, John | NHF Vault Addition | Bucksport |
| Guilford, Town of | Fire Station Addition | Guilford |
| Hedefine Engineering & Design | RFP NPS Three Sewage Systems | Acadia |
| Hermon, Town of | Fire Station Roof | Hermon |
| Hermon, Town of | Fire Station Site Assessment | Hermon |
| Hoyle, Tanner & Associates, Inc. | Bid Process Administration | |

# RECENT SIMILAR PROJECTS

| CLIENT | PROJECT | LOCATION |
|---|---|---|
| Indian Township Tribal Government | Tribal Government Buildng Elevator | Princeton |
| LaClaire Electric Inc. | Ops/Maint Bldg. Electrical Design Drawings | Oakfield |
| LaClaire Electric Inc. | Compression Bldg. Electrical Design Drawings | Oakfield |
| Machias Savings Bank | HVAC Renovations | Machias |
| Madison, Town of | Municipal Building Renovations | Madison |
| Madison, Town of | Municipal Building Renovations/Addition | Madison |
| Maine Commercial Realty | Boiler Ugrade to Natural Gas -15 Columbia Street | Bangor |
| Maine Energy, Inc. | Harold Alfond Rec. Center | Waterville |
| Maine Fire Protection | HoltraChem Sprinkler | Orrington |
| Marden's, Inc. | Warehouse Roof Structural | Waterville |
| Martin, Charles & Janice | Cedar Meadows Elderly Housing Domestic Water | Stetson |
| McHenry, William | Energy Assessment Becton Residence | East Blue Hill |
| McHenry, William | Cluett Residence Structural & Heating Design | Blue Hill |
| McHenry, William | Cluett Residence HVAC Troubleshoot Noise | Blue Hill |
| Merritt AIA, David | Veazie Municipal Bldg. Renovations | Veazie |
| Merritt, David | Chamberlain Place Senior Housing | Brewer |
| Murphy, Richard | Sigma Alpha Epsilon House Roof | Orono |
| Nguyen, Xavier | Plumbing Plans for New Restaurant | Bangor |
| Old Town Fire Dept. | Vehicle Exhaust System | Old Town |
| Old Town, City of | Municipal Building Handicap Modifications | Old Town |
| Old Town, City of | Municipal Building Renovations | Old Town |
| Old Town, City of | Municipal Building Facility Assessment | Old Town |
| Old Town, City of | New Fire Station | Old Town |
| Passamaquoddy Tribe | Boiler Replacement | Princeton |
| Phantom Fireworks | Fireworks Store MEP & Sprinkler | Holden |
| Pilgrim Orthodox Presbyterian Church | Mt. Hope Avenue Chuch Ventilation | Bangor |
| Piscataquis Regional YMCA | HVAC Assessment | Dover Foxcroft |
| Piscataquis Regional YMCA | HVAC Renovations | Dover Foxcroft |
| Portage Municipal Building | Heating System | Portage |
| Robbins Lumber Co. | EPA Boiler Assessment | Searsmont |
| The Ames Corporation | Bar Harbor Police/Fire HVAC Sys Review | Bar Harbor |
| University of Maine Fort Kent | Fox Auditorium Fire Alarm System | Fort Kent |
| University of Maine Machias | Dorwood Hall Lounge Roof | Machias |
| Webber Real Estate | CHCS Office HVAC | Bangor |
| Woodward, Sam | Penobscot Fire Station | Penobscot |
| Woodward, Sam | Police/Fire Station Addition | Princeton |
| Woodward, Sam | Birchwood Living Center & Boiler Upgrades | Ellsworth |
| Woodward, Sam | Princeton Healthcare Renovation of Office Space | Princeton |

# CARPENTER ASSOCIATES
## Consulting Engineers

**PERSONAL HISTORY - EXPERIENCE**

**RANDY BRAGG, P.E.**

**Professional Engineer Registration**

State of Maine #7278
State of Connecticut #26634
State of New Hampshire #13039
State of Vermont #9252

**Education**

- M.E. Mechanical Engineering, University of Maine, 1994
- B.S. Mechanical Engineering, University of Maine, 1987

**Licenses**

Fire Protection Engineer - State of Maine
Responsible Managing Supervisor #734
Fire Sprinkler Inspector #735

**Awards/Certifications**

2010 AGC Build Maine Award—Municipal Division

MUBEC Inspection - Third Party #4
Commercial Building Code
Commercial Energy Code
Indoor Commercial Ventilation Code
Residential Building Code
Indoor Residential Ventilation Code

**Organizations**

American Consulting Engineers Council State Director (ACEC)
Member American Society of Mechanical Engineers (ASME)
Member American Society of Civil Engineers (ASCE)
Member American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE)
Member Maine Qualification Based Selection Council Co-Chair (QBS)
LEED New Construction & Major Renovation Training

**Qualifications Summary**

Consulting Engineering design development and analysis, experience with proposals for engineering services, cost alternative analysis, feasibility assessments, design and analysis, contract documents, construction drawings, technical specifications, and construction administration. Familiar with various software, such as MSProject, AutoCad, MDSolids, ALGOR, MathCad, HydroCAD, as well as advanced education in fluid mechanics, heat transfer, energy theories, solid mechanics, vibrations, strength of materials, theory of plates and shells, and finite element methods.

## Work Experience

**Professional Engineer/Owner:** *(2003-Present)*
*Carpenter Associates, Old Town, ME*
Ownership responsibility for company projects with a wide variety of building projects including structural and mechanical systems. We continue to provide full engineering services on an ongoing basis to the City of Old Town, the City of Bangor, and the Bangor School Department as well as other municipalities and school systems. We typically provide inspection services on most projects and act as Owner's Representative on larger projects. Projects include a wide variety of local, state, and federal funds utilizing the latest building, energy, and land use codes. Land use, such as planning, permitting, design of subdivisions, site, roadway and utility design, and storm water management plans are also within our expertise.

**Professional Engineer** *(2001-2003)*
*Apex Engineering and Technologies, Inc., Levant, ME*
Responsible for research and development, analysis and design of Mechanical engineering projects including experimental testing.

Laser Welding Test Platform – Design/Build
Dimensional and Accuracy Control Automation – Plate Edge
Webber Propane Truck Bumper Analysis and Design

**Mechanical Engineer II** *(2000-2003)*
*University of Maine, Department of Industrial Cooperation, Orono, ME*
Responsible for management, design/analysis and testing of composites and hybrid connections for Navy applications for the Office of Naval Research projects, as well as other private research projects.

Modular Advanced Hull Forms
Advanced Hull Form Inshore Demonstrator
Foam Panel Testing

**Instructor** *(1999)*
*Instructor at University of Maine, Orono, for the College of Engineering Technology, Mechanical Engineering Technology Department., Thermodynamics.*

**Project Manager/Senior Engineer** *(1989-2000)*
*James W. Sewall Company, Old Town, ME*
Responsible for management and design of Mechanical/Civil engineering projects including proposal writing to project scheduling; budget cost to design development and analysis; and quality checks to field inspections, testing and record documents.

**Junior Project Engineer** *(1987-1989)*
*Aroostook Engineers, Inc., Presque Isle, ME*
Responsible for design of mechanical systems, construction drawings, technical specifications, and field inspection.

# CARPENTER ASSOCIATES
## Consulting Engineers

**HISTORY - EXPERIENCE**

**ALISSA SMITH, P.E.**

**Education**

**Licensed Professional Engineer** - ME #13450 & IL #062065168
**LEED Accredited Professional** - December 2008
U.S. Green Building Council
**Iowa State University of Science and Technology**
Ames, Iowa Bachelor of Science in Mechanical Engineering - May 2008
Emphasis in HVAC

**Work Experience**

**Carpenter Associates, Consulting Engineers – Professional Engineer 2013 - Present**
Mechanical Engineering for a wide range of new and renovated residential, municipal and commercial projects generally listed as follows:

- HVAC systems analysis and design.
- Plumbing systems analysis and design.
- Fire protection and alarm systems analysis, design and review.
- Construction monitoring.
- Development of plans and specifications.
- Use ReVit MEPand AutoCad for developing system plans and details.

**CCJM - Mechanical Engineer**
Acquired Holabird & Root MEP Chicago, IL February 2013—June 2013

**Holabird & Root, LLC - HVAC Engineer in Training**
Rochester, MN June 2008—March 2009
Chicago, IL March 2009—March 2013

Responsibilities/Skills:

- Sized Ductwork, Piping, & Equipment for Mechanical and Plumbing systems.
- Developed Revit MEP standards, built libraries, & produced the office's first few projects using the software.
- Used TRACE to model building loads & energy consumption.
- Used ASHRAE standards to calculate outdoor air and exhaust requirements.
- Used applicable codes to determine plumbing and mechanical requirements.
- Documented LEED credit requirements onto the USGBC website.
- Coordinated layouts with Architecture staff.
- Attended seminars for continuing education in the HVAC industry.
- Mentored 4 incoming graduates and interns.

***Bobcat Company—Quality Control Co-Op***
Bismarck, ND Spring/Summer 2006

Responsibilities/Skills:

- Determined daily Scrap or Vendor Defect Parts & submitted them for credit from suppliers.
- Audited excavators by driving and visual inspection
- Inspected in-house parts and suggest solutions for quality improvement.

# CARPENTER ASSOCIATES
## Consulting Engineers

**PERSONAL HISTORY - EXPERIENCE**

**JEANNA M. DETOUR**

**Education**

- Associate of Science Degree in Building and Construction Engineering, Vermont Technical College, Randolph, VT 1987

**Qualifications Summary**

Engineering Technician offering a strong background in building construction. Over 20 years experience in site layout, building design, traffic analysis and CAD drawing. Experienced in evaluating site and building systems, health and safety conditions, physical and structural conditions, environmental and accessibility conditions, and estimating costs of repairing, replacing and improving site and building components for Capital Needs Assessments (CNA). Environmental permitting for local, state and federal agencies. Investigations and report documents for Phase I Environmental Site Assessment.

**MUBEC Inspection—Third Party #101**

Residential Building Code, Commercial Building Code, Residential Energy Code, Commercial Energy Code, Residential Ventilation Code and Commercial Ventilation Code

**Work Experience**

**Carpenter Associates, Consulting Engineers, Old Town, ME, (2004-present)**
Engineer Assistant: Responsible for design assistance and production of construction drawings for a wide variety of projects. Performs numerous Capital Needs Assessments annually. Prepares MDEP, Natural Resource Protection Act (NRPA), and Stormwater permits applications, as well as the preparation of permit applications for the U.S. Army Corps of Engineers. Conducts investigations and provides reports of existing sites for Phase I Environmental Site Assessments. Submissions to Fire Marshal for review including accessibility and construction permits.

**James W. Sewall Company, Old Town, ME (2000-2004)**
Senior Engineering Technician: Performed field observation services as Owner Representative and technical advisor for office buildings, schools and various sites. Responsible for detailed drawings for construction and facility assessments for Civil/Structural projects. Key assessment projects included: Mount Jefferson Jr. High School in Lee, Maine, Old Town Water District, Old Town, Maine, Envisionet Office Building, Orono, Maine and the Town of Hampden, Maine.

**Lane Supply Company, Brewer, ME (1995-2000)**
Field Technician and CAD Operator: Responsible for designing of steel and steel components for fabrication. Key customers included: Kimberly-Clark, Georgia Pacific and the United States Coast Guard.

**James W. Sewall Company, Old Town, ME (1988-1995)**
Engineering Technician: Responsible for field survey, design assistance, construction plans and specifications, permitting, traffic studies and contract administration for Civil engineering projects. Key projects included: Shaw's Supermarkets, Inc., MDOT, Wal-Mart Stores, Town of Enfield, Dover-Foxcroft and Houlton, Maine.

**Eaton W. Tarbell and Associates, Bangor, ME (1987-1988)**
Field Technician and Drafter: Prepared design drawings of residential and commercial buildings. Duties included field investigating, field inspection and drafting plans from Eaton W. Tarbell, AIA. Responsible for managing projects from the design stage to final product. Key projects included: the University of Maine Center for the Arts, a residence for Francis Dorsey and a residence for Christopher Almy, DA of Bangor.

# CARPENTER ASSOCIATES
## Consulting Engineers

**HISTORY - EXPERIENCE**

**BRIAN NIELSEN**

**Education**

**B.S. Mechanical Engineering** University of Maine, Orono, Maine—2012
- Fundamentals of Engineering Exam (EIT Certification)
- Relevant Training: Advanced Thermodynamics, Fluid Structure Interaction, Machine Design, Advanced Fluid Mechanics, Aeronautics, Flight Dynamics, Control Systems, Vibrations, Materials Science, Heat Transfer, Finite Element Methods

**Specialized Skills**

- Designing Biological Material Mechanics Experiments
- Specialized Computer Skills( Microsoft Office, FORTRAN, MATLAB, VBA, C#)
- CAD Skills (Solidworks and AutoCAD)
- Machining (MIG Welding, Milling)
- Fiberglass Construction

**Work Experience**

**Carpenter Associates, Consulting Engineers - Engineer, 2013 - Present**
Mechanical, Electrical, and Civil Engineering for a wide range of residential, municipal and commercial projects generally listed as follows:

- Heating, Ventilation and Air Conditioning systems design including chillers, air handlers, energy recovery units
- Plumbing systems design including grease traps and building sanitary systems
- Basic Electrical systems analysis, design and review.
- Construction monitoring.
- Development of plans and specifications.

**Manufacturing Engineer** (2012 - 2013)
United Technologies Corporation, Pittsfield, Maine

**Biomimetic Remotely Operated Vehicle (2011-2012)**
Senior Capstone Project: Underwater Robotics, University of Maine, Orono

**Student Researcher** (2010-2012)
Tissue Engineering Lab: Biological Material Mechanical Engineering, University of Maine, Orono, Maine

**Outside Interests**

York Center for Wildlife, Cape Neddick, Maine (2005-2008)
Engineers Without Borders (2014)
Martial Arts (2002-Current)

# CARPENTER ASSOCIATES
## Consulting Engineers

**HISTORY - EXPERIENCE**

**RYAN KEEZER**

**Education**

- University of Maine, Bachelor's Degree, Mechanical Engineering Technology
- Engineer in Training (E.I.T.)
- Eastern Maine Community College, Associates Degree, Drafting/Design Engineering
- Eastern Maine Technical College, Computer Repair
- United Technology Center, Real Estate Certificate

**Qualifications Summary**

Engineering Technician offering experience in HVAC Design, HVAC Building Automation Systems, Controls and Commissioning, Project Management, Design and Drafting Projects, with over 10 years of Construction experience. Experienced in AutoCAD, Microstation, Autodesk, Revit, Soildworks, Solidedge, Surfcam, CNC10, Labview, VisualBasic, as well as all Microsoft Office.

**Work Experience**

**Carpenter Associates, Consulting Engineers, (2014-Present)**
Mechanical, Electrical, and Civil Engineering for a wide range of residential, municipal and commercial projects generally listed as follows:

- HVAC systems analysis, design and review.
- Plumbing systems analysis, design and review.
- Electrical systems analysis, design and review.
- Construction monitoring.
- Development of plans and specifications.

**Honeywell, Field Specialist (2012-2014)**
HVAC Control System installation and related activities in a commercial construction and/or retrofit environment. Performed HVAC testing and start up across a wide range of electrical and mechanical Systems. Provided technical knowledge and support of automation/integration solutions. Also, performed quality control, job site safety, and equipment commissioning.

**Nyle Systems, Design Engineer (2011)**
Designed and tested products for optimal performance, contributed to product improvement projects, identified vendors of critical components, material acquisition, and bill of materials. Also, was project manager on new project development and product improvements.

**Milton Caterpillar, Field and Power Systems Co-Op Engineer (2010)**
Troubleshot engine/hydraulic complaints, research systems using blue prints, scheduled technicians for daily jobs, sourced parts and scheduled delivery of service/parts.

**Community Involvement/Interests**

- International Certified Tae Kwon Do Coach and Referee
- Bangor YMCA, Director, Teacher of three divisions of Martial Arts..
- Martial You, Member on Board of Directors
- YMCA, Volunteered hundreds of hours assisting instructors and students of all ages. Designed and performed many talents shows, tournaments, and assisted in fairs.
- Bangor Baptist Church, Member of Security Team

# CARPENTER ASSOCIATES

Consulting Engineers

## REFERENCES

Robert Beaton
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Bangor International Airport
287 Godfrey Boulevard
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Alan Kochis
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73 Harlow Street
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akochis@bangorschools.net

Andy Jacobs
Director of Facilities Management
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Brewer School Department
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**ENVIRONMENTAL SAFETY PROFESSIONALS**
21 Sylvan Drive, Brewer, ME 04412
(207) 989-6848

**ESP** offers unparalleled experience in the broad fields of industrial hygiene and environmental health. Our inspection team leaders will include:

- *Mark Morehouse, BS, CIH, CSP.* With over 20 years of professional level experience and a long history of successful compliance monitoring, program development and hazard abatement for industrial facilities, municipalities, schools, hospitals, commercial and residential facilities. Long-term clients include General Electric, Great Northern Paper, Fort James, Georgia-Pacific, Eastern Papers, Wausau Papers, B&A Railroad, Bath Iron Works, The University of Maine System, Maine Department of Transportation, Bangor Hydro, Maine Air National Guard,

- *Chris Atwood, CSP, OHST,* has over 15 years experience with industrial hygiene and safety management in industrial facilities, commercial, school and residential facilities. Mr. Atwood has experience providing complete hazard abatement design and project management for some of the largest projects in Maine including the "Big Red" environmental remediation in East Millinocket, the Eastland Woolen Mills Super Fund Project in Corinna and the University Fogler Library and Oak Hall Projects.

**ESP** also offers a well qualified technical level staff with professional training in microscopic analysis from the McCrone Institute as well as other pertinent training from Harvard, Tufts and Georgia Institute of Technology make our staff the most qualified in the State of Maine. **ESP** is a State licensed training provider and has extensive experience developing and delivering site specific and regulatory training programs including Asbestos Awareness for NYNEX, LSAD's and hundreds of Class III, IV, Confined Space, Heat Stress, Respiratory Protection, Haz-Mat, Lead and Mercury Awareness and many more throughout the State.

**Mark Morehouse**, BS, CIH, CSP

| | |
|---|---|
| Certified Industrial Hygienist | CP 5994 |
| Certified Safety Professional | 13216 |

**CONESTCO.**

*222 Mountain Road*
*Raymond ME 04071*

*207.627.4099 Telephone*
*207.627.4099 Telecopier*

*Opinions of Probable Cost ~ Construction Consulting ~ Value Engineering*

## CONSTRUCTION PROJECT SUMMARY

Listed works represent New England projects performed as a direct consultant to the project Architect, Owner, or Developer from company inception in January 1995 to the present. Project amounts are given in millions of dollars, i.e. $10.00 m equals $10 million. The contract types include work involving the following categories of general construction, utilizing primarily conventional construction with occasional incorporation of pre-engineered systems building construction.

***Architect bid / spec***

a. Conceptual and early preplanning;
b. Creation of outline specifications;
c. Interpretive takeoff and cost estimation from plan documents in any or all of the Conceptual, Schematic, Design Development, or Contract Documents design phases;
d. Incorporation and review of information received from solicited subcontracts and suppliers;
e. Constructability reviews for both original and redesign criteria;
f. Study of project documents for synthesis and providing of value analysis and life cycle costing reviews.

***Design / build***

a. Client needs development through planning, presentations, and review process with regulatory authorities;
b. Site inspections and building layout;
c. Coordination with permit set design teams;
d. Review of floor plans, elevations, and outline specifications;
e. Project estimation;
f. Constructability and value analysis reviews.

Project construction types provided following each project listing reference the following major construction genre:

(s) Major sitework
(n) New construction
(a) Addition to existing
(r) Renovation to existing
(ar) Combination addition/renovation

**Educational / Athletic / Community / Recreational**

***2014***

$20.58 m ~ Brunswick Jordan Acres Elementary School/PDT Architects, Portland ME (architect) ~ Public school (s-n)
$ 6.94 M ~ CMCC Academic Building/Harriman Architects, Auburn ME (architect) ~ Sciences building (s-n)
$ 3.83 m ~ SMCC Midcoast Bldg 645/SMRT, Portland ME (architect) ~ Community college (s-r)
$ 3.41 m ~ Casco Bay High School/PDT Architects, Portland ME (architect) ~ Public school (s-r)
$ 2.71 m ~ KVCC Building Upgrades/SMRT, Portland ME (architect) ~ Community college buildings (s-r-n)
$ 2.47 m ~ UNH Woodside Apts/Manypenny Murphy Architects, Portsmouth NH (architect) ~ University residences (r)
$ 0.94 m ~ Portland Public School 353 Cumberland Ave-1st/PDT Architects, Portland ME (architect) ~ Public school (s-n)

***2013***

$44.28 m ~ Kennebunk High School/Harriman Associates, Auburn ME (architect) ~ Public school (s-ar)
$22.52 m ~ Wells High School/Lavallee Brensinger Architects, Manchester NH (architect) ~ Public school (s-ar)
$21.76 m ~ Corinth K - 12 School/Harriman Associates, Auburn ME (architect) ~ Public school (s-n)
$11.30 m ~ NH Technical Institute Academic Building/Cowan Goudreau, Concord NH (architect) ~ Tech school (s-ar)
$10.50 m ~ Oxford Hills Recreation Center/PDT Architects, Portland ME (architect) ~ Community recreation (s-n)
$10.37 m ~ Coffin Elementary School/PDT Architects, Portland ME (architect) ~ Private school (ar)
$ 7.57 m ~ Gorham High School/PDT Architects, Portland ME (architect) ~ Public school (n)
$ 6.27 m ~ Goodwill Hinckley Moody School/Harriman Associates, Auburn ME (architect) ~ Private school (s-ar)
$ 5.64 m ~ Brunswick Junior High/PDT Architects, Portland ME (architect) ~ Private school (ar)
$ 5.14 m ~ Kennebec Valley Community College Hinckley/SMRT, Portland ME (architect) ~ Lab & classrooms (s-n)
$ 4.13 m ~ UNH - The Gables Apartments/Harriman Associates, Auburn ME (architect) ~ University dormitories (r)
$ 2.33 m ~ Hudson Senior Center/Warrenstreet Architects, Concord NY (architect) ~ Area senior center (s-n)
$ 2.26 m ~ Bucksport High School/Winton Scott Architects, Portland ME (architect) ~ Facade replacement (r)
$ 2.17 m ~ Estabrooke Hall UMO/Scott Simons Architects, Portland ME (architect) ~ University residential (ar)
$ 1.96 m ~ Abenaqui Country Club/DeStefano Architects, Portsmouth NH (architect) ~ Private golf club (s-ar)
$ 1.48 m ~ Portland Public School 353 Cumberland Ave/PDT Architects, Portland ME (architect) ~ Public school (s-n)
$ 1.44 m ~ UNH Woodside Bathrooms/Manypenny Murphy, Portsmouth NH (architect) ~ University building remodel (r)
$ 0.96 m ~ Goodwill Hinckley Moody Building/Harriman Associates, Auburn ME (architect) ~ Private school envelope (r)
$ 0.85 m ~ Portland Public School 353 Cumberland Ave-1st/PDT Architects, Portland ME (architect) ~ Public school (s-n)
$ 0.73 m ~ USM Academy Hall/John Charette AIA, Portland ME (architect) ~ University building remodel (s-r)
$ 0.64 m ~ Riverside GC North Course Clubhouse/Winton Scott Architects, Portland ME (architect) ~ Club house (r)
$ 0.62 m ~ Estabrooke Hall UMO Add'n/Scott Simons Architects, Portland ME (architect) ~ University residential (r)
$ 0.35 m ~ Wells High School Gym Floor/Lavallee Brensinger Architects, Manchester NH (architect) ~ Gym reflooring (r)
$ 0.17 m ~ Colby Keyes Hall/SMRT, Portland ME (architect) ~ University building remodel (r)
$ 0.17 m ~ Huddleston Hall Restrooms/Manypenny Murphy, Portsmouth NH (architect) ~ University building remodel (r)

***2012***

$12.02 m ~ Freeport High School/PDT Architects, Portland ME (architect) ~ Public school (s-ar)
$ 8.16 m ~ Thornton Academy Master Plan/ PDT Architects, Portland ME (architect) ~ Private school (ar)
$ 5.33 m ~ Region 10 Technical High School/PDT Architects, Portland ME (architect) ~ Public school (s-ar)
$ 5.30 m ~ NMCC Wellness & Student Center/WBRC Architects, Bangor ME (architect) ~ University commons (s-ar)
$ 2.30 m ~ Estabrooke Hall UMO/Scott Simons Architects, Portland ME (architect) ~ University residential (ar)
$ 2.17 m ~ Hudson Senior Center/Warrenstreet Architects, Concord NY (architect) ~ Area senior center (s-n)
$ 2.12 m ~ Manchester CC Welding/Warrenstreet Architects, Concord NH (architect) ~ Community college shop (s-ar)
$ 1.60 m ~ Hanscom Hall/Scott Simons Architects, Portland ME (architect) ~ Private academy (s-r)
$ 1.13 m ~ Academy Hall NYA/Scott Simons Architects, Portland ME (architect) ~ Private academy historical hall (r)
$ 0.47 m ~ Manchester Elementary School/PDT Architects, Portland ME (architect) ~ Public school (ar)
$ 0.28 m ~ Raymond Elementary School/PDT Architects, Portland ME (architect) ~ Public school (r)
$ 0.19 m ~ University of Maine School of Law/Gawron Turgeon Architects, Scarborough ME (architect) ~ University law (r)
$ 0.12 m ~ UNH Barton Hall 134/Warrenstreet Architects, Concord NH (architect) ~ University (r)

***2011***

$ 7.02 m ~ Stewart Media/Arts Complex-UMO/University of Maine Orono (owner) ~ University media center (s-ar)
$ 6.72 m ~ MSAD 61 Voc-Tech/PDT Architects, Portland ME (architect) ~ Public school (a-r)
$ 6.64 m ~ UMF Dearborn Gymnasium/PDT Architects, Portland ME (architect) ~ University events center (a-r)
$ 5.11 m ~ Community Center @ Frisbee Common/ BH+A Architects, Boston MA (architect) ~ Community center (s-ar)
$ 4.01 m ~ Nutting Hall-UMO/Lewis & Malm Architecture, Bucksport ME (architect) ~ University envelope & hvac upgrade (r)
$ 3.44 m ~ All Saints Events Center/Scott Simons Architects, Portland ME (architect) ~ Private school rec center (s-n)
$ 0.59 m ~ N Hampton State Beach Park Bath House/ Samyn D'Elia Architects, Ashland NH (architect) ~ State beach (s-n)
$ 0.54 m ~ 57 Depot Street/Scott Simon Architects, Portland ME (architect) ~ Community services (s-ar)
$ 0.53 m ~ USM Simulation Laboratory/SMRT, Portland ME (architect) ~ University physics lab (r)
$ 0.39 m ~ Ridge @ Riverwoods Fitness Center/Pine Brook Corporation, Kittery ME (developer) ~ Fitness addition (s-n)
$ 0.19 m ~ Litchfield Community CenterDeStefano Architects, Portsmouth NH (architect) ~ 55 + community center (s-n)

**Educational / Athletic / Community / Recreational (continued)**

***2010***

$49.39 m ~ Mt. Blue High School/PDT Architects, Portland ME (architect) ~ Public school (n)
$14.36 m ~ Woolwich PreK – 8 School/Lewis & Malm Architecture, Bucksport ME (architect) ~ Public school (s-ar)
$ 8.44 m ~ Camp Ramah New England/Bargmann Hendrie, Boston MA (architect) ~ Private camp (s-ar)
$ 7.10 m ~ Frisbee School/ BH+A Architects, Boston MA (architect) ~ Community center (s-ar)
$ 7.08 m ~ Somersworth Hilltop Elementary School/Warrenstreet Architects, Concord NH (architect) ~ School re-use(s-ar)
$ 6.28 m ~ Strong Charter Foundation/Warrenstreet Architects, Concord NH (architect) ~ Private charter school (s-n)
$ 6.19 m ~ Greenville Union 60 Oakes Facility/Union 60, Greenville ME (owner) ~ School re-use (r)
$ 5.62 m ~ Gorham High School/PDT Architects, Portland ME (architect) ~ Public school (n)
$ 5.28 m ~ Hanscom Hall-Gould Academy/ Scott Simons Architects, Portland ME (architect) ~ Private school (s-n)
$ 4.88 m ~ MSAD 61 Educational Services Building/PDT Architects, Portland ME (architect) ~ Tech & trades facility (n)
$ 4.22 m ~ Murphy Foundation/Joy & Hamilton Architects, Auburn ME (architect) ~ Private foundation special needs (s-n)
$ 4.08 m ~ Quincy Head Start/BH+A Architects, Boston MA (architect) ~ Community head start program (s-ar)
$ 3.95 m ~ University of New Hampshire Multiple Building Study/ UNH, Durham NH (owner) ~ State university re-use (r)
$ 3.44 m ~ All Saints Events Center/Scott Simons Architects, Portland ME (architect) ~ Private school rec center (s-n)
$ 2.37 m ~ Shapleigh School/Lassel Architects, South Berwick ME (architect) ~ Public school (s-ar)
$ 2.00 m ~ Ocean Park Association/Barba & Wheelock Architects, Portland ME (architect) ~ Private association retreat (ar)
$ 1.97 m ~ Mitchell School/Lassel Architects, South Berwick ME (architect) ~ Public school (s-ar)
$ 1.80 m ~ Maine Appalachian Trail Club/Richard Renner Architects, Portland ME (architect) ~ Mountain camps (n)
$ 1.37 m ~ Forest Bioproducts Research initiative UMO/SMRT, Portland ME (architect) ~ University research project (s-a)
$ 0.67 m ~ Lisbon High School Façade/Scott Simons Architects, Portland ME (architect) ~ Public school (s-ar)
$ 0.28 m ~ Old Town High School Shop Wing/WBRC, Bangor ME (architects) ~ Public school shop (r)
$ 0.23 m ~ University of New Hampshire Outer Fields Storage/UNH, Durham NH (owner) ~ Athletic fields storage (s-n)
$ 0.12 m ~ University of New Hampshire Boat House/UNH, Durham NH (owner) ~ Boat house rebuilding (s-n)

***2009***

$22.97 m ~ Lebanon Middle School Bank Street/Banwell Architects, Lebanon NH (architect) ~ Public school (s-n)
$21.49 m ~ Lebanon Middle School Route 4/Banwell Architects, Lebanon NH (architect) ~ Public school (s-n)
$16.75 m ~ Gorham Elementary School/PDT Architects, Portland ME (architect) ~ Public school (n)
$16.25 m ~ Brunswick Elementary School/PDT Architects, Portland ME (architect) ~ Public school (n)
$15.11 m ~ Hampton Beach Feasibility/Samyn D'Elia Architects, Ashland NH (architect) ~ Municipal beach & boardwalk (s-n)
$14.10 m ~ Lisbon High School/Scott Simons Architects, Portland ME (architect) ~ Public school (s-ar)
$ 6.85 m ~ MSAD 61 Core Improvements & Additions/PDT Architects, Portland ME (architect) ~ Public school (a-r)
$ 6.35 m ~ Brewer Municipal Swimming Pool (Combined)/BH+A Architects, Boston MA (architect) ~ Municipal pool (s-n)
$ 5.85 m ~ UNH Child Study Development Center/Warrenstreet Architects, Concord NH (architect) ~ University child (s-n)
$ 5.38 m ~ Brewer Municipal Swimming Pool (Indoor)/BH+A Architects, Boston MA (architect) ~ Municipal pool facility (s-n)
$ 4.92 m ~ Hanscom Hall-Gould Academy/ Scott Simons Architects, Portland ME (architect) ~ Private school (s-n)
$ 3.09 m ~ Unity College Dormitory/ PDT Architects, Portland ME (architect) ~ Private college (a-r)
$ 2.13 m ~ Unity College Science Lab/ PDT Architects, Portland ME (architect) ~ Private college (n)
$ 1.37 m ~ Brewer Municipal Swimming Pool (Outdoor)/BH+A Architects, Boston MA (architect) Municipal pool facility (s-n)

***2008***

$20.87 m ~ Brunswick Elementary School/PDT Architects, Portland ME (architect) ~ Public school (n)
$20.49 m ~ Gorham Elementary School/PDT Architects, Portland ME (architect) ~ Public school (n)
$18.28 m ~ Kimball Union Academy Athletic Center/UK Architects, Hanover NH (architect) ~ Private school (s-ar)
$13.62 m ~ Woolwich PreK – 8 School/Lewis & Malm Architecture, Bucksport ME (architect) ~ Public school (s-ar)
$11.69 m ~ Gould Academy Master Plan/ Scott Simons Architects, Portland ME (architect) ~ Private school (s-n)
$10.95 m ~ Claremont Community Center/UK Architects, Hanover NH (architect) ~ Community center (s-n)
$ 9.71 m ~ Brewster Academy Ice Arena/Warrenstreet Architects, Concord NH (architect) ~ Private school (s-n)
$ 5.60 m ~ Foxcroft Academy Dormitory/Scott Simons Architects, Portland ME (architect) ~ Private school (s-n)
$ 4.68 m ~ Eastman Community Association/Warrenstreet Architects, Concord NH (architect) ~ Private association (s-n)
$ 4.20 m ~ MacRury School/DC Designs, Concord NH (architect) ~ Technical institute building improvements (r)
$ 2.83 m ~ Brewster Academy/Scott Simons Architects, Portland ME (architect) ~ Private school (s-n)
$ 2.62 m ~ Kittery Frisbee School/WBRC Architects, Portland ME (architect) ~ Public school (r)
$ 1.84 m ~ SMCC Health Sciences Building/Winton Scott Architects, Portland ME (architect) ~ Community college

**Educational / Athletic / Community / Recreational (continued)**

***2007***

$16.81 m ~ Ashland Pre-K Thru 12 School/Lewis & Malm Architecture, Bucksport ME (architect) ~ Public school (s-n-r)
$10.31 m ~ Rockport Elementary School/ PDT Architects, Portland ME (architect) ~ Public school (s-n)
$ 9.53 m ~ Berwick Land Re-Use/Lassel Architects, South Berwick ME (architect) ~ Public safety-community center (s-n-ar)
$ 8.31 m ~ Lake Region MSAD 61 Master Plan/PDT Architects, Portland ME (architect) ~ Public school (ar)
$ 8.20 m ~ Standish Community Center/ Bargmann Hendrie, Boston MA (architect) ~ Community center (s-n)
$ 4.83 m ~ Brunswick High School A-B Wing Re-Use/ PDT Architects, Portland ME (architect) ~ Community center (s-n)
$ 4.72 m ~ Grey-New Gloucester High School/ PDT Architects, Portland ME (architect) ~ Public school (a-r)
$ 4.24 m ~ Foxcroft Academy Residences/Scott Simons Architects, Portland ME (architect) ~ Private academy dorm (n)
$ 2.65 m ~ Portland Pirates Training Facility/Winton Scott Architects, Portland ME (architect) ~ Professional sports (s-ar)
$ 2.25 m ~ SMCC Health Sciences Building/Winton Scott Architects, Portland ME (architect) ~ Community college (r)
$ 1.79 m ~ York High School Music Addition/PDT Architects, Portland ME (architect) ~ Band & chorus spaces (s-a)
$ 1.08 m ~ Ashland NH Historical/Samyn D'Elia Architects, Ashland NH (architect) ~ Community historical (s-r)
$ 1.05 m ~ Colvin Hall/Scott Simons Architects, Portland ME (architect) ~ University hall (r)
$ 0.80 m ~ Russell School/PDT Architects, Portland ME (architect) ~ Public school (s-ar)
$ 0.76 m ~ 7 East Wheelock Street/UK Architects, Hanover NH (architect) ~ Private university club (r)
$ 0.34 m ~ Littleton Area Learning Center Child Care/EH Danson Associates, St. Johnsbury VT (architect) ~Child care (s-r)
$ 0.28 m ~ Waban Project Bath House/Lassel Architects, South Berwick ME (architect) ~ Camp facility (s-n)
$ 0.17 m ~ Warren Community School/Stewart Engineering, Barnet VT (engineer) ~ Structural renovations (r)

***2006***

$ 8.96 m ~ George Stevens Academy & Performing Arts/Scott Simons Architects, Portland ME (architect) ~ Private (s-n)
$ 8.45 m ~ Peru Elementary School/PDT Architects, Portland ME (architect) ~ Public school (n)
$ 7.17 m ~ York High School Auditorium/PDT Architects, Portland ME (architect) ~ Performing arts (s-ar)
$ 4.14 m ~ Grey-New Gloucester high School/ PDT Architects, Portland ME (architect) ~ Public school (a-r)
$ 2.49 m ~ The Links @ Outlook Golf Course/Lassel Architects, South Berwick ME (architect) ~ Golf course (s-ar)
$ 2.21 m ~ Unity Activities Building/Richard Renner Architects, Portland ME (architect) ~ (College activities building (s-n)
$ 2.21 m ~ Grey-New Gloucester Schools/PDT Architects, Portland ME (architect) ~ Public schools (r)
$ 1.78 m ~ IBEW Apprentice Training School/C N Carley Associates, Concord NH (architect) ~ Training facility (s-a)
$ 1.48 m ~ Balentine Hall – UMO/Scott Simons Architects, Portland ME (architect) ~ University hall (s-ar)
$ 1.32 m ~ NHTI Health Education Center/DC Designs, Concord NH (architect) ~ Technical institute training center (s-n)
$ 0.39 m ~ Plymouth Regional Senior Center/Samyn D'Elia Architects, Ashland NH (architect) ~ Senior center (r)
$ 0.23 m ~ Culinary Arts Kitchen/SMRT, Portland ME (architect) ~ Culinary school (r)
$ 0.19 m ~ Dorothy Stevens Community Center/Joy & Hamilton, Sanford ME (architect) ~ Community center (r)

***2005***

$21.05 m ~ Merrimack Valley Schools/Banwell Architects, Lebanon NH (architect) ~ Public school package (s-ar)
$ 9.71 m ~ Sedomocha Elementary School/Lewis & Malm Architecture, Bucksport ME (architect) ~ Public school (s-ar)
$ 9.41 m ~ Peru Elementary School MSAD 21/PDT Architects, Portland ME (architect) ~ Public school (s-n)
$ 8.92 m ~ Paris Elementary School/Lewis & Malm Architecture, Bucksport ME (architect) ~ Public school (s-n)
$ 6.86 m ~ York High School Auditorium/PDT Architects, Portland ME (architect) ~ Performing arts (s-n)
$ 4.88 m ~ McConnell Center/Lassel Architects, South Berwick ME (architect) ~ Community center (s-r)
$ 4.75 m ~ Gorham Community Center/PDT Architects, Portland ME (architect) ~ Community center (s-r)
$ 4.71 m ~ Kittery Community Center/JSA Architects, Portsmouth NH (architect) ~ Community Center (s-n)
$ 3.24 m ~ Grey-New Gloucester High School/PDT Architects, Portland ME (architect) ~ Selective renovations (r)
$ 2.24 m ~ UNH Housing Offices/Warren Street Architect, Concord NH (architect) ~ (University offices (s-a)
$ 2.23 m ~ Unity College Activities Building/Richard Renner Architects, Portland ME (architect) ~ Campus activities (s-ar)
$ 1.73 m ~ Kennebunk Community Center/Town of Kennebunk, Kennebunk ME (owner) ~ Community center (s-r)
$ 1.27 m ~ USM Child Care/TFH Architects, Portland ME (architect) ~ University child care (n)
$ 0.90 m ~ Mollyockett Middle School Reroof/Allied Engineering, Westbrook ME (engineer) ~ Public school (r)
$ 0.86 m ~ Colvin Hall UMO/Scott Simons Architects, Portland ME (architect) ~ University centerpiece (r)
$ 0.50 m ~ McConnell Bridge/Lassel Architects, South Berwick ME (architect) ~ Community center bridge
$ 0.24 m ~ Tilton Riverfront Park Pavilion/Samyn D'Elia Architects, Ashland NH (architect) ~ Community park (n)

**Educational / Athletic / Community / Recreational (continued)**

***2004***

$16.30 m ~ Gables Residential Life UNH Durham/Synthesis Partnership, Providence RI (design) ~ Dormitory (n)
$13.44 m ~ Forest Park Two Residential Life UNH Durham/Synthesis Partnership, Providence RI (design) ~ Dormitory (n)
$10.98 m ~ Orangetown Aquatic/Bargmann Hendrie, Boston MA (architect) ~ Community center (s-n)
$10.00 m ~ Colby College Field House/TFH Architects, Portland ME (architect) ~ University field complex (sn)
$ 9.93 m ~ Old East Suffolk Rec & Commuunity Center/ Bargmann Hendrie, Boston MA (architect) ~ Community facility (ar)
$ 9.36 m ~ Paris Elementary School/Lewis & Malm Architecture, Bucksport ME (architect) ~ Public school (s-n)
$ 8.98 m ~ Burlington YMCA-Moran Plant/Bargmann Hendrie, Boston MA (architect) ~ Community facility (a-r)
$ 8.20 m ~ Hubbard Residential Life UNH Durham/Synthesis Partnership, Providence RI (designer) ~ Dormitory (a-r)
$ 6.68 m ~ Worcester Boys & Gilrs Club/ Bargmann Hendrie, Boston MA (architect) ~ Community facility (s-n)
$ 4.13 m ~ McConnell Center/Lassel Architects, South Berwick ME (architect) ~ Community center (s-r)
$ 3.94 m ~ Gorham Community Center/PDT Architects, Portland ME (architect) ~ Community center (s-r)
$ 3.74 m ~ Acton Community Center/Bargmann Hendrie, Boston MA (architect) ~ Community center (s-n)
$ 3.28 m ~ Kittery Community Center/ Bargmann Hendrie, Boston MA (architect) ~ Community facility (s-n)
$ 3.15 m ~ East Belfast Elementary School/Lewis & Malm Architecture, Bucksport ME (architect) ~ Public school (s-ar)
$ 1.60 m ~ Spring Brook Park/Bargmann Hendrie, Boston MA (architect) ~ Community pool (s-n)
$ 1.29 m ~ Methuen Arlington Community Center/Bargmann Hendrie, Boston MA (architect) ~ Public center (s-n)
$ 1.17 m ~ Cultural & Natural Resource Facility/Scott Simons Architects, Portland ME (architect) ~ Maliseet tribal (s-n)
$ 0.85 m ~ Oak Grove School/Bargmann Hendrie, Boston MA (architect) ~ Private school (s-r)
$ 0.83 m ~ McDermott Aquatic Center/Bargmann Hendrie, Boston MA (architect) ~ Therapeutic pool (a-r)
$ 0.75 m ~ Gosse Court Armory/Bargmann Hendrie, Boston MA (architect) ~ Communicty rec center (r)
$ 0.31 m ~ Dover Adult Learning Center/Lassel Architects, South Berwick ME (architect)~ Community facility (ar)
$ 0.30 m ~ Dover Indoor Pool/Lassel Architects, South Berwick ME (architect)~ Community pool (ar)

***2003***

$17.21 m ~ Cony High School/PDT Architects, Portland ME (architect) ~ Public school (s-ar)
$ 9.73 m ~ Orangetown Aquatic/Bargmann Hendrie, Boston MA (architect) ~ Community center (s-n)
$ 8.82 m ~ University of Maine Presque Isle Health-PE Complex/SMRT, Portland ME (architect) ~ University complex (s-n)
$ 8.00 m ~ Colby College Social Sciences/Bohlin Cywinski Jackson, Philadelphia PA (architect) ~ University complex (n)
$ 6.98 m ~ Kennebunk Community Center/Bargmann Hendrie, Boston MA (architect) ~ Community center (s-n)
$ 5.08 m ~ Mark Emery School/Lewis & Malm Architecture, Bucksport ME (architect) ~ Public school (s-ar)
$ 4.50 m ~ Congin School/Winton Scott Architects, Portland ME (architect) ~ Public school (a-r)
$ 4.30 m ~ Andover Youth Center/Bargmann Hendrie, Boston MA (architect) ~ Community center (s-n)
$ 2.32 m ~ Community Building/Gawron Architects, Scarborough ME (architect) ~ School administrative center (ar)
$ 2.15 m ~ Livingston Park Pool/Bargmann Hendrie, Boston MA (architect) ~ Community pool (s-n)
$ 1.65 m ~ UNH Housing Offices/Sherman Greiner Halle, Concord NH (architect) ~ University housing (s-n)
$ 1.25 m ~ Oak Grove School/ Bargmann Hendrie, Boston MA (architect) ~ Public school (s-n)
$ 0.64 m ~ Central Maine Technical College Mustang Grill/CMTC, Auburn ME (owner) ~ Student center (s-r)
$ 0.59 m ~ Fred E. Briggs Pool & Bathhouse/Bargmann Hendrie, Boston MA (architect) ~ Community pool (s-n)
$ 0.34 m ~ Beth Pancoe Municipal Aquatic Center/Bargmann Hendrie, Boston MA (architect) ~ Community bathhouse (n)

**Educational / Athletic / Community / Recreational (continued)**

***2002***

$13.80 m ~ Memorial Auditorium Pool Complex/Bargmann Hendrie, Boston MA (architect) ~ Community center (s-n-r)
$ 9.27 m ~ Baxter School for the Deaf/Winton Scott Architects, Portland ME (architect) ~ Special schooling (s-r)
$ 9.21 m ~ University of Maine Presque Isle Health-PE Complex/SMRT, Portland ME (architect) ~ University complex (s-n)
$ 6.88 M ~ Dover Community Center/Lassel Architects, South Berwick ME (architect) ~ Community center (s-r)
$ 6.86 m ~ Wells Junior High School/SMRT, Portland ME (architect) ~ Public school (s-ar)
$ 5.76 m ~ Mark Emery School/Lewis & Malm Architecture, Bucksport ME (architect) ~ Public school (s-ar)
$ 5.32 m ~ Kittery Community Center/Bargmann Hendrie, Boston MA (architect) ~ Community center (s-n-r)
$ 4.27 m ~ Leddy Park Recreation Center/Bargmann Hendrie, Boston MA (architect) ~ Community center (s-n-r)
$ 3.48 m ~ York County YMCA/Gawron Architects, Scarborough ME (architect) ~ Community center (s-ar)
$ 3.35 m ~ Kendall Center/Bargmann Hendrie, Boston MA (architect) ~ Community center ( s-n)
$ 2.93 m ~ Manchester Pool/Bargmann Hendrie, Boston MA (architect) ~ Community pool (s-n)
$ 2.75 m ~ Downeast Heritage Center/Lewis & Malm, Bucksport ME (architect) ~ Historical center (r-a)
$ 2.64 m ~ NH Fire Training Academy Dormitory/Sherman Greiner Halle, Concord NH (architect) ~ State complex (s-ar)
$ 2.42 m ~ Bristol Consolidated School/SMRT, Portland ME (architect) ~ Multigrade school (s-ar)
$ 2.25 m ~ Lawrence Community Center/Bargmann Hendrie, Boston MA (architect) ~ Community center (s-ar)
$ 2.07 m ~ Belmont Senior Center/Bargmann Hendrie, Boston MA (architect) ~ Community center ( s-n)
$ 1.88 m ~ Boy's & Girl's Club of Greater Billerica/Bargmann Hendrie, Boston MA (architect) ~ Community center ( s-a)
$ 1.80 m ~ Western Maine University-Tech College/Van Dam & Renner, Portland ME (architect) ~Community college (s-ar)
$ 1.57 m ~ Enfield Green Manor Pool/Bargmann Hendrie, Boston MA (architect) ~ Community pool (s-n)
$ 1.29 m ~ Methuen Arlington Neighborhood Center/Bargmann Hendrie, Boston MA (architect) ~ Community center (s-n)
$ 0.96 m ~ Atlantic Learning Center/Bargmann Hendrie, Boston MA (architect) ~ Commmunity educational (s-ar)
$ 0.93 m ~ Narragaugus High School/Lewis & Malm, Bucksport ME (architect) ~ Public school (s-ar)
$ 0.87 m ~ Wells-Ogunquit Senior Center/Joy & Hamilton Architects, Sanford ME (architect) ~ Community center (s-n)
$ 0.70 m ~ Falmouth Yacht Club/R.A.S.C.A.D., Milford NH (designer) ~ Private yacht club (a-r)
$ 0.64 m ~ Westbrook Locker Rooms/Winton Scott Architects, Portland ME (architect) ~ Music and locker renovations (r)
$ 0.34 m ~ Oxford Hills Middle School Gym/SMRT, Portland ME (architect) ~ Structural renovations (r)
$ 0.25 m ~ Colby College Lovejoy 100/SMRT, Portland ME (architect) ~ University theatre (r)

***2001***

$27.00 m ~ Mashpee Community Center/Bargmann Hendrie, Boston MA (architect) ~ Community center (s-n-r)
$22.27 m ~ Windham High School/PDT Architects, Portland ME (architect) ~ Public school (s-ar)
$21.44 m ~ Rosemary Pool Complex/Bargmann Hendrie, Boston MA (architect) ~ Community center (s-n-r)
$19.12 m ~ New Jewish High School/New Jewish High School, Waltham MA (owner) ~ Private secondary school (s-n)
$14.39 m ~ Gorham Middle School/PDT Architects, Portland ME (architect) ~ Public school (r)
$12.14 m ~ Yarmouth High School/SMRT, Portland ME (architect) ~ Public school (s-ar)
$ 9.59 m ~ Old Town Elementary School/PDT Architects, Portland ME (architect) ~ Public school (s-n)
$ 7.41 m ~ Vinylhaven K-12/Oak Point Associates, Biddefore ME (architect) ~ Public school (s-n)
$ 6.67 m ~ Kittery Recreation Center/Bargmann Hendrie, Boston MA (architect) ~ Community complex (s-n)
$ 4.74 m ~ Mt. Desert Elementary School/Lewis & Malm Architecture, Bucksport ME (architect) ~ Public school (s-ar)
$ 4.74 m ~ Rowe Primary School/SMRT, Portland ME (architect) ~ Public school (s-n)
$ 4.54m ~ Veterans' Memorial Pool/Bargmann Hendrie, Boston MA (architect) ~ Community complex (s-ar)
$ 3.92 m ~ Hebron School/Lewis & Malm Architecture, Bucksport ME (architect) ~ Public school (s-n)
$ 3.87 m ~ Edgecomb Eddy School/Lewis & Malm Architecture, Bucksport ME (architect) ~ Public school (s-n)
$ 3.44 m ~ Boys & Girls Club of Greater Billerica/Bargmann Hendrie, Boston MA (architect) ~ Community center (s-ar)
$ 3.36 m ~ Bretton Woods Base Lodge/Samyn D'Elia Architects, Ashland NH (architect) ~ Ski lodge (s-ar)
$ 3.05 m ~ Vietnam Veterans' Memorial Pool/Bargmann Hendrie, Boston MA (architect) ~ Municipal pool facility (s-ar)
$ 2.27 m ~ Cushing Community School/Lewis & Malm Architecture, Bucksport ME (architect) ~ Public school (s-n)
$ 2.22 m ~ Cape Elizabeth Community Center/SMRT, Portland ME (architect) ~ Village center (s-r)
$ 2.03 m ~ Breakwater School Multipurpose/Scott Simons Architects, Portland ME (architect) ~ Private center (s-n_
$ 1.80 m ~ Holliston Town Hall/Town of Holliston MA (owner) ~ Historic meeting hall (s-r)
$ 1.14 m ~ Mullins Center Locker Rooms/Bargmann Hendrie, Boston MA (architect) ~ University (r)
$ 1.12 m ~ Fitchburg Riverfront Park/Bargmann Hendrie, Boston MA (architect) ~ Municipal community center (r)
$ 0.95 m ~ Limestone Community Center/Bridgham Engineering, Mapleton ME (engineer) ~ Community center
$ 0.85 m ~ Westbrook HS Music & Locker/Winton Scott Architects, Portland ME (architect) ~ Public school (r)
$ 0.62 m ~ Scarborough High School Science Wing/PDT Architects, Portland ME (architect) ~ Public school (r)
$ 0.43 m ~ Yarmouth Elementary Library/SMRT, Portland ME (architect) ~ Public school (ar)
$ 0.41 m ~ Houlton Jr-Sr High/Baird Farm Studio, Mapleton ME (architect) ~ Public school (r)
$ 0.27 m ~ Maranacook High School Structurals/SMRT, Portland ME (architect) ~ Public school (r)

**Educational / Athletic / Community / Recreational (continued)**

***2000***

$12.78 m ~ Kennebunk Middle School/SMRT, Portland ME (architect) ~ Public school (s-n)
$11.15 m ~ Wells Elementary School/SMRT, Portland ME (architect) ~ Public school (s-n)
$ 7.86 m ~ University of Maine DTA Village II/PDT Architects, Portland ME (architect) ~ Residence hall (s-n)
$ 6.73 m ~ Wells Junior High School/SMRT, Portland ME (architect) ~ Public school (s-n)
$ 6.56 m ~ Maranacook Middle School/SMRT, Portland ME (architect) ~ Public school (s-n)
$ 6.36 m ~ Kendall Center/Bargmann Hendrie, Boston MA (architect) ~ Community complex (s-n)
$ 6.28 m ~ Scott Hall UMF/Scott Simons Architects, Portland ME (architect) ~ University residence (s-ar)
$ 5.76 m ~ Andover Youth Center/Bargmann Hendrie, Boston MA (architect) ~ Community complex (s-n)
$ 5.44 m ~ Mt. Blue Middle School/Allied Engineering, Westbrook ME (engineer) Public school (s-ar)
$ 4.58 m ~ Yarmouth High School/PDT Architects, Portland ME (architect) ~ Public school (s-n)
$ 4.46 m ~ Dilboy Memorial Stadium/Bargmann Hendrie, Boston MA (architect) ~ Municipal athletic fields (s-n)
$ 4.39 m ~ Rowe School/PDT Architects, Portland ME (architect) ~ Public school (s-ar)
$ 3.52 m ~ Thornton Central SchoolSamyn D'Elia Architects, Ashland NH (architect) ~ Public school (s-ar)
$ 3.17 m ~ Stowe Swimmer Foundation/Bargmann Hendrie, Boston MA (architect) ~ Pool complex (s-n)
$ 2.37 m ~ Maranacook High School/SMRT, Portland ME (architect) ~ Public school (s-n)
$ 2.01 m ~ Trenton Elementary School/SMRT, Portland ME (architect) ~ Public school (s-ar)
$ 1.98 m ~ Community Service Center/Lassel Architects, South Berwick ME (architect) ~ Community building (s-ar)
$ 1.84 m ~ Marshwood Junior High/TFH Architects, Portland ME (architect) ~ Public school (s-ar)
$ 0.75 m ~ Benedicta School Reroof/Allied Engineering, Westbrook ME (engineer) ~ Public school (r)
$ 0.75 m ~ President's Residence U Southern Maine/SMRT, Portland ME (architect) ~ University (r)
$ 0.51 m ~ Aquaculture Research Center/Stewart Brecher Architect, Bar Harbor ME (architect) ~ University (r)
$ 0.44 m ~ Unobskey Learning Center/ Stewart Brecher Architect, Bar Harbor ME (architect) ~ University (r)
$ 0.35 m ~ Butterfield Gym/Bargmann Hendrie, Boston MA (architect) ~ Gym & pool (s-r)
$ 0.35 m ~ Early Child Care Center/Stewart Brecher Architect, Bar Harbor ME (architect) ~ University (s-n)

***1999***

$29.56 m ~ Windham High School/PDT Architects, Portland ME (architect) ~ Public school (s-n-ar)
$21.26 m ~ South Portland Schools/PDT Architects, Portland ME (architect) ~ Facilities study (s-n-ar)
$11.57 m ~ York Middle School Addition & Renovations/SMRT, Portland ME (architect) ~ Public school (s-a)
$ 8.97 m ~ University of Maine Memorial Union/Harriman Associates, Auburn ME (architect) ~ Student union (s-ar)
$ 6.01 m ~ Solomon Schechter/Bargmann Hendrie, Boston MA (architect) ~ Public school (s-n-ar)
$ 5.83 m ~ West Suburban YMCA/Bargmann Hendrie, Boston MA (architect) ~ Pool/gym complex (s-ar)
$ 3.62 m ~ Berwick Academy Aquatic Center/Scott Simons Architects, Portland ME (architect) / Pool complex (s-n)
$ 1.35 m ~ Veterans' War Memorial Gymnasium/Joy & Hamilton, Sanford ME (architect) ~ Community center (s-r)
$ 1.14 m ~ Portsmouth Christian Academy/Pine Brook Corp, Kittery ME (developer) ~ Private school (s-n)
$ 1.10 m ~ Colvin Hall-UMO/Scott Simons Architects, Portland ME (architect) ~ University residence hall (r)
$ 0.86 m ~ West Springfield Pool/Bargmann Hendrie, Boston MA (architect) ~ Municipal pool
$ 0.71 m ~ Kessock Softball Field-UMO/PDT Architects, Portland ME (architect) ~ University athletics (s-n)
$ 0.24 m ~ Peabody Hall-Husson College/PDT Architects, Portland ME (architect) ~ University conference center (r)

***1998***

$17.65 m ~ Falmouth High School/SMRT, Portland ME (architect) ~ Public school (s-n)
$15.00 m ~ MSAD 51 Cumberland/SMRT, Portland ME (architect) ~ Public school master plan (s-ar-n)
$ 7.80 m ~ Burlington Recreation Center/Bargmann Hendrie, Boston MA (architect) ~ YMCA complex (s-n)
$ 6.65 m ~ Marshfield Community Center/Bargmann Hendrie, Boston MA (architect) ~ Town center building (s-n)
$ 5.85 m ~ Bridgton Elementary School/PDT Architects, Portland ME (architect) ~ Public school (s-ar)
$ 5.83 m ~ Allied Memorial Skating Rink/Bargmann Hendrie, Boston MA (architect) ~ Municipal complex (s-n)
$ 5.73 m ~ Stonington - Deer Isle School/TFH Architects, Portland ME (architect) ~ Public school (s-n)
$ 4.62 m ~ South Windsor Community Center/Bargmann Hendrie, Boston MA (architect) ~ Town center building (s-n)
$ 3.74 m ~ South Portland Recreation Center/Curtis Walter Stewart, Portland ME (architect) ~ Town recreation (s-n)
$ 2.37 m ~ Manchester School/PDT Architects, Portland ME (architect) ~ Public school (s-ar)
$ 1.97 m ~ Hermann Youth Center/Bargmann Hendrie, Boston MA (architect) ~ Youth facility (s-ar)
$ 1.90 m ~ U Maine Machias Center/REA Design Associates, Auburn ME (architect) ~ Public university (s-n)
$ 1.73 m ~ Essex Junction Pool/Bargmann Hendrie, Boston MA (architect) ~ Community multi-purpose (s-n)
$ 1.10 m ~ Breakwater School/Scott Simons Architects, Portland ME (architect) ~ Private school (s-ar)
$ 0.13 m ~ Otisfield Community School/PDT Architects, Portland ME (architect) ~ Public School (r)

**Educational / Athletic / Community / Recreational (continued)**

***1997***

$13.88 m ~ Leavitt High School/REA Design Associates, Auburn ME (architect) ~ Public school (s-ar)
$12.69 m ~ Poland Middle/High School/PDT Architects, Portland ME (architect) ~ Public school (s-n)
$ 7.40 m ~ Bridgton Elementary School/The Design Alliance, Portland ME (architect) ~ Public school (s-ar)
$ 6.47 m ~ Raymond Schools/The Design Alliance, Portland ME (architect) ~ Public school (s-n-ar)
$ 4.69 m ~ Westbrook Voch/Tech/Winton Scott Architect, Portland ME (architect) ~ Public school (s-ar)
$ 3.69 m ~ Shaw Middle School/PDT Architects, Portland ME (architect) ~ Public school (s-ar)
$ 3.50 m ~ Kennett School Study/PDT Architects, Portland ME (architect) ~ Public school (s-ar)
$ 2.55 m ~ Lake Region Middle School/PDT Architects, Portland ME (architect) ~ Public school (s-ar)
$ 1.37 m ~ North Yarmouth Academy Hockey Arena/J. Sterling AIA, Portland ME (architect) ~ Private school (s-ar)
$ 1.35 m ~ Westbrook Recreation Facility/Winton Scott Architects, Portland ME (architect) ~ Community gym (s-n)
$ 0.95 m ~ Redbank Gymnasium/Curtis Walter Stewart, Portland ME (architect) ~ Community gym (s-a)
$ 0.62 m ~ Barrington Kindergarten/Samyn D'Elia Architects, Ashland NH (architect) ~ Public school (s-a)
$ 0.56 m ~ Georgetown School/Barba Architecture, Portland ME (architect) ~ Public school (s-a

***1996***

$17.65 m ~ Marshwood High School/TFH Architects, Portland ME (architect) ~ Public school (s-n)
$ 5.00 m ~ Wentworth School/TFH Architects, Portland ME (architect) ~ Public school (ar)
$ 3.22 m ~ Wiscasset Community Center/Archetype, Boston MA (architect) ~ Town sports complex (s-n)
$ 3.22 m ~ Gardiner High School/Stephen Blatt Architects, Portland ME (architect) ~ Public school (s-ar)
$ 2.55 m ~ Field House/Berwick Academy, Berwick ME (owner) ~ Private school (s-ar)
$ 1.65 m ~ Boothbay High SchoolSemple & Drane, Portland ME (architect) ~ Public school (s-ar)
$ 1.21 m ~ Ashland School/Samyn D'Elia Architects, Ashland NH (architect) ~ Public school (s-ar)
$ 1.00 m ~ Deerfield Clubhouse/MBNA New England, Camden ME (owner) ~ Golf/tennis clubhouse (s-n)
$ 1.00 m ~ Solomon Schecter School/Archetype, Boston MA (architect) ~ Public school (s-ar)
$ 0.85 m ~ Douglas High School/Archetype, Boston MA (architect) ~ Public school (s-r)
$ 0.80 m ~ Cold Spring Recreation Center/Samyn D'Elia Architects, Ashland NH (architect) ~ Town center (s-n)
$ 0.77 m ~ Lower Alden School/Archetype, Boston MA (architect) ~ Public school (s-ar)

***1995***

$17.95 m ~ Oxford Hills High School/PDT Architects, Portland ME (architect) ~ Public school (s-ar)
$15.00 m ~ UNH Master Plan/Sherman Greiner Halle, Concord NH (architect) ~ University (r)
$ 7.60 m ~ Scarborough School/Stephen Blatt Architects, Portland ME (architect) ~ Public school (s-n)
$ 5.60 m ~ Claremont Schools/CMK Architects, Manchester NH (architect) ~ Public schools (s-ar)
$ 4.98 m ~ Litchfield School/Harriman Associates, Auburn ME (architect) ~ Public school (s-n)
$ 3.62 m ~ Fairview Elementary School/Harriman Associates, Auburn ME (architect) ~ Public school (s-ar)
$ 3.15 m ~ West Gardiner School/Stephen Blatt Architects, Portland ME (architect) ~ Public school (s-n)
$ 2.54 m ~ Sherwood Heights School/Harriman Associates, Auburn ME (architect) ~ Public school (s-ar)
$ 1.70 m ~ Frisbee School/Kittery School Department, Kittery ME (owner) ~ Public school (s-r)
$ 1.66 m ~ Limestone Magnet School/Stephen Blatt Architects, Portland ME (architect) ~ Public school (r)
$ 0.34 m ~ Portland CC Pool Facility/Stephen Blatt Architects, Portland ME (architect) ~ Private club (s-n)

## BUDGETS vs. BID RESULTS



| Educational / Athletic / Community | | Low - High Bids | Median Bid | Opinion of Cost |
|---|---|---|---|---|
| 2014 | Wells High School | $24.40m - 25.00m | $24.49m | $24.40m/SD+DD |
| | Corinth K – 5 | $21.56m – 23.04m | $21.94m | $21.46m/SD+DD+CD |
| | CMCC Science Building | $ 6.64m - 7.33m | $ 7.47m | $ 6.41m/DD+CD |
| | Goodwill Hinckley Moody School | $ 4.38m - 5.20m | $ 4.60m | $ 4.52m/SD+DD |
| 2013 | KVCC Class & Lab Building | $ 4.73m - 5.27m | $ 4.93m | $ 5.28m/SD+DD+CD |
| | Estabrooke Hall UMO | $ 1.91m ~ 2.40m | $ 2.14m | $ 2.18m/SD+DD+CD |
| 2012 | Nutting Hall UMO | $ 2.78m | CM-GMP | $ 2.81/DD+CD |
| 2011 | Lake Region Voc Tech | $ 6.35m - 6.87m | $ 6.64m | $ 6.72m/SD+DD+CD |
| 2010 | Mt. Blue High School | $42.85m - 46.36m | $43.40m | $43.82m/SD+DD+CD |
| | Hampton Beach Park | $13.80m - 14.77m | $14.19m | $15.11m/SD+DD |
| | Woolwich Pre K – 8 | $11.81m - 12.60m | $11.99m | $13.50m/SD+DD_CD |
| | Lake Region Edu Serve | $ 4.04m - 4.53m | $ 4.32m | $ 4.67m/SD+DD+CD |
| | Quincy Head Start | $ 4.10m - 5.30m | $ 4.75m | $ 4.13m/SD+DD |
| | Shapleigh & Mitchell Schools | $ 4.02m - 4.57m | $ 4.30m | $ 4.56m/SD+DD+CD |
| | Lisbon High School Façade | $ 0.50m - 0.54m | $ 0.51m | $ 0.54m/SD+DD |
| 2009 | Gorham Elementary School | $15.26m - 16.75m | $15.62m | $16.87m/SD+DD+CD |
| | Brunswick Elementary School | $14.00m - 15.35m | $14.23m | $17.00m/SD+DD+CD |
| | Ashland Historical School | $ 0.97m - 1.32m | $ 1.16m | $ 1.05m/SD |
| 2007 | Rockport Elementary School | $13.50m - 15.06m | $14.31m | $13.62m/SD+DD+CD |
| | Grey-New Gloucester High School | $ 4.52m - 4.94m | $ 4.67m | $ 4.59m/SD+DD |
| | Russell Elementary School | $ 1.18m - 1.31m | $ 1.29m | $ 1.24m/DD |
| 2006 | Peru Elementary School | $11.06m - 11.94m | $11.56m | $11.36m/SD |
| | UNH Housing Office | $ 2.39m - 3.40m | $ 2.62m | $ 2.36m/SD+DD+CD |
| 2005 | Paris Elementary School | $ 8.87m - 9.33m | $ 9.03m | $ 8.92m/SD+DD |
| | Gorham Municipal Center | $ 4.47m - 5.45m | $ 4.66m | $ 4.75m/DD |
| 2004 | Cony High School | $23.60m - 24.60m | $24.45m | $23.33m/SD+DD+CD |
| 2003 | Mark Emery School | $ 5.05m - 5.52m | $ 5.30m | $ 5.08m/DD |
| | Congin School | $ 3.00m - 3.50m | $ 3.25m | $ 3.42m/SD+DD+CD |
| | Western Maine University | $ 1.59m - 2.41m | $ 1.78m | $ 1.80m/SD+DD |
| 2002 | Windham High School | $20.54m - 22.99m | $21.73m | $22.56m/DD+CD |
| | Gorham Middle School | $14.45m - 15.43m | $14.69m | $15.75m/DD+CD |
| | Yarmouth High School | $11.63m | Negotiated CM | $11.71m/SD |
| | Wells Elementary School | $ 7.80m - 8.59m | $ 8.18m | $ 9.75m/SD+DD+CD |
| | Cushing Elementary School | $ 1.65m - 1.96m | $ 1.82m | $ 1.95m/DD |
| 2001 | Edgecomb Eddy School | $ 4.05m - 4.31m | $ 4.15m | $ 3.87m/DD |
| | Hebron School | $ 3.60m - 3.83m | $ 3.70m | $ 3.52m/DD |
| | UMF Scott Hall | $ 3.36m - 3.77m | $ 3.65m | $ 3.62m/SD+DD+CD |
| | Maranacook High School | $ 1.81m - 1.83m | $ 1.82m | $ 1.82m/DD+CD |

Notes: Comparisons given for all cost opinions in the designated class for which results have been supplied to the Consultant.

SD Schematic Design - unmarked drawings, limited information or detail, consultant provides outline specification.
DD Design Development - partial drawings with initial sections and structural, consultant provides outline specification.
CD Construction Documents - bidset plans and specifications

## BUDGETS vs. BID RESULTS



| | Educational / Athletic / Community | Low - High Bids | Median Bid | Opinion of Cost |
|---|---|---|---|---|
| ***2000*** | Kennebunk Middle School | $11.02m - 11.38m | $11.21m | $12.44m/DD+CD |
| | Maranacook Middle School | $ 6.45m - 7.03m | $ 6.71m | $ 7.24m/DD+CD |
| | Stowe Swimmers Foundation | $ 3.16m - 3.17m | $ 3.17m | $ 3.17m/DD |
| | Butterfield Gym & Pool | $ .43m - 0.48m | $ .45m | $ .43m/SD |
| ***1999*** | Falmouth High School | $17.86m - 18.54m | $18.12m | $17.65m/SD+DD+CD |
| | University of Maine Student Union | $ 8.69m - 9.00m | $ 8.85m | $ 8.97m/SD+CD |
| | Deer Isle-Stonington School | $ 6.45m - 7.37m | 2 bids only | $ 6.23m/SD+DD |
| | Raymond Elementary School | $ 6.20m - 6.80m | $ 6.63m | $ 6.47m/SD |
| | Allied Veterans Skating Rink | $ 5.78m - 6.44m | $ 5.86m | $ 5.83m/SD+DD+CD |
| | Bridgton Elementary School | $ 5.18m - 5.70m | $ 5.41m | $ 5.85m/DD+CD |
| | Hermann Youth Center | $ 1.99m - 2.27m | $ 2.15m | $ 1.97m/SD+DD |
| | Veteran's War Memorial Gymnasium | $ 1.42m - 1.46m | $ 1.44m | $ 1.35m/DD |
| ***1998*** | Poland High School | $11.64m - 12.30m | $12.08m | $12.69m/SD+DD+CD |
| | Westbrook Voch Tech | $ 4.73m - 5.27m | $ 5.01m | $ 4.94m/SD+DD+CD |
| | Lake Region Middle School | $ 2.55m - 2.65m | $ 2.61m | $ 2.55m/SD+DD+CD |
| | Manchester Elementary School | $ 2.19m - 2.46m | $ 2.41m | $ 2.37m/SD |
| | NYA Hockey Arena | $ 1.37m | Negotiated GC | $ 1.37m/SD |
| | Breakwater School | $ 1.10m | Negotiated GC | $ 1.10m/DD |
| | Georgetown School | $ 0.51m - 0.61m | $ 0.55m | $ 0.56m/DD+CD |
| ***1997*** | Marshwood High School | $16.79m - 17.75m | $17.06m | $17.65m/SD+DD+CD |
| | Leavitt High School | $12.86m - 13.40m | $13.29m | $13.88m/DD+CD |
| | Wiscasset Community Center | $ 2.97m - 3.27m | $ 3.19m | $ 3.22m/SD+DD+CD |
| | Ashland Community School | $ 1.15m - 1.22m | $ 1.18m | $ 1.21m/SD |
| | Redbank Gymnasium | $ 0.81m - 0.99m | $ 0.93m | $ 0.95m/SD+CD |
| | Douglas High School | $ 0.85m - 1.04m | $ 0.93m | $ 0.85m/SD+DD |
| | Lower Alden School | $ 0.60m - 0.85m | $ 0.72m | $ 0.77m/DD+CD |
| ***1996*** | Litchfield Middle School | $ 4.84m - 5.38m | $ 5.00m | $ 4.98m/SD+DD |
| | Fairview Elementary School | $ 3.59m - 3.93m | $ 3.68m | $ 3.62m/SD+DD |
| | Gardiner High School | $ 3.18m - 3.32m | $ 3.26m | $ 3.22m/DD+CD |
| | Sherwood Elementary School | $ 2.55m - 2.63m | $ 2.62m | $ 2.54m/SD+DD |
| | Berwick Academy Fieldhouse | $ 2.49m - 3.09m | $ 2.79m | $ 2.65m/SD+DD |
| | Boothbay High School | $ 1.62m - 1.77m | $ 1.74m | $ 1.65m/SD+DD |
| | Portland CC Tennis/Pool Facility | $ 0.32m - 0.35m | $ 0.33m | $ 0.34m/DD |
| ***1995*** | Oxford Hills High School | $17.65m - 19.28m | $18.67m | $17.95m/SD+DD |
| | Scarborough Middle School | $ 7.16m - 7.82m | $ 7.47m | $ 7.60m/DD+CD |
| | Claremont Schools | $ 4.95m - 5.70m | $ 5.44m | $ 5.60m/SD |
| | West Gardiner Elem. School | $ 3.01m - 3.38m | $ 3.27m | $ 3.15m/DD+CD |
| | Limestone Magnet School | $ 1.50m - 1.68m | $ 1.58m | $ 1.66m/SD |

Notes: Comparisons given for all cost opinions in the designated class for which results have been supplied to the Consultant.

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DD Design Development - partial drawings with initial sections and structural, consultant provides outline specification.
CD Construction Documents - bidset plans and specifications

CES INC Engineers • Environmental Scientists • Surveyors

July 8, 2015

Mr. Ronald Weatherbee
Town Manager
Town of Lincoln
63 Main Street
Lincoln, Maine 04457

**Re: Town Office Engineering Qualifications**

Dear Mr. Weatherbee:

CES, Inc. (CES) is pleased to provide the Town of Lincoln (Town) with qualifications and a proposal for the evaluation of the Existing Court House Building on Main Street in Lincoln, Maine. Based on the information provided, it is our understanding the Town is seeking to have a complete evaluation of the building and associated systems in order to make informed decisions about purchasing the building and relocating Town Government operations there. We further understand the Town is seeking to use all levels of the building, including the basement space and an unfinished attic area.

We are familiar with these types of projects, and have recently completed similar building evaluations for the Town of Lubec and Rockport. The evaluations were needed to assist in decisions to expand or reuse the existing buildings. As you will see from the information presented, we are a full service consulting engineering firm with a broad range of expertise that allows us to meet the needs of municipal clients throughout the State. Our talented group of professionals provides expertise in structural, civil, site, surveying, planning, and environmental services that will help move the building evaluation and project forward.

CES looks forward to working with the Town and ensuring that objectives are met. Thank you in advance for the opportunity to work with you and we look forward to meeting with those involved.

Sincerely,
CES, Inc.

Pete Tuell, P.E.
*Senior Project Manager/Vice President*



**Six Locations in Maine | www.ces-maine.com**

465 South Main Street
PO Box 639
Brewer, Maine 04412
T 207.989.4824
F 207.989.4881

CES INC

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## SECTION 1 | FIRM CONTACT INFORMATION AND SIGNED W-9 FORM

## OFFICIAL QUALIFICATIONS/PROPOSAL RESPONSE FORM

### FIRM'S CONTACT INFORMATION

The undersigned declares that the signer of this proposal is:

INDIVIDUAL doing business as: _____

PARTNERSHIP doing business as: _____

CORPORATION entitled: CES, Inc.

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

465 South Main Street / P.O. Box 639 (Street/PO), Brewer, ME (Town/City), 04412 (Zip)

Peter J. Tuell

Authorized Signature

Peter J. Tuell, PE, Vice President
Printed Name and Title of Authorized Signer

CES, Inc.
Firm or Corporate Name

Peter J. Tuell, PE, Vice Presdent
Contact Name and Title

465 South Main Street
Street Address

ptuell@ces-maine.com
Email Address

Brewer, ME 04412
City/Town, State, Zip

207-989-4824
Telephone Number

July 8, 2015
Date Signed

207-989-4881
Fax Number

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

Form **W-9**
(Rev. October 2007)
Department of the Treasury
Internal Revenue Service

# 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.

Name (as shown on your income tax return)
**CES, Inc.**

Business name, if different from above

Check appropriate box: ☐ Individual/Sole proprietor ☑ Corporation ☐ Partnership
☐ Limited liability company. Enter the tax classification (D=disregarded entity, C=corporation, P=partnership) ▶ .....
☐ Other (see instructions) ▶

☐ Exempt payee

Address (number, street, and apt. or suite no.)
**465 South Main Street**

Requester's name and address (optional)

City, state, and ZIP code
**Brewer, Maine 04412**

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 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 chart on page 4 for guidelines on whose number to enter.

**Social security number**
: :

**or**

**Employer identification number**
01 : 0360334

## 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).

**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 4.

**Sign Here** Signature of U.S. person ▶ Kay Allen Date ▶ 6/24/2015

## General Instructions

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

### Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

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.

**Note.** If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

**Definition of a U.S. person.** For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

**Special rules for partnerships.** Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,

## SECTION 2 | FIRM PROFESSIONAL REFERENCES

## FIRM'S PROFESSIONAL REFERENCES

Submit three professional references with name, address, telephone number and email address:

| REFERENCE NUMBER ONE | |
|---|---|
| NAME | John Sutherland, Town Manager |
| ADDRESS | Town of Lubec, 20 School Street, Lubec, ME 04652 |
| TELEPHONE | 207-733-2341 |
| EMAIL | townadministrator@townoflubec.com |
| **REFERENCE NUMBER TWO** | |
| NAME | Kathy Chambers, Facilities Manager |
| ADDRESS | Maine Indian Education, 39-A Union Street, Calais, ME 04619 |
| TELEPHONE | 207-454-2126 |
| EMAIL | katherine.chambers@bie.eau |
| **REFERENCE NUMBER THREE** | |
| NAME | Jack Clukey, Town Manager |
| ADDRESS | Town of Dover-Foxcroft, 48 Morton Ave, Ste A, Dover-Foxcroft, ME 04426 |
| TELEPHONE | 207-564-3318 |
| EMAIL | jclukey@dover-foxcroft.org |

CES INC

## SECTION 3 | QUESTIONNAIRE REQUIRED FOR ALL RESPONDENTS

### 1. Firm Overview

**CES, Inc. (CES) was founded in 1978**. Since that time we have grown into a fully integrated consulting firm offering a wide range of services to assist our clients from project conception through final construction and beyond. Upon the 2013 acquisition of Summit Environmental Consultants, Inc., we have expanded our staff to over 70 highly qualified personnel including Registered Professional Engineers, Certified Geologists, Professional Land Surveyors, Environmental Scientists and Technicians, Foresters, and CAD Technicians. This combined talent allows us to provide a broad range of technical services and expertise to municipal, industrial, commercial, and institutional clients located throughout New England.

Our firm prides itself on providing comprehensive services including:

- Civil Engineering
- Environmental Engineering
- Structural Engineering
- Land and Construction Surveying
- Land Use & Community Planning
- Transportation Planning & Traffic Engineering
- Indoor Air Quality
- Health and Safety Compliance
- Water and Wastewater
- Hazardous Materials Management (Asbestos, Lead based Paint, PCBs)
- Natural Resources (Wetland/Habitat)
- Geology/Hydrogeology
- Environmental Monitoring
- Permitting (Municipal, State, and Federal)
- GIS Consulting
- Informational Technology (IT) Support

**CES is headquartered in Brewer, Maine, with branch offices located in the communities of Bar Harbor, Lewiston, Machias, Presque Isle, and Waterville.**

### WHAT ARE SENSIBLE SOLUTIONS?

We believe sensible solutions come in a variety of different forms, dictated by the needs of our client - you. While quality serves as the common thread among every solution, each solution must also address budget, schedule, service, complexity, and reliability. Our team will work collaboratively with you to understand and meet project objectives. We work as an extension of your staff to deliver individualized services, tailored to meet your needs. From project conception through final construction and beyond, CES will deliver sensible solutions built on:

**VALUE.** Through effective communication between you and our team, we seek to understand your challenges and your overall goals. As a result, solutions tailored to meet your budget and schedule are delivered to you at a reasonable cost.

**QUALITY.** We strive to provide deliverables of a high quality that will meet or exceed your expectations every time.

**TIMELINESS.** Every project must be completed on time and within budget. Our experienced Project Managers work diligently to develop a plan that is efficiently executed. Our team manages resources in a responsible manner to provide you with a cost-efficient, on time product.

**INTEGRITY.** Our clients are our first priority. Committed to your success, our dedicated staff of professionals aim to meet your needs in an honest and ethical manner.

## PROFESSIONALS ON STAFF

| CATEGORY | NUMBER |
|---|---|
| **Professional Engineers (PE)** | **9** |
| *Civil* | *4* |
| *Environmental* | *2* |
| *Structural* | *2* |
| *Mechanical* | *1* |
| Certified Engineers-In-Training (EI) | 3 |
| **Certified Geologists (CG)** | **4** |
| Environmental Scientists | 5 |
| **Professional Foresters (PF)** | **2** |
| Professional Land Surveyors (PLS) | 4 |
| **Land Surveyors-in-Training (LSIT)** | **2** |
| GIS Professional | 3 |
| **Radon Service Providers** | **1** |
| Wastewater Treatment Plant Operators | 2 |

## TECHNICAL DIRECTORS

| ROLE | DIRECTORS |
|---|---|
| President/CEO | Denis St. Peter, PE |
| **Executive VP/Survey Division Director** | **Jeff Teunisen, PLS** |
| Senior VP/Engineering Division Director | Travis Noyes, PE |
| **Senior VP/Environmental Division Director** | **John Pond, WWTPO/RSP** |

# SECTION 3 | QUESTIONNAIRE REQUIRED FOR ALL RESPONDENTS

## 1. Firm Overview

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- Land Use & Community Planning
- Transportation Planning & Traffic Engineering
- Indoor Air Quality
- Health and Safety Compliance
- Water and Wastewater
- Hazardous Materials Management (Asbestos, Lead based Paint, PCBs)
- Natural Resources (Wetland/Habitat)
- Geology/Hydrogeology
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- GIS Consulting
- Informational Technology (IT) Support

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**VALUE.** Through effective communication between you and our team, we seek to understand your challenges and your overall goals. As a result, solutions tailored to meet your budget and schedule are delivered to you at a reasonable cost.

# QUESTIONNAIRE REQUIRED FOR ALL RESPONDENTS

## 5. LIST OF SUBCONTRACTORS AND APPROACH TO BILLING

Subcontractors

Building Envelope Specialists
Carpenter Associates
Carter Architectural Design, LLC

Approach to Billing

While CES can provide many of the services required for this project in-house, we will contract with firms that provide specialty services such as building envelopes, electrical engineering and architecture. CES will subcontract with Building Envelope Specialist, Carpenter Associates and Carter Architectural Design, LLC. CES will maintain the role as the lead consultant with these firms providing personnel within the overall project team. Thus, management of the project timelines, deliverables, and budgets would continue through the chain of command established at the beginning of the project.

We utilize several methods of contracting for our services with our clients, from a not-to-exceed hourly rate method to a lump sum method. Different project circumstances call for different contracting arrangements. We routinely assess each project on a case by case scenario and work with our clients to develop a scope and a project understanding and associated fee that will suit their best interest. We endeavor to work this way with the Town on this project.

For subcontractors, CES prefers to contract directly with each one for their particular service. This allows us to be in better control of the overall budget and provides less administrative time for the Town.

For time and materials contracts, billings are based on our set schedule of charges for personnel and expenses. If the Billings are less than the established budget then the Town pays the lesser amount. We are fair to our clients and ask only that the client be fair to us. For lump sum contracts, we bill based on the percentage of work complete.

Invoices are prepared monthly and we expect payment within 30 days unless other arrangements are made. A complete breakdown of all personnel charges and expenses are available to our clients during normal business hours.

# QUESTIONNAIRE REQUIRED FOR ALL RESPONDENTS

## 6. RESUMES AND ORGANIZATIONAL CHART

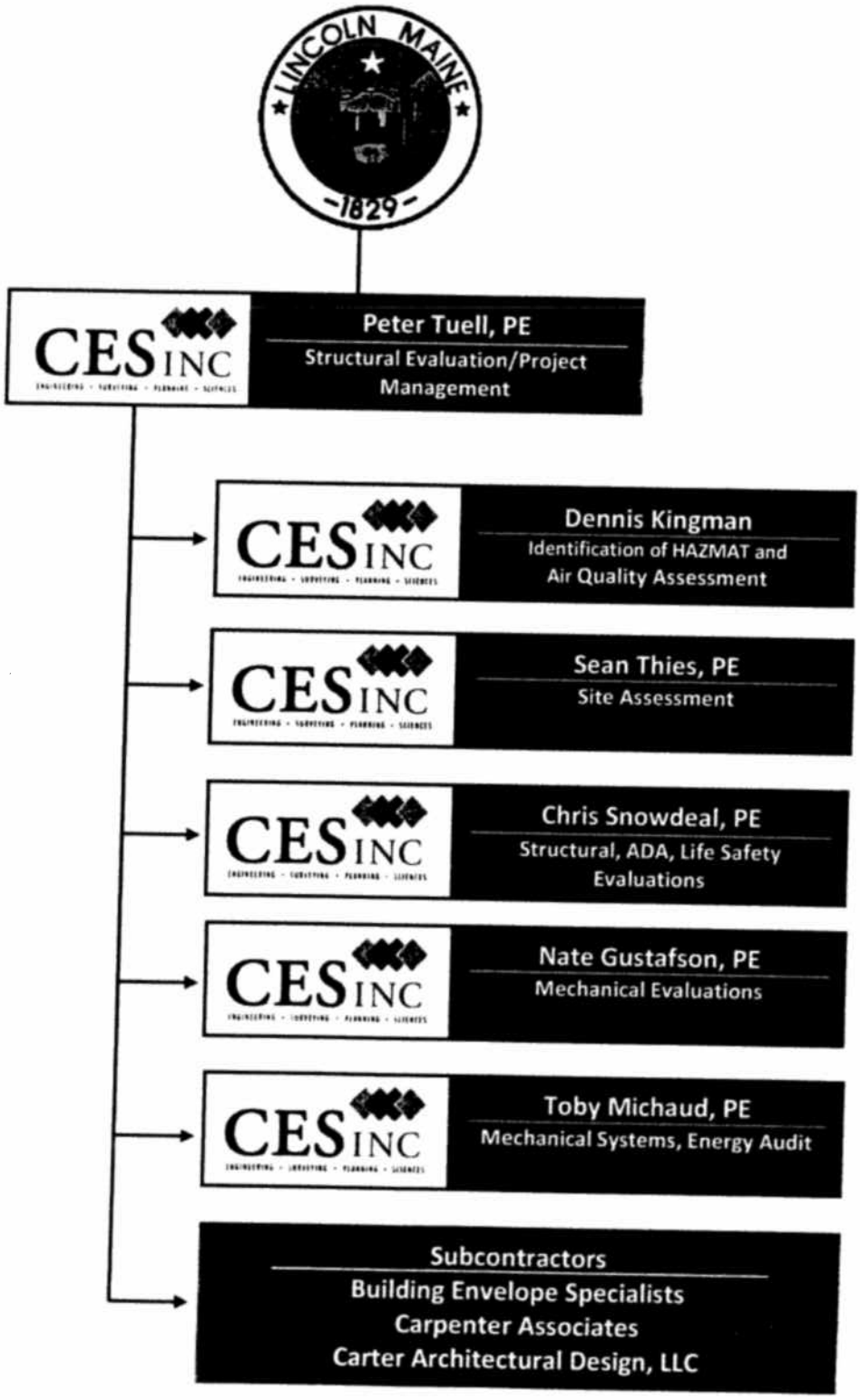
Our overall goal is to provide the Town with outstanding service and technical expertise for any need. The Town will have access to our full staff of experts. We have assembled the following team of highly skilled professionals with extensive experience in the services requested, along with other areas that may be of interest or need by the Town.

| KEY PROJECT PERSONNEL | DISCIPLINE |
|---|---|
| Peter Tuell, P.E. | Structural Evaluation, Project Management |
| Dennis Kingman | Identification of HAZMAT and Air Quality Assessment |
| Sean Thies, PE | Site Assessment |
| Chris Snowdeal, P.E. | Structural, ADA, Life Safety Code Evaluation |
| Nate Gustafson, P.E. | Mechanical/Pumping System Evaluations |
| Toby Michaud, PE | Mechanical Systems, Energy Audit |
| Building Envelope Specialists | Exterior Building Envelope |
| Carpenter Associates | Electrical Systems |
| Carter Architectural Design, LLC | Architecture/space planning/code review |

Our team is led by Pete Tuell, PE, Project Manager, who will be the primary point of contact for the Town. Pete will be responsible for on-time delivery, budget control, and overall project success. He has over 27 years of experience in engineering and project management.

Resumes for key CES personnel listed above and an organizational chart have been included on the following pages. Resumes for subcontractors are in Appendix A.

# ORGANIZATIONAL CHART



CES INC

# PETER J. TUELL, PE

## VICE PRESIDENT/SENIOR PROJECT MANAGER

**CORE EXPERTISE**

Structural Engineering

Geotechnical Engineering

Expert Witness Testimony

Pete Tuell holds a B.S. in Civil Engineering from the University of Maine and has been serving clients of CES for over 27 years with his specialized knowledge in Structural and Geotechnical Engineering. As a project engineer, Pete works on projects ranging from landfill closures to building retrofits and major treatment plant rehabilitations. Pete has a strong understanding and experience in all phases of design and construction activity, from obtaining permits to coordinating with architects and contractors.

---

**PROFESSIONAL HISTORY**

| | |
|---|---|
| 2015 – Present | CES, Inc., Vice President |
| 2009 – Present | CES, Inc., Director of Structural Engineering |
| 1993 – Present | CES, Inc., Project Engineer |
| 1987 – 1993 | Achron Engineering, Assistant Engineer |
| 1986 | James W. Sewall Co. Survey Party Chief |

**EDUCATION**

B.S. Civil Engineering, University of Maine
A.S. Civil Engineering, University of Maine
Advanced Reinforced Concrete Design
Thermal Soil Mechanics
Designing with Geosynthetics
Seismic Design of Secure Landfills
Structural and Pipe Welding Techniques

**REGISTRATIONS**

Professional Engineer, State of Maine (#7695)

**CERTIFICATIONS**

Troxler Nuclear Surface Moisture-Density Gauge Operator
OSHA HAZWOPER
Standard First Aid & CPR

**AFFILIATIONS**

National Society of Professional Engineers
American Society of Civil Engineers
Maine Society of Professional Engineers
Maine Section of American Society of Civil Engineers

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**Town of Lubec | Public Works Facility | Lubec, Maine**

CES was tasked to complete a full evaluation of the Town's current Public Works Facility to help explore options for the future. As Project Manager, Pete provided an evaluation that included all aspects of the building and its components, including making recommendations on improvements. CES' report also outlined projected costs for the options presented.

**Town of Rockport | Library | Rockport, Maine**
Pete provided the Town with a complete building evaluation to assist with their decision to either expand the existing building or build new. CES evaluated the feasibility of expanding the current footprint and the code issues which the Town would be required to address to provide a compliant facility.

**University of Maine: Blueberry Hill Farm Facility | Jonesboro, Maine**
As a Project Manager, Pete oversaw all design disciplines in developing the new farm shop and research lab. In addition, Pete provided structural designs for building foundations and superstructures as well as providing oversight during construction.

**University of Maine: Maine Bound Adventure Center | Orono, Maine**
Pete provided structural engineering design in the conversion of a historic barn into a new adventure center for the University Maine Bound program. The scope of work included designing a unique lateral bracing system that allowed for the removal of second floor framing so a new indoor climbing wall could be incorporated in the building.

**Millinocket Municipal Swimming Pool / Bath House | Millinocket, Maine**
When the Town of Millinocket's municipal swimming pool had a water loss of over 500,000 gallons in 2005, CES was retained by the Town to evaluate the pool and to make recommendations for its repair or replacement. As Project Manager and Engineer-of-Record, Pete was instrumental in the design and oversight of the construction of this facility. Pete collaborated with architectural, geotechnical and electrical consultants for the design to provide a facility that would serve as the focal point of an established recreational complex.

**United States Coast Guard Station | Eastport, Maine**
Pete acted as Engineer-of-Record for the design of the building framing and foundations. The design had to account for high wind forces along with seismic forces for an essential facility.

**Bar Harbor Municipal Pier/Parking Lot Rehabilitation | Bar Harbor, Maine**
As Project Manager, Pete provided an evaluation of the condition of the pier, designed a retrofit, prepared bidding documents, and performed construction management. The process of creating the new road base and pavement included design and/or rehabilitation of a new water meter station and conveyance systems, as well as storm water drains, catch basins, and conveyance systems. In addition, new walkways were constructed, as was a concrete dock to serve local fishermen. The project was completed within a time frame that did not disrupt the tourist season.

**Underwood Fish Plant Renovations**
Pete provided a review of the structural condition of the former Underwood Sardine Factory in Bass Harbor for a private developer. Later, his work involved the redevelopment of the property as residential condominiums. CES was further engaged to provide rehabilitation design services, completion of local and FEMA permitting and assistance during construction. Construction on this project was successfully completed in 2004.

**Bass Harbor, Maine**
Pete provided a review of the structural condition of the former Underwood Sardine Factory in Bass Harbor for a private developer. Later, his work involved the redevelopment of the property as residential condominiums. CES was further engaged to provide rehabilitation design services, completion of local and FEMA permitting and assistance during construction. Construction on this project was successfully completed in 2004.

CES INC

# DENNIS B. KINGMAN, JR., CHMM

## VICE PRESIDENT/SENIOR PROJECT MANAGER

Dennis Kingman has over 25 years of experience providing: asbestos, lead and PCB management; occupational health and safety consultation; and environmental management services to industry, public and private academic institutions, and local, state, and federal government. As a Senior Project Manager and Senior Environmental Scientist, Dennis oversees, coordinates, and completes environmental, asbestos, lead-based paint (PCB), health and safety, industrial hygiene, and Indoor Air Quality (IAQ) projects. Dennis is experienced in conducting Phase I Environmental Site Assessments and associate HUD related documentation, OSHA compliance audits, industrial hygiene monitoring, IAQ assessments, development and implementation of health and safety programs and associated training. Additionally, Dennis has served as an in-house safety manager for a large academic institution, and has developed and implemented exposure assessment programs, and managed asbestos management programs for a broad range of public and private sector facilities.

**CORE EXPERTISE**

Environmental Management

OSHA/Health and Safety Regulatory Compliance

Asbestos, PCB, and Lead-based Paint Management

Industrial Hygiene and Indoor Air Quality Consulting

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### Professional History

2015 – Present | CES, Inc. | Vice President
2013 – Present | CES, Inc. | Senior Project Manager
2003 – 2013 | Summit Environmental Consultants, Inc. | Manager, Environmental Services
1999 – 2003 | URS Corporation | Senior Project Manager, Office Manager
1997 – 1999 | University of Maine | Assistant Director Environmental Health and Safety
1988 – 1997 | Balsam Environmental Consultants, Inc. | Senior Industrial Hygienist
1986 – 1988 | Pasquini Construction, Inc. | Heavy Equipment Operator
1983 – 1986 | University of Maine | Wildlife Biology Research Assistant

### Education

1983 | B.S. Wildlife Biology, University of Maine, Orono, Maine

### Registrations

Asbestos Design Consultant/Inspector/Management Planner – MDEP
Certified Hazardous Materials Manager (CHMM) #12061

### Affiliations

ME Indoor Air Quality Council (MIAQC) – Past President/Current Board Member

## Project Experience

**63 Main Street, Municipal Offices Indoor Air Quality Assessment | Town of Lincoln, Maine**
Dennis oversaw the completion of a limited Indoor Air Quality (IAQ) assessment of the basement and portions of the first floor at 63 Main Street, which is utilized by municipal employees, to determine if existing conditions within the structure were contributing to poor IAQ in these areas. This assessment was conducted in response to concerns noted by municipal employees related to potential IAQ and moisture infiltration problems within the structure. Based on the findings of the assessment, CES provided recommendations to address conditions potentially contributing to poor IAQ within the building.

**Margaret Chase Smith Federal Building Hazardous Materials Management | Bangor, Maine**
Dennis completed Asbestos, Lead-Based Paint (LBP), and Polychlorinated Biphenyl (PCB) assessments of the MC Smith Federal Building to support current building renovations and upgrades. Dennis developed site specific remediation specifications, PCB remediation work plans for bidding, provided remediation oversight and quality control testing, and inspection services.

**Blake Library PCB Assessment and Remediation, UMaine at Fort Kent | Fort Kent, Maine**
Dennis completed a PCB assessment for portions of the Blake Library affected by planned renovations. Based upon the findings of the assessment, Dennis developed a PCB remediation work plan which was reviewed and approved by the USEPA. Dennis also performed on-site post-remediation clearance inspections and verification testing. Upon completion of remediation work, Dennis developed an Environmental Covenant and long term Monitoring and Maintenance Inspection Plan (MMIP), which was submitted to USEPA for review and approval.

**American Tissue Paper Mill Asbestos Identification Survey, Augusta | Maine**
Dennis completed an asbestos identification survey for the American Tissue Paper Mill (formerly Statler Paper) located in Augusta, Maine. Work included surveys of nine mill buildings associated with the plant including the Boiler House, and Paper Mill building. Suspect Asbestos-containing Materials (ACM) were identified, sampled and quantified. A final report, including abatement cost estimates was prepared for submission to the client.

**Indoor Air Quality and Health & Safety Assessment | Private Health Care Facility, Maine**
Dennis completed an in-depth assessment of a private health care facility as a result of employee and client concerns. The assessment included evaluation of treatment processes, building utilities, employee interviews and ambient air testing. The assessment resulted in the implementation of facility improvements and process modifications, which improved workplace conditions and the quality of client care.

**Medical Examiner's Office | Augusta, Maine**
Dennis completed an Indoor Air Quality assessment for the Medical Examiner's office and associated laboratories. Operating procedures were reviewed, and mechanical systems were

assessed throughout the facility. Dennis performed a variety of surface sampling to determine the presence of microbial contaminants. A final report with observations and recommendations was prepared and submitted to the client.

**Sensata Electronics | Standish, Maine**

Dennis performed surface sampling for the presence of lead and barium at the Sensata plant located in Standish, Maine. Sampling was conducted to support RCRA closure activities at the plant. The project involved the collection of surface wipe samples throughout various areas of the facility to evaluate for possible metals contamination.

**Bureau of General Services, State of Maine-Client Coordinator for Asbestos | Projects at Various Locations throughout Maine**

Dennis acted as Senior Project Manager for asbestos-related work for various public school and state government facilities throughout the state of Maine. Work involved all aspects of Asbestos management including oversight and performance of surveys, re-inspections and development of management plans, abatement design, contract management, development of air monitoring plans. Dennis also conducted abatement management and provided logistical support and interaction with building occupants, parents, and employees as a representative of the client.

CES INC

# SEAN THIES, PE

**SENIOR PROJECT MANAGER**

Sean Thies has over 15 years of civil engineering experience, which includes site design, roadway design, and permitting. Sean's experience includes working with private developers, municipalities, housing authorities, and universities. As a Senior Project Manager, Sean manages a wide variety of projects including road construction/reconstruction projects for municipalities, site development projects for medical facilities, retail facilities, banks, restaurants, offices, and ports to name a few. Additionally, Sean has managed several projects for affordable senior and family housing. Sean has also managed and designed commercial and residential subdivisions. Sean is experienced in permitting with the Maine Department of Environmental Protection, Land Use Planning Commission, Army Corps of Engineers, and many municipalities throughout the State of Maine. Sean's areas of permitting expertise are in site development, storm water, and natural resources.

**CORE EXPERTISE**

- Site Development
- Storm Water Design
- MDEP Permitting
- Road and Infrastructure Design

**PROFESSIONAL HISTORY**

| | |
|---|---|
| 2014 – Present | CES Inc., Senior Project Manager |
| 2007 – 2014 | CES Inc., Project Manager |
| 2002 – 2007 | CES Inc., Project Engineer |
| 1999 – 2002 | CES Inc., Assistant Project Engineer |
| 1997 – 1999 | Squa Bay Inc., Assistant Project Engineer |
| 1996 – 1997 | Maine Emergency Management Agency, Dam Inspector |
| 1994 – 1995 | Frank Woodworth Inc. Construction, Assistant Project Manager |

**EDUCATION** B.S. in Civil Engineering, University of Maine

**TRAINING**
Cold Regions Engineering
Better Roads and Parking: Design Construction and Maintenance
MDEP Storm Water Best Management Practices Design and Effectiveness
MDEP Chapter 500 Storm Water Management Rules
MDEP Low Impact Development Storm Water Best Management Practices

**REGISTRATIONS** Professional Engineer, State of Maine (#10139)

**CERTIFICATIONS**
MaineDOT Local Project Administrator, Level II
Standard First Aid and CPR

**University of Maine Bike Paths | Orono, Maine**

CES was hired by the University of Maine (UMaine) to provide design and permitting services for the construction of a 0.5 mile extension of the existing bike path system as well as the reconstruction of the existing bike paths that were constructed in the 1970's. Sean served as the Project Manager for both of these projects. Tasks included: survey, MDEP permitting, Army

Corps of Engineers Permitting, design, and assisting UMaine with the MDOT LPA process. Both of these projects were funded by the MDOT and locally administered by UMaine. Due to limited funds, the existing bike paths were evaluated to determine what level of reconstruction should be done on each section depending on the conditions of those sections. We were able to work well with UMaine and the contractors to complete two very successful projects that the owner is very happy with.

**Veteran's Park | Milo, Maine**
Sean served as the project manager for the design of Veteran's Park for the Town of Milo. The Town hired CES to design a park area along the shores of the Sebec River. The project included improvements to an existing boat ramp facility, parking area improvements, and walkways connecting the existing park gazebo area to the Main Street sidewalks. CES provided survey, design services, and construction administration and inspection. Since the project included improvements to the Main Street sidewalk, coordination with MaineDOT was also required. The project was funded with CDBG money and CES provided the grant administration.

**Dirigo Drive | Brewer, Maine**
Sean served as Project Engineer and assisted the task of designing 7,700 feet of new roadway to alleviate traffic congestion on Wilson Street in Brewer, Maine. This road, known during construction as the Parallel Road, runs alongside Wilson Street on the north and Interstate 395 on the south. Sean was involved with the right-of-way, roadway design, storm and sanitary sewer design, permitting, and construction monitoring for the entire project.

**The Pines Neighborhood Infrastructure Project | Millinocket, Maine**
CES worked with the Town of Millinocket and Aqua Maine (the Town's water service provider) on a neighborhood scale infrastructure improvement project in the "Pines" neighborhood. As Project Manager, Sean was directly involved with the replacement of sanitary sewer lines, water lines, storm drain, and the reconstruction and repaving of all affected roadways.

**Brewer Economic Development Corporation (BEDC), Dirigo Drive Subdivision and Shapero Lot Subdivision | Brewer, Maine**
Sean designed and permitted two commercial subdivisions on Dirigo Drive in the City of Brewer. The two subdivisions created 12 lots for development in the newly created Professional Business District in the City. Work included City and State permitting as well as lot layout. Lots were generally accessed from Dirigo Drive, which was also designed and built as a separate project.

**Eastern Maine Healthcare | Brewer, Maine**
As project engineer, Sean provided the site design and SLODA and NRPA permitting for a 500,000 square foot professional office complex on a 126 acre lot in Brewer, Maine. This work involved the design of a new intersection onto Wilson Street (U.S. Route 1A), a 1,000 foot access road complete with all utilities, and approximately 24 acres of parking lot. This project also involved interior roadway design, sanitary sewer, water, surface and subsurface drainage, underground electric and fiber-optic telephone utilities, and a storm water detention/treatment system.

**Miscellaneous Permitting for the University of Maine**
Sean was involved in preparing an after-the-fact Site Location of Development Application (SLODA) for the University of Maine (UMaine) to permit completed and planned projects at that time. Since this permit was issued by MDEP, Sean has helped prepare more than 35 minor

modifications, minor amendments, and amendments to the original permit. Projects have included parking lots, building additions, new building construction, sidewalk construction, and many other miscellaneous projects. Through these permitting projects, CES, Inc. has completed storm water management plans to control the runoff from the campus. All new projects done on campus that create impervious surface are required to modify the original SLODA permit. Sean worked on a storm water management plan for the entire UMaine campus to address drainage issues that are a concern to both UMaine and MDEP.

**Brewer Housing Authority Community Center | Brewer, Maine**

As the Project Manager/Senior Project Engineer, Sean provided site design and permitting for a proposed 12,000 square foot community center building for the Brewer Housing Authority in Brewer, Maine. The proposed building included adult education classrooms as well as daycare facilities. CES provided site design including: parking, pedestrian access, utilities, and storm water management design services. The proposed project required Site Development permitting through the City of Brewer along with an amendment to the Housing Authority's existing Maine Department of Environmental Protection Site Location of Development Permit. The site design was required to meet all MDEP requirements pertaining to storm water management. The project was successfully completed in the fall of 2013.

**Leonard Lake Senior Housing | Ellsworth, Maine**

As the Project Manager/Senior Project Engineer, Sean provided site design and permitting for a 26 unit senior housing facility located in Ellsworth, Maine. The proposed project was developed by Penquis Housing for low income senior citizens. The project included one 12,000 square foot two story building with associated parking and access. CES provided site design including parking, vehicle and pedestrian access, utilities, storm water, and retaining wall design. The project required Site Plan and Subdivision review by the City of Ellsworth along with a Maine Department of Environmental Protection Storm Water Permit-by-Rule application.

CES INC

# CHRIS W. SNOWDEAL, PE

**PROJECT ENGINEER**

Chris Snowdeal holds a B.S. in Civil/Structural Engineering from the University of Maine has over 15 years of structural engineering work experience, including foundation design and design of wood, steel, and concrete structures. Chris also has nine years of site design experience, including site plan and storm water quantity applications, subdivision designs, drainage analysis and design, roadway design, and design of underground utilities. Additionally, Chris is skilled in using AutoCAD Architecture, Revit, RAM Elements, and Microsoft Software.

**CORE EXPERTISE**

- Building and Life Safety Code Review
- General Structural/Building Analysis and Design
- Construction Document Development
- Construction Administration

## PROFESSIONAL HISTORY

| | |
|---|---|
| 2009 – Present | CES, Inc., Project Engineer |
| 1999 – 2009 | CES, Inc., Assistant Engineer |
| 1998 – 1999 | CES, Inc., Technician |

**EDUCATION**

B.S. Civil Engineering, University of Maine
Ram Elements Training
AutoCAD Architecture
Surface Quality and Storm Water Solutions
Pervious Concrete
Insulated Concrete Forms

**REGISTRATIONS** Professional Engineer, State of Maine (#13764)

**CERTIFICATIONS** Standard First Aid and CPR

**AFFILIATIONS**

Sunrise County Economic Council – Current Board Member
Mathcounts – Past Volunteer – Current Chapter Coordinator

**Millinocket Municipal Swimming Pool and Bath House | Millinocket, Maine**
When the town of Millinocket's municipal swimming pool had a water loss of over 500,000 gallons in 2005, CES was retained by the Town to evaluate the pool and to make recommendations for its repair or replacement. As Project Engineer, Chris completed all aspects of the design of this facility.

**Tower Services Corporation, Black Cap Mountain | Eddington, Maine**
As an Assistant Engineer, Chris was responsible for tower analysis, support cable design, foundation design, and plan development.

**US Coast Guard Station | Eastport, Maine**
As an Assistant Engineer, Chris was responsible for providing steel framing and foundation designs for the new Coast Guard Station.

**Black Bear Medical | Bangor, Maine**
For the development of Black Bear Medical's new 15,000 square foot steel building, Chris provided framing and foundation design.

**Limestone Community Center | Limestone, Maine**
This project included the siting and design of a community building for a community of approximately 3,300 residents. Chris was responsible for site design.

**Town of Roque Bluffs Fire Station | Roque Bluffs, Maine**
As Project Engineer, Chris was responsible for site, foundation, framing and general building design, contract document development and construction administration for a 1,400 square foot Fire Station partially funded by a Community Development Block Grant.

**Eastport Port Authority Warehouse | Eastport, Maine**
As Project Engineer, Chris was responsible for reviewing design plans and technical specifications for conformance to the current building code for 30,000 square foot fabric covered warehouse.

**Eastport Port Authority Office Building | Eastport, Maine**
As Project Engineer, Chris was responsible for building code review, plan development, foundation and framing design, and Construction and Barrier Free permit applications for a 5,900 square foot office building.

CES INC

# NATHAN A. GUSTAFSON, PE

**PROJECT ENGINEER**

Nathan Gustafson holds a B.S. in Mechanical Engineering Technology from the University of Maine. Nate has nine years of civil engineering experience related to infrastructure analysis design and construction. Nate works on a wide range of projects including road and utility analysis and design, water and wastewater treatment plant upgrades, and pump station design. Nate assists industrial clients with planning, preparation, procurement, supervision, and inspection during major and minor maintenance outages. Additionally, Nate serves as a Field Inspector for complex municipal sewer pump stations, sewer and water systems, and road construction work in a number of Maine municipalities.

**CORE EXPERTISE**

Infrastructure Analysis, Design, and Construction

Wastewater Treatment Plant Upgrades

Pump Station Design

## PROFESSIONAL HISTORY

| | |
|---|---|
| 2004 – Present | CES, Inc., Project Engineer |
| 2002 – 2004 | Old Town Water District, Engineering Technician |

**EDUCATION** B.S. Mechanical Engineering Technology, University of Maine

**REGISTRATIONS** State of Maine Licensed Professional Engineer (#13589)

**CERTIFICATIONS**
Maine Class I & II Water Treatment System License
Maine Class I & II Water Distribution System License
Troxler Nuclear Surface Moisture/Density Gauge Operator
Standard First Aid and CPR

**Davenport Street Area Roadway and Utility Improvements | Town of Milford, Maine**
Nate acted as Project Engineer for the roadway and utility improvements to several roads in the Town of Milford. Six roads in the center of the Town were rebuilt and the water, sanitary sewer, and storm drain systems were also replaced. The project was funded by USDA/RD and DWSRF.

**Sewer Pump Stations Replacement | Town of Milford, Maine**
Nate was the Construction Representative for the replacement of four of the Town's existing below-grade sanitary sewer pump stations with aboveground pump stations, designed by CES. The project was funded by USDA/RD.

**Castine Village Infrastructure Improvements | Town of Castine, Maine**
Nate designed and acted as the Construction Representative for Infrastructure Improvements on several roads in the Town of Castine. This project rebuilt several roads throughout the Town and included the replacement of storm, sewer, and water mains.

**Otter Creek Pump Station and Force Main Project | Mount Desert, Maine**
As Construction Representative, Nate oversaw the construction of a new pump station and the installation of approximately three miles of 8" diameter force main. The project required a pump station to match current park architecture building features.

**Capital Improvement Plan: Richmond Utilities District | Richmond, Maine**
Nate acted as Project Engineer for the Capital Improvement Plan. The project included GPS location of all available water system components, development of a System Map, development and calibration of a WaterCAD water system distribution model, analysis of the system to identify deficiencies, a prioritized listing of recommended improvements for the District, and a report summarizing our findings along with cost estimates for each recommendation. The Plan outlined Short Term and Long Term recommendations.

**Master Plan: Washburn Water and Sewer District and the Town of Washburn | Washburn, Maine**
Nate acted as Project Engineer for the Master Plan developed for the Washburn Water and Sewer District and the Town of Washburn. Work included a cursory level infiltration and inflow study to identify areas within the wastewater collection system where extraneous flows were an issue. It included the collection of hydrants and manholes with GPS equipment to assist with flow estimates and water model creation. Nate assisted in creating a WaterCAD water distribution system model and performed analysis to identify deficiencies within the system. Additionally, Nate evaluated the condition of the existing drainage system components and performed a HydroCAD analysis for each major drainage area. The work included several recommendations for improvements to each of the three systems throughout the community. The recommendations were prioritized and costs for implementing each were developed in current dollars.

CES INC

# CHRISTOPHER "TOBY" MICHAUD, PE

**PROJECT ENGINEER**

Christopher "Toby" Michaud has over 10 years of experience providing mechanical and civil engineering design to residential and commercial developments and industrial projects. As a Project Manager / Project Engineer, Toby oversees the design, permitting, bidding, and construction of site and roadway projects, as well as heating, ventilation, and air conditioning (HVAC) projects, and energy audits and assessments for residential, commercial, and industrial clients. Toby is experienced in working with local, state, and federal agencies to obtain required permitting, including local planning board approval, Site Location of Development, Stormwater Permit by Rule, and Stormwater Permit, as well as preparing spill prevention, control, and countermeasure (SPCC) plans.

**CORE EXPERTISE**

Site Development

Stormwater Management and Phosphorus Control

Local, State, and Federal Permitting

HVAC Design and Energy Assessments/Audits

## PROFESSIONAL HISTORY

| | |
|---|---|
| 2004 – Present | CES, Inc., Project Engineer |
| 2002 – 2004 | Lincoln Pulp and Paper Division of Eastern Paper, Junior Project Engineer |

**EDUCATION**

B.S. Mechanical Engineering, University of Maine
B.A. Behavioral Sciences, University of Maine at Presque Isle
A.A. Criminal Justice, University of Maine at Presque Isle

**CERTIFICATIONS**

Registered Engineer, State of Maine #12674
Standard First Aid and CPR

**AFFILIATIONS**

American Society of Mechanical Engineers
Order of the Engineer

**Road Reconstruction | Cranberry Isle, Maine**

Toby designed the reconstruction of four roads on Great Cranberry Isle and a roadway on Little Cranberry Isle. These projects included completing a drainage study on the roads to improve stormwater flow lines. Additionally, Toby also coordinated the replacement of roadway pavement with recycled slate roof shingles on the roadway on Great Cranberry Isles.

**Pine Grove Road | Glenburn, Maine**
Toby updated and brought to completion this the reconstruction of Pine Grove Road in Glenburn, Maine. Work on this project included the addition of culverts, culvert replacement, pavement reclamation, and roadway paving. Toby assembled the bid package, assisted the Town with the bidding process, and responded to resident questions during the construction phase.

**Whispering Meadow Subdivision | Bangor, Maine**
Toby designed the stormwater BMPS and erosion control measures required for the State Stormwater Permit approval of a 21 lot subdivision in Bangor, Maine. The stormwater BMPS utilized were underdrained soil filters.

**Woodridge Subdivision Phases I, II, III, and IV | Bangor, Maine**
Toby designed the stormwater BMPS and erosion control measures required for the Site location of Development Permit approval of a four phase subdivision, which included a total of 63 single family residential lots and 24 single family attached residential units in Bangor, Maine. The stormwater BMPS utilized were underdrained soil filters and both meadow and wooded buffers.

**Grandview Estates | Bangor, Maine**
Toby created the site design of a 54-unit condominium development in Bangor, Maine. The site design included vertical road design of a 1,500 linear foot roadway, road and site grading, stormwater treatment design, Maine DEP Stormwater Permit Application, and City of Bangor Land Development Application Materials.

**Herrick Heights Subdivision | Brooksville, Maine**
Toby designed the stormwater BMPS and erosion control measures required for the State Stormwater Permit and local Phosphorus Standard approvals of a 13 lot subdivision in Brooksville, Maine. The Stormwater BMPS utilized were a combination of both wooded and meadow buffers and an underdrained soil filter.

**Dunbar & Brawn Construction Laydown Area | Bangor, Maine**
Toby designed the stormwater BMPS and erosion control measures required for the State Stormwater Permit approval of a laydown area for Dunbar & Brawn Construction in Bangor, Maine. The Stormwater BMP utilized was an underdrained soil filter.

**Deer Park Self-Storage Facility | Milford, Maine**
Toby designed the stormwater BMPS and erosion control measures required for the Site Location Development Permit approval of the Deer Park Self-Storage facility in Milford, Maine. The storage facility included an 115,600 square foot climate controlled storage and retail store building along with 824 storage units. The stormwater BMP utilized was two wet ponds.

**Town Hall | Lowell, Maine**
Toby designed the HVAC system for the dual use Town Hall and Fire Station for the Town of Lowell. The system was designed with radiant floor heating for the 60' x 40' Fire Station and adjacent Town Hall.

**Feasibility Study: Pleasant River Lumber | Dover-Foxcroft and Enfield, Maine**
Toby examined the cost effectiveness of installing a boiler and turbine at Pleasant River Lumber's Dover-Foxcroft lumber yard, as well as the layout of a new lumber yard in Enfield, Maine. This new lumber yard also included a boiler, turbine, and kilns.

**Steam System Upgrade: Lincoln Paper & Tissue | Lincoln, Maine**
Toby provided the steam system upgrade designs for Lincoln Paper & Tissue's paper Mill's 175# and 40# steam systems in the utilities area. The upgrade included the addition of two desuperheaters to maximize steam efficiency.

**Pressure Vessel and Safety Value Integrity, Lincoln Paper and Tissue | Lincoln, Maine**
Toby is currently managing the Lincoln Paper and Tissue's Pressure Vessel and Safety Value Integrity Program. Toby was instrumental in its conception and implementation.

**Sprinkler System Replacement: Indian Island School | Indian Island, Maine**
Toby oversaw the demolition of the existing sprinkler system and the installation of a new sprinkler system. The construction observation of the new system installation included the review of contractor drawings and verification that the new system met current NFPA Code.

**Milo Safe Streets | Milo, Maine**
Toby designed the reconstruction of two intersections, as well as sidewalks, crosswalks, and drainage in the downtown Milo area to improve pedestrian safety and traffic flow.

**Eastern Piscataquis Business Park | Milo, Maine**
As the project manager, Toby was responsible for the design and bidding for the Eastern Piscataquis Business Park entrance road. The project included design of 800 feet of roadway with associated utilities.

**Lakeside Landing Road Improvements | Glenburn, Maine**
Toby was responsible for the management of the Lakeside Landing Road Improvements project. The project consisted of the design of approximately 3,100 linear feet of roadway with associated drainage improvements, as well as bidding administration assistance, and construction oversight.

# QUESTIONNAIRE REQUIRED FOR ALL RESPONDENTS

## 7. RELEVANT PROJECT EXPERIENCE

CES has experience in all phases of building evaluations, code reviews, and energy audits. Many of these projects start out as evaluations and then progress into renovation and improvements projects based on our recommendations. On the following pages, we have outlined several projects that highlight our experience that is similar in scope to what the Town of Lincoln is requesting for this project.

## FIRE STATION IMPROVEMENTS

**Town of Dover Foxcroft, Maine**

Owner/Contact

Jack Clukey
Town Manager
(207) 564-3318

Project Description

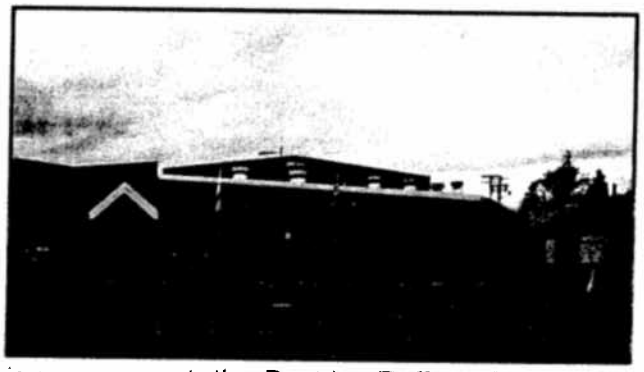
The Town of Dover Foxcroft's Fire Station is centrally located in the Town and the building has served the community well. Over the years, as the equipment needs and size of the trucks grew, the floor system supporting those trucks began to wear and settle. CES evaluated the floor system through the use of its Geoprobe unit and made recommendations for repairs and upgrades. Our design required the removal of the existing concrete floors, removal of low quality subgrade materials, installation of structural fill, and the installation of a new floor drainage system. In addition, we were able to redesign the finish floor elevation, lowering it by eighteen inches to accommodate the larger trucks. Besides the design services, CES assisted the Town during construction by providing contract administration and over site. The project was completed in the summer of 2010.

## BEATRICE RAFFERTY SCHOOL | Pleasant Point Reservation

**Perry, Maine**

Owner/Contact

Kathy Chambers
Facilities Manager
Maine Indian Education
(207) 454-2126



Project Description

CES has provided consulting engineering services to Maine Indian Education for many years. One of the buildings under their management, the Beatrice Rafferty School, has experienced indoor air quality issues from mold growth. CES was retained to evaluate the exterior envelop to determine if that was the source for water infiltration. Through our evaluation, we were able to conclude the poor condition of the wall system coupled with improper ventilation was the main reason for the moisture build up and subsequent mold issues. CES then developed a repair scheme that was implemented in two phases, as funding was available. We developed the contract documents, procured the contractor, and provided construction oversight and support. The project was completed in 2013.

## GREENWAY EQUIPMENT BUILDING
**Bangor, Maine**

Owner/Contact

Mitch Smith
(207) 990-4433

Project Description

Greenway Equipment is locally owned and operated distributor of John Deere equipment and accessories. Due to prolonged success, they have outgrown their current facility and were exploring options on larger buildings. When they placed an offer on a building that projected to meet their long term needs, CES was retained to evaluate all aspects of the building and its components. In addition, CES completed an environmental assessment of the property and identified any possible issues prior to completing the purchase. Once the purchase was completed, CES developed the floor plans and design requirements that allowed Greenway to move into the construction phase, including obtaining Fire Marshal approval. The project is slated for completion in April 2015.

## PUBLIC WORKS FACILITY
**Lubec, Maine**

Owner/Contact

John Sutherland, Town Manager
(207) 733-2341

Project Description

The Town of Lubec operates a Public Works Facility on Town owned property off State Rte. 189. The facility has been in operation for over fifty years and as it currently stands, it does not meet the needs of crew and their mission. The Town has explored options for replacing the facility with a larger, more modern building but was hesitant to invest the funds required for such a facility. In order to better assess the financial impacts to the Town, they requested CES complete a full evaluation of the current facility. Our evaluation included all aspects of the building and its components, including making recommendations on improvements. Finally, we presented those recommendations in the form of a final report that also outlined projected costs for the options presented. This phase of the project was completed in February 2015.

CES INC

## Rockport LIBRARY

**Rockport, Maine**

Owner/Contact

Contact: Richard Bates, Town Manager
Phone: 207-236-0806

Project Description

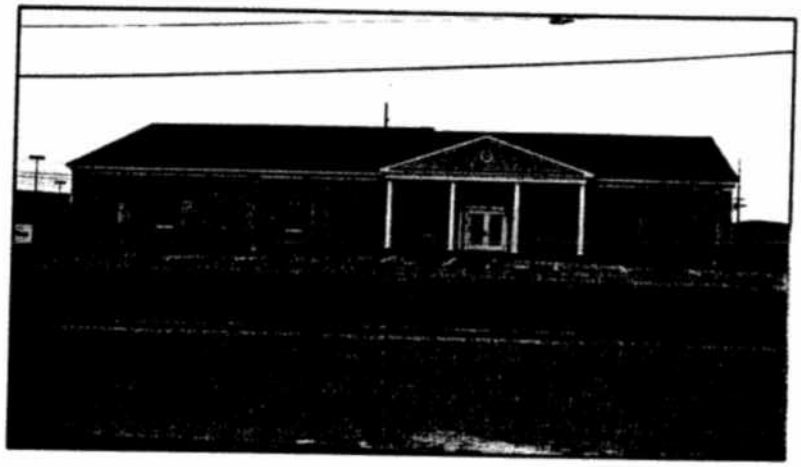
The Town of Rockport has maintained a library in the center of the Town since the 1940's. As the needs for the library grew, so did the building footprint due to several expansions over the years. Currently, the library faces space constraints as the needs and functions continue to grow. However, issues with the building and the feasibility to expand it to meet those needs have left the Town undecided on its future and how to proceed. To assist with their decision, the Town retained CES to complete a building evaluation and render an opinion on its current condition. In addition to the existing conditions evaluation, CES evaluated the feasibility of expanding the current footprint and the code issues which the Town would be required to address to provide a compliant facility. We provided this information in the form of a final report and presented our findings in a public forum. The project was completed in the Spring of 2015.

CES INC

# ADP BUILDING ASSESMENT & RENOVATIONS

## ADP, CARMICHAEL STREET, PRESQUE ISLE, MAINE

Owner/Contact
George Psilakis
ADP, Inc
225 Second Avenue
Waltham, MA 02454
(781) 622-3310



Market
Private

Project Highlights

- Provided assessment of the existing HVAC system regarding a change in use of the building.
- Designed HVAC upgrades to the ventilation and air conditioning in accordance with American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) Standard 62.1 – Ventilation for Acceptable Indoor Air Quality.

Project Description

CES was retained by Automatic Data Processing, Inc. (ADP) to provide an assessment of the existing heating, ventilation, and air conditioning (HVAC) components in a building that the company was intending to rent from Maine Public Services Company. The original use of the building was an office area, with a break room, bathrooms, and a garage. The garage was to be maintained by the owner of the building, but the rest of the building was to be utilized as a payroll processing facility.

An assessment was made on the existing HVAC components, and it was determined that the existing boiler was adequate for building, but depending on configurations of walls, some of the heating piping may need to be revised. Regarding the existing ventilation and air conditioning systems, it was determined that the requirements of the space would be more with the proposed use than the existing use, and the ventilation and air conditioning systems would need to be updated for the proposed use.

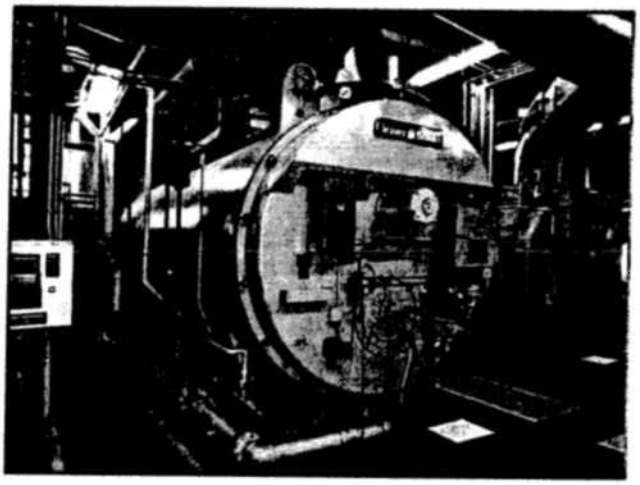
CES INC

# DOROTHEA DIX MACT ENERGY ASSESSMENT

**STATE OF MAINE, BANGOR, MAINE**

Contact

Mark C. Faulkner
Dorothea Dix Psychiatric Center
P.O. Box 926
Bangor, ME 04402
(207) 941-4246



Market
State

Project Highlights

- Performed energy assessment of the facility in accordance with United States Environmental Protection Agency's Major and Area Source Boiler Maximum Achievable Control Technology (MACT) rules.
- Provided report to the facility with recommendations to improve the efficiency of facility operations.

Project Description

CES was retained by the Dorothea Dix Psychiatric Center (DDPC) in Bangor, Maine to perform an energy assessment at their facility in accordance with United States Environmental Protection Agency's Major and Area Source Boiler Maximum Achievable Control Technology (MACT) rules. The assessment included a visual inspection of the boiler system, an evaluation of the operating characteristics of the boiler system and the systems utilizing the boiler system energy, and a review and inventory of the available plans, facility procedures, and fuel usage.

After the inspection of the boiler and energy use systems and review of facility information, CES provided the DDPC with a listing of major energy conservation measures within DDPC's control, the saving potential of the energy conservation, and a comprehensive report detailing the ways to improve efficiency, the cost and benefits of the specific improvements, and the time frame for recouping the investments.

# QUESTIONNAIRE REQUIRED FOR ALL RESPONDENTS

## 8. Work Scope, Budget, Completion Timeline and Fee Schedule

Based on our understanding of the project, we present the following Work Scope and Budget to meet the goals and objectives of the Town.

**Task 1 | Kick Off Meeting:** Key members of the project team will meet with Town officials to discuss the project goals and objectives. This would also be the time to establish lines of communication, distribute any plan and ordinance information, and set times for our team personnel to visit the site. We understand there are ongoing business operations that need to be considered, so those details for access will have to be worked out and coordinated with the current building occupants.

**Task 2 | Building and Systems Evaluation:** Using the information gleaned from the above task, our Project Team will complete the evaluation of the building and associated systems. Our evaluation will follow the format outlined in the RFQ/P with regards to issues important to the Town and standards identified (IEBC, ASHRAE 90.1, 62, ADA, NEC, Life Safety). This includes a review of structural components, electrical system, mechanical systems, energy audit, air quality/HAZMAT issues, and ADA/Life Safety Code evaluation. In addition, we will review the Town Ordinances with respect to land use and the projected occupancy.

**Task 3 | Plan Development and Space Planning:** It is our understanding the Town has done an initial floor plan layout for all levels of the building. Under this task, our Design Team would review the proposed floor plans for space programing needs, efficiency of use, and code compatibility. Adjustments in the floor plans will be made to ensure an efficient use of space and code compliance. We anticipate meeting with the Town at the end of this task for review and comment.

**Task 4 | Report of Findings:** Upon completion of Tasks 1-3, CES will present our findings in the form of a written report to the Town. The report will assess the building's existing condition, how those assessments relate to the projected use, recommendations for improvements, floor plans developed in Task 3, and cost estimates for planned improvements. We anticipate meeting with the building committee for review and discussion.

The total budget estimate to complete this project is **$37,000.00.**

| TASK | DESCRIPTION | BUDGET |
|---|---|---|
| 1 | Kick Off Meeting | $ 1,800.00 |
| 2 | Building and Systems Evaluation | $ 30,000.00 |
| 3 | Plan Development and Space Planning | $ 1,600.00 |
| 4 | Report of Findings | $ 3,600.00 |
| | **TOTAL** | **$ 37,000.00** |

The anticipated timeline for this project:

| TASK | DESCRIPTION | COMPLETION TIMELINE |
|---|---|---|
| 1 | Kick Off Meeting | Week of July 20, 2015 |
| 2 | Building and Systems Evaluation | Week of July 27, 2015 |
| 3 | Plan Development and Space Planning | Week of August 10, 2015 |
| 4 | Report of Findings | August 20, 2015 |

The requested Fee Schedule and our Estimated Projection of Hours by staff type are provided on the following pages.

CES INC

# SCHEDULE OF CHARGES

*(EFFECTIVE DECEMBER 1, 2014)*

| CHARGES FOR PERSONNEL | |
|---|---|
| Principal | $ 125.00/hr to $ 140.00/hr |
| Senior Project Manager | $ 100.00/hr to $ 135.00/hr |
| Project Manager | $ 80.00/hr to $ 110.00/hr |
| Senior Project Engineer/Geologist/Scientist | $ 90.00/hr to $ 135.00/hr |
| Project Engineer/Geologist/Scientist | $ 75.00/hr to $ 100.00/hr |
| Engineer/Geologist/Scientist | $ 60.00/hr to $ 100.00/hr |
| Senior Land Surveyor | $ 80.00/hr to $ 115.00/hr |
| Land Surveyor | $ 70.00/hr to $ 85.00/hr |
| Senior Designer | $ 70.00/hr to $ 125.00/hr |
| Designer | $ 65.00/hr to $ 80.00/hr |
| GIS Analyst | $ 65.00/hr to $ 95.00/hr |
| Senior Technician | $ 60.00/hr to $ 85.00/hr |
| Technician | $ 45.00/hr to $ 80.00/hr |
| Technical Aide | $ 35.00/hr to $ 55.00/hr |
| Senior Project Assistant | $ 50.00/hr to $ 110.00/hr |
| Project Assistant | $ 35.00/hr to $ 65.00/hr |
| Construction Observer/Manager | $ 50.00/hr to $ 95.00/hr |
| Financial Manager | $ 125.00/hr |
| One Person Robotic Survey Crew | $ 125.00/hr |

**LITIGATION/COURT RELATED MATTERS:** When serving as consultants to members of the legal profession and as expert witnesses in courts of law, arbitration proceedings, and administrative adjudication proceedings, hourly fees for personnel will be invoiced at 1½ (one and one-half) times the standard hourly rate. This rate is also applicable to time associated with preparation for these services.

**EXPENSES:** Subconsultant's fees processed through CES will be marked up 15% to cover our direct costs associated with retaining these services. Mileage will be billed at the rate of $.65 (sixty-five cents) per mile. Photocopies, blue prints, and other project related reimbursable expenses will be billed at cost.

**INVOICES:** Invoices for personnel time and expenses will be submitted on a monthly basis and will be due when rendered. Interest at a rate of 1½% per month will be assessed to bills remaining due and not paid within 30 (thirty) days.

CES INC

# TOWN OF LINCOLN

## Court House Building

***Presented: July 8, 2015***

| | PIC $140.00 | SPM $130.00 | PE $100.00 | SD $ 80.00 | DES $ 75.00 | SPA $ 65.00 | Survey $125.00 | SD $ 90.00 | Exp/Subs ($) | Total Cost of Phase |
|---|---|---|---|---|---|---|---|---|---|---|
| Site visit for meeting CES | | 5 | | | | | | | | |
| Carpenter Associates | | | | | | | | | $ 110.00 | $ 760.00 |
| Matt Carter, AIA | | | | | | | | | $ 520.00 | $ 520.00 |
| | | | | | | | | | $ 520.00 | $ 520.00 |
| Exterior Envelope: Building Envelope Specialists | | 1 | | | | | | | $ 6,000.00 | $ 6,130.00 |
| Structural Evaluation: CES | | 3 | 16 | | | | | 24 | | $ 4,150.00 |
| Mechanical Evalaution: CES | | 1 | 12 | | | | | 30 | | $ 4,030.00 |
| Electrical Evaluation : Carpenter Associates | | 1 | | | | | | | $ 4,160.00 | $ 4,290.00 |
| Air Quality/HAZMAT Evaluation: CES (Dennis Kingman) | | 1 | | | | | | | $ 3,500.00 | $ 3,630.00 |
| ADA/Life Safety Review: Carter, CES | | | 6 | | | | | | $ 5,000.00 | $ 5,600.00 |
| Site Evaluation: CES | 1 | 1 | 16 | | 4 | | | | | $ 2,170.00 |
| Plan Development of Existing Conditions | | 1 | | | 12 | | | | $ 40.00 | $ 1,070.00 |
| Space Planning and Plan Adjustments | | 1 | 4 | | | | | | | $ 530.00 |
| Plan Development for report | | | 2 | | 6 | | | 4 | $ 230.00 | $ 1,240.00 |
| Report development | 1 | 14 | 4 | | | | | | | $ 2,360.00 |
| | | | | | | | | | | $ - |
| | 2 | 29 | 60 | 0 | 22 | 0 | 0 | 58 | $ 20,080.00 | |
| Estimated Fee for Services | | | | | | | | | | $ 37,000.00 |

**LEGEND**

PIC = Principal-in Charge
SPM = Senior Project Manager
PE = Project Engineer
SPE = Senior Project Engineer
PE = Project Engineer
SD = Senior Designer
RPR = Resident Project Representative
CLER = Clerical
SURVEY = 2 man crew
SPA = Senior Project Assistant
DES = Designer

## SECTION 4 | CONFLICT OF INTEREST DISCLOSURE FORM AND SIGNATURE BLOCK

## CONFLICT OF INTEREST DISCLOSURE FORM

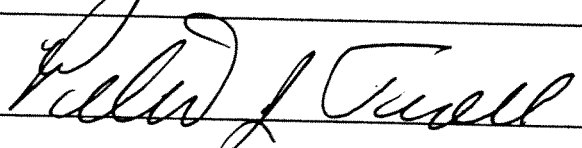
To assist the Town in identifying possible conflicts of interest, all respondents must complete both disclosures below:

1. Check "Yes" if any town employees or officials are owners, corporate officers, employees, or otherwise associates of the firm and provide the name and relationship to the firm of such individuals below. Otherwise check "No".

[ ] YES [X] NO

| NAME | POSITION/RELATIONSHIP |
|---|---|
| | |
| | |
| | |

Please include and fully execute the following signature block with your firm's response to this RFQ including all other forms as required.

| SIGNATURE BLOCK | |
|---|---|
| FIRM NAME | CES, Inc. |
| AUTHORIZED SIGNATURE |  |
| PRINTED NAME | Peter J. Tuell, PE |
| POSITION/TITLE | Vice President |
| DATE | July 8, 215 |

# APPENDIX A | COMPANY OVERVIEWS AND RESUMES OF SUBCONTRACTORS

A brief description of our subcontractors Building Envelope Specialists, Carpenter Associates and Carter Architectural Design, LLC, and resumes of key personnel from each of these firms for this project follows

# Building Envelope Specialists

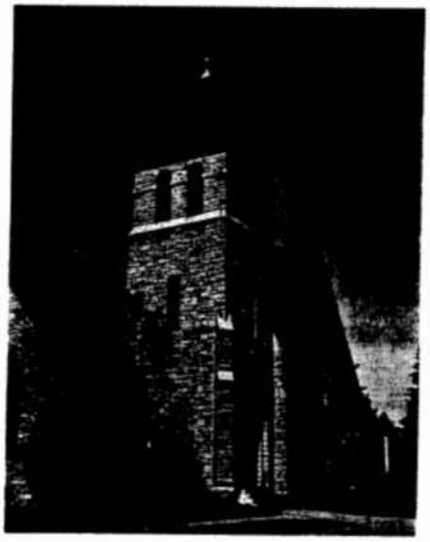
SPECIALIZED BUILDING CONSULTANTS *"Your single source for your building consulting needs!"*

Building Envelope Specialists Inc. is a full service consulting company specializing in the investigation, evaluation, and repair of historic and non-historic building envelopes. BES offers architects, engineers, facility managers, maintenance departments, and owners a **single source** for their building envelope needs. From onsite assessments and the preparation of construction documents, to project management services during construction, BES provides their clients a level of professional services beyond their expectations.

Our office is conveniently located in southern Maine; BES is always near by, able to respond quickly to the client's needs. Whether a sudden moisture infiltration from a storm or the planning stages of a capital repair project, we are there to lessen client's worries with dependable and reliable service.

**BES's typical list of services will include:**

Envelope Inspections
Building Assessments & Forensic Investigations
Remedial Details or construction documents
Project Management
Construction Management
Post-Construction Evaluations
Historic Preservation Consulting
Peer Reviews
Expert Litigation support
Thermal Imaging
Q.C. Inspections



**Typical Clients Served:**

Municipalities
Educational Institutions
Government Agencies
Architects
Engineers
Healthcare Organizations
Non-Profits
Private Clients

From the newest building construction to a historically significant structure, next door or miles away, BES will provide construction-consulting services beyond your expectations.

P.O. Box 2589. South Portland, Maine 04116
Tele: 207-400-0086

**Building Envelope Specialists**
SPECIALIZED BUILDING CONSULTANTS

## Scott R Whitaker- Lead Masonry Envelope Consultant

**President of Building Envelope Specialists, Inc.**
**Principal in Charge & Lead Consultant**

**Education:**

A. Science, Engineering Technology, Spring Garden Engineering College.
B. Science in Architecture course work, Union Institute & Boston Architectural Center.

**Awards:**

- Winner of 2008, Maine Preservation, Preservation Honor Award for the repair and restoration of St Ann's Episcopal Church.
- Winner of 2008, Maine Honor Preservation Award in the repair and restoration for the Beech Nut Hut in Rockland, Maine.
- Winner of 2011, New Hampshire Preservation Award for the repair and restoration of Academy Hall in Exeter, New Hampshire.
- Winner of 2012, Maine Preservation Honor Award for the adaptive use of the Twitchell-Chaplin Co. Building in Portland, Maine.
- Winner of 2012, Maine Preservation Honor Award for the adaptive use of the Maine Hall Building in Bangor, Maine.
- Winner of 2013, Maine Preservation Honor Award for the adaptive use of the Maine Children's Hospital in Portland, Maine.
- Winner of 2013, Maine Preservation Honor Award for the repair and restoration of Porter Memorial Library in Machias, Maine.
- Winner of 2013, Maine Preservation Honor Award for the repair and restoration of Porter Memorial Library in Machias, Maine.
- Winner of 2013, Maine Preservation Honor Award for the repair and restoration of Moody Chapel Tower in Fairfield, Maine.
- Winner of 2013, Maine Preservation Honor Award for the repair and restoration of Lamb Block in Livermore Falls, Maine.

- Winner of 2013, Federal "Timmy" Award for the adaptive use of the Maine Children's Hospital in Portland, Maine.

**Noted Speaker:**
2011: Cellular Foam Grout-New Hampshire Board of Engineers.
2012: Masonry Restoration and Your Campus-NNECARAPPA Conference.
2013: Masonry Restoration and Your Campus-Maine Hospitals Conference.
2014: The ABC's of navigating Historic Masonry Building Restoration using Historic tax Credits.

**Affiliations:**
NNECERAPPA
MEHES
MEREDA
American Institute of Architects
Portland Landmarks
Maine Preservation
Portland Chamber of Commerce
The Masonry Society
Masonry Institute of America
Portland Society of Architects

**Employment Experience:**
Mr. Whitaker has specialized in building envelopes and their design for 33 years. Scott has built his reputation as a leading envelope consultant working with and guiding masons, engineers, owners, and architects through the stages of repairing and preserving buildings, His experience has gained him the reputation for solving complicated masonry design flaws in building construction. Additional experience includes application of specialized engineered masonry products, building assessments, forensic investigations, dimensional stone detailing and anchor design, cost estimating, production management, project management, product development, and professional service sales.

Prior to starting Building Envelope Specialists, he gained experience in the architectural design field as VP of Masonry Operations for a local architectural company, designer and estimator in the structural steel industry, chief draftsman in the miscellaneous metals industry. With this experience, he has authored guidelines and procedures for the refurbishing and maintenance of masonry buildings. He has also developed a specialty in identifying design and material installation flaws. Scott has consulted on projects throughout the United States and the Caribbean.

He has also been featured in the March 2002 issue of Stone Magazine as well as recognized by a past United States president for consulting excellence.

**Building Envelope Specialists**
SPECIALIZED BUILDING CONSULTANTS

## SELECTED PROJECT EXPERIENCE

### Historic Envelope Restoration Projects:

**Lead Envelope Consultant with duties providing condition assessments, corrective designs, and PM.**

Building No1- VA Brockton, MA
Charles Moody Building, (Circa 1928) Shawmut, ME
Skowhegan Fire Station, (Circa 1930) Skowhegan, ME
Bar Harbor Fire Station, (Circa 1930) Bar Harbor, ME
Stone tower at Moody Chapel (Circa 1884), Fairfield, ME
Masonry envelope at The Turrets (Circa 1880's), Bar Harbor, ME
Masonry envelope at Eastport P.O. (Circa 1880's), Eastport, ME
Brick masonry at Bar Harbor Bank & Trust, Bar Harbor, ME
Mount Desert Rock (Circa 1840), Bar Harbor, ME
Stone tower at Moody Chapel (Circa 1884), Fairfield, ME
Twin stone towers of St. Mary's of the Assumption, Orono, ME
Masonry envelope at Rollins Chapel (Circa 1884), Hanover, NH
Masonry envelope & stone tower at Christ Church (Circa 1880), Andover, MA
Masonry envelope & stone tower at the State Street Church (Circa 1870), Portland, ME
Masonry envelope & state tower at St. Ann's Episcopal Church (Circa 1880), Kennebunkport, ME
Masonry envelope & stone tower at The Cathedral of St. Luke (Circa 1866), Portland Me
Stone tower at Sacred Heart Church, Concord, NH
Masonry envelope & stone tower at Phillips Church (Circa 1885), Exeter, NH
Brick masonry tower at Poland Spring, Preservation Park (Circa 1903), Poland, ME
Wood island Light (Circa 1800), Biddeford Pool, ME
Coles Tower, Brunswick, ME
Samuel Phillips Clock Tower, Andover MA
United States Capitol Building Plaza, Washington D.C.
Rockefeller Building (circa 1932), Winter Harbor, ME
Maine State Capitol Building, Augusta, ME
Lake County Court House, Valparaiso, IN.
Richmond Canal System (circa 1830) Richmond, VA
Fogg Memorial Building (circa 1894), Berwick, ME
Bar Harbor Bank & Trust (circa 1920), Bar Harbor, ME
Phillips Hall (circa 1923), Exeter, NH
Wheelwright Hall (circa 1928), Exeter, NH
Academy Building (circa 1855), Fryeburg, ME
Chestnut Street Church (circa 1840), Portland, ME
Union Hall (circa 1890), Philadelphia, PA
Washburn Memorial Library (circa 1920), Livermore, ME
Walker Memorial Library (1920), Westbrook, ME
Fort Jefferson (circa 1810), Key West, FL
Nobleboro Middle School (circa 1930), Nobleboro, ME
Portland Museum of Art, Portland, ME
McLellan-Sweat House, Portland, Me
City of Portland Maine, Portland, ME
Lewiston City Hall, Lewiston, ME
Oakland's Residence, (circa 1835), Gardiner, ME

Calais Free Library (circa 1892) Calais, Me
St. John the Baptist Church (circa 1933), Brunswick, ME
Reading Terminal (circa 18701), Phila, PA
Immaculata College Chapel (circa 1881), Malvern, PA
York Union Chapel (circa 1760) York, PA
Holy Cross-Chapel (circa 1850), Brunswick, ME
Winchester National Bank, (circa 1920), Winchester, MA
Bryant Park (circa 1890), New York, NY
Pineland Center Conference Center (circa 1920), Gray, ME
Farmington Public Library (circa 1925) Farmington, ME
St. Mary's by the Sea Episcopal Chapel (circa 1898), Northeast Harbor, ME
First Parish Church (circa 1700's), Portland, ME
Porter Memorial Library, Machias, ME
Powers Hall, (circa 1931) Machias,ME

**Non-Historic Envelope Projects:**
**Lead Envelope Consultant with duties providing peer reviews, condition assessments, corrective designs, and PM.**

Charleston Loft Apartments, Charleston, MA
South Maine Health Care, Biddeford, ME
Northern Maine Medical Center, Fort Kent, ME
Bridgton Hospital, Bridgton, ME
Maine Medical Center, Portland, ME
Inland Hospital, Waterville, ME
Lamont Wellness Center, Exeter, NH
Moore Psychology Building, Dartmouth College, Hanover, NH
DuPont Science Lab, Delaware, MD
Fire Station #2, Portsmouth, NH
The Strafford Schools, Strafford, NH
Dover High School, Dover, NH
The New Dinning Hall, Bates College, Lewiston, ME
Main Street Dormitories, Phillips Exeter Academy, Exeter, NH
Ewald Dormitories, Phillips Exeter Academy, Exeter, NH
Cumberland Cold Storage Building, Portland, ME
Gilman Science Facility, Dartmouth College, Hanover, NH
Central Heating Plant, Phillips Exeter Academy, Exeter NH
Conover 20 Building, St. Paul's School-Concord, NH
Lovejoy Hall, Colby College-Waterville, ME
Ipswich Federal Bank, Ipswich, MA
Bangor Public Library, Bangor, ME
Warsaw School, Pittsfield, ME
Bowdoin Science Facility, Brunswick, ME
Welcome Park, Philadelphia, PA
Pennsylvania Capital Renovation, Harrisburg, PA
Winthrop Sq., Cambridge, MA
Portland Market, Portland, ME
Philadelphia Art Museum, Philadelphia, PA

**Building Envelope Specialists**
SPECIALIZED BUILDING CONSULTANTS

**David Douglass, AIA- Maine Licensed Architect**
**V.P. of Design Services**

**Education:**
A. Bachelor of Architecture, Wentworth Institute of Technology- Boston MA.
B. Associates of Architecture Engineering, Saddle Back College- Mission Viejo, CA.

**Professional License:**
Licensed Maine Architect, Lic. # ARC3000
Licensed New Hampshire Architect, Lic # 04138
NCARB Cert. Holder
Certificate: *Masonry: Learn to do it right.* University of Wisconsin.
Certificate: *Building Envelopes and Clean Air.* Maine Air Quality.

**Experience:**
Mr. Douglass has specialized in understanding the performance of building envelopes 18 years. Throughout his career, he has specialized in understanding, designing and inspecting complicated building envelope assemblies. Within the greater New England area, he has built a solid reputation guiding contractors, facility managers, architects, engineers through the stages of analyzing, understanding, planning for, repairing and maintaining building envelopes of all types and complexity. He has a specialty in understanding the dynamics of moisture movement through various building materials and assemblies. Additionally, he is knowledgeable in the installation of roofing materials and the proposed function of each individual component and the collective assembly.

He has worked for two Maine Architecture firms before joining Building Envelope Specialists Inc. David's experience ranges from historic renovation and adaptation of buildings to housing, healthcare, retail, restaurant, commercial, business, education and industrial projects. Later he joined a firm with a larger scope of clients where he became licensed and was offered the chance to be project architect/manager on more diverse projects. David has experience in all rolls within a design office as well as building inspections and condition reports in the field.

**Awards:**

- Winner of 2008, Maine Preservation, Preservation Honor Award for the repair and restoration of St Ann's Episcopal Church.
- Winner of 2008, Maine Honor Preservation Award in the repair and restoration for the Beech Nut Hut in Rockland, Maine.
- Winner of 2011, New Hampshire Preservation Award for the repair and restoration of Academy Hall in Exeter, New Hampshire.
- Winner of 2012, Maine Preservation Honor Award for the adaptive use of the Twitchell-Chaplin Co. Building in Portland, Maine.
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- Winner of 2013, Maine Preservation Honor Award for the adaptive use of the Maine Children's Hospital in Portland, Maine.
- Winner of 2013, Maine Preservation Honor Award for the repair and restoration of Porter Memorial Library in Machias, Maine.
- Winner of 2013, Maine Preservation Honor Award for the repair and restoration of Moody Chapel Tower in Fairfield, Maine.
- Winner of 2013, Maine Preservation Honor Award for the repair and restoration of Lamb Block in Livermore Falls, Maine.
- Winner of 2013, Federal "Timmy" Award for the adaptive use of the Maine Children's Hospital in Portland, Maine.
- Winner of 2014, Maine Preservation Honor Award for the repair and restoration of The Turrets in Bar Harbor, Maine.

**Company Affiliations:**
NNECERAPPA (Northern New England Chapter Eastern Region Association of Physical Plant Administrators.)
MEHES (Maine Hospital Engineers Society)
MEREDA (Maine Real Estate Develop Association)
AIA (American Institute of Architects)
Portland Landmarks
Maine Preservation
Portland Chamber of Commerce
The Masonry Society
Masonry Institute of America
Portland Society of Architects

## SELECTED PROJECT EXPERIENCE

**Historic Envelope Restoration Projects:**

**Roofing & Envelope Consultant with duties providing condition assessments, corrective designs, and PM.**
Mill No.7, (Circa 1820), Newmarket, NH
Lincoln Mill, (Circa 1820), Biddeford, ME
Powers Hall, (Circa 1929), Machias, ME
Building No1- VA Brockton, MA
Charles Moody Building, (Circa 1928) Shawmut, ME
Bar Harbor Fire Station, (Circa 1930) Bar Harbor, ME

Moody Chapel (Circa 1884), Fairfield, ME
The Turrets (Circa 1880's), Bar Harbor, ME
Eastport P.O. (Circa 1880's), Eastport, ME
Rollins Chapel (Circa 1884), Hanover, NH
Christ Church (Circa 1880), Andover, MA
State Street Church (Circa 1870), Portland, ME
St. Ann's Episcopal Church (Circa 1880), Kennebunkport, ME
The Cathedral of St. Luke (Circa 1866), Portland Me
Phillips Church (Circa 1885), Exeter, NH
City of Portland Maine, Portland, ME

**Non-Historic Envelope Projects:**

**Roofing & Envelope Consultant with duties providing condition assessments, corrective designs, and PM.**
Charleston Loft Apartments, Charleston, MA
South Maine Health Care, Biddeford, ME
Northern Maine Medical Center, Fort Kent, ME
Bridgton Hospital, Bridgton, ME
Maine Medical Center, Portland, ME
Inland Hospital, Waterville, ME
Lamont Wellness Center, Exeter, NH
Ewald Dormitories, Phillips Exeter Academy, Exeter, NH
Cumberland Cold Storage Building, Portland, ME

**Building Envelope Specialists**
SPECIALIZED BUILDING CONSULTANTS

University of Penn. Art Center, Philadelphia, PA
1600 Market Street, Philadelphia, PA
University of New England Science Lab,
Biddeford, ME Nabisco Headquarters, Fairlawn, NJ

# CARPENTER ASSOCIATES

Consulting Engineers


| | |
|---|---|
| **Firm Name:** | **Carpenter Associates** |
| **Principal of Firm:** | Randy T. Bragg, P.E., Owner |
| **Firm Address:** | 687 Stillwater Avenue, Old Town, ME 04468 |
| **Firm Tel. No.:** | (207) 827-8001 • Fax (207) 827-8234 |
| **E-Mail:** | info@carpenterassoc.com |


**Typical Services Offered:**

Facility Assessments
Feasibility Studies
Energy Use Analysis
Third Party Inspections
Life Cycle Cost Analysis
Owner's Representative
Heat Systems and Conversions
HVAC and Plumbing Design
Electrical Design / Backup Power
Facility Rehabilitation Projects

**Policy:**

Carpenter Associates has been providing engineering services since 1969. The firm's expertise is in the areas of full facility engineering for a diversified number of clients ranging from Architects, Cities, Towns, School Departments, Housing, and the Private Sector.

Carpenter Associates performs a wide variety of services on projects throughout the State of Maine. Projects range from very small site review projects to large new complex construction or renovation projects. The firm provides design services, development of plans and specifications for a public bidding process, contract award, and construction management to successfully complete each project within budget.

Carpenter Associates prides itself in not only the quality of our design services, but also in the one-on-one direct contact every client receives. The firm encourages the client to participate in the development process of the project with as much input as possible giving special attention to areas of initial cost and future maintenance.

Carpenter Associates, for more than forty years, has provided high-quality engineering service to the Building Industry. Primarily M/E/P engineers, we understand our attention to detail has the most impact regarding the sustainability and efficiency of all energy systems. Our engineers continuously research new technologies and equipment. Our sustainable design attitude ensures that waste and energy usage is minimized over the life of the project. Carpenter Associates' expertise also provides construction management services and/or commissioning to ensure all equipment components are operating as efficiently as intended, including completion of Owner training for maximum continued performance.

## CARPENTER ASSOCIATES

## SIMILAR PROJECTS

| CLIENT | PROJECT | LOCATION |
|---|---|---|
| Bangor, City of | BIA DAB Electrical Study | Bangor |
| Bangor Target Area Development Corp. | Target Center Assessment | Orono |
| Brewer School Department | Fuel Conversion Assessment 3 Schools | Brewer |
| Bureau of General Services | Downeast Correctional Facility Heat Study | Machiasport |
| Bureau of General Services | Energy Assessments Paint Warehouse/Sign Shop | Augusta |
| CES, Inc | Alternative Energy Getty Residence | Marion |
| Design Group Collaborative | Treats Falls Mechanical/Electrical Assessment | Orono |
| Dorothea Dix Psychiatric Center | EPA Boiler Energy Assessment | Bangor |
| Fulmer Associates | Bangor Public Library HVAC Assessment | Bangor |
| Health Care Center | HVAC Assessment Entire Building | Princeton |
| Penobscot Nation | Energy Reduction Project | Indian Island |

# CARPENTER ASSOCIATES
## Consulting Engineers

**PERSONAL HISTORY - EXPERIENCE**

**RANDY BRAGG, P.E.**

**Professional Engineer Registration**

State of Maine #7278
State of Connecticut #26634
State of New Hampshire #13039
State of Vermont #9252

**Education**

- M.E. Mechanical Engineering, University of Maine, 1994
- B.S. Mechanical Engineering, University of Maine, 1987

**Licenses**

Fire Protection Engineer - State of Maine
Responsible Managing Supervisor #734
Fire Sprinkler Inspector #735

**Awards/Certifications**

2010 AGC Build Maine Award—Municipal Division

MUBEC Inspection - Third Party #4
Commercial Building Code
Commercial Energy Code
Indoor Commercial Ventilation Code
Residential Building Code
Indoor Residential Ventilation Code

**Organizations**

American Consulting Engineers Council State Director (ACEC)
Member American Society of Mechanical Engineers (ASME)
Member American Society of Civil Engineers (ASCE)
Member American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE)
Member Maine Qualification Based Selection Council Co-Chair (QBS)
LEED New Construction & Major Renovation Training

**Qualifications Summary**

Consulting Engineering design development and analysis, experience with proposals for engineering services, cost alternative analysis, feasibility assessments, design and analysis, contract documents, construction drawings, technical specifications, and construction administration. Familiar with various software, such as MSProject, AutoCad, MDSolids, ALGOR, MathCad, HydroCAD, as well as advanced education in fluid mechanics, heat transfer, energy theories, solid mechanics, vibrations, strength of materials, theory of plates and shells, and finite element methods.

## Work Experience

**Professional Engineer/Owner:** *(2003-Present)*
*Carpenter Associates, Old Town, ME*
Ownership responsibility for company projects with a wide variety of building projects including structural and mechanical systems. We continue to provide full engineering services on an ongoing basis to the City of Old Town, the City of Bangor, and the Bangor School Department as well as other municipalities and school systems. We typically provide inspection services on most projects and act as Owner's Representative on larger projects. Projects include a wide variety of local, state, and federal funds utilizing the latest building, energy, and land use codes. Land use, such as planning, permitting, design of subdivisions, site, roadway and utility design, and storm water management plans are also within our expertise.

**Professional Engineer** *(2001-2003)*
*Apex Engineering and Technologies, Inc., Levant, ME*
Responsible for research and development, analysis and design of Mechanical engineering projects including experimental testing.

Laser Welding Test Platform – Design/Build
Dimensional and Accuracy Control Automation – Plate Edge
Webber Propane Truck Bumper Analysis and Design

**Mechanical Engineer II** *(2000-2003)*
*University of Maine, Department of Industrial Cooperation, Orono, ME*
Responsible for management, design/analysis and testing of composites and hybrid connections for Navy applications for the Office of Naval Research projects, as well as other private research projects.

Modular Advanced Hull Forms
Advanced Hull Form Inshore Demonstrator
Foam Panel Testing

**Instructor** *(1999)*
*Instructor at University of Maine, Orono, for the College of Engineering Technology, Mechanical Engineering Technology Department., Thermodynamics.*

**Project Manager/Senior Engineer** *(1989-2000)*
*James W. Sewall Company, Old Town, ME*
Responsible for management and design of Mechanical/Civil engineering projects including proposal writing to project scheduling; budget cost to design development and analysis; and quality checks to field inspections, testing and record documents.

**Junior Project Engineer** *(1987-1989)*
*Aroostook Engineers, Inc., Presque Isle, ME*
Responsible for design of mechanical systems, construction drawings, technical specifications, and field inspection.

# CARPENTER ASSOCIATES
## Consulting Engineers

**HISTORY - EXPERIENCE**

**ALISSA SMITH, P.E.**

**Education**

**Licensed Professional Engineer** - ME #13450 & IL #062065168
**LEED Accredited Professional** - December 2008
U.S. Green Building Council
**Iowa State University of Science and Technology**
Ames, Iowa Bachelor of Science in Mechanical Engineering - May 2008
Emphasis in HVAC

**Work Experience**

**Carpenter Associates, Consulting Engineers – Professional Engineer 2013 - Present**
Mechanical Engineering for a wide range of new and renovated residential, municipal and commercial projects generally listed as follows:

- HVAC systems analysis and design.
- Plumbing systems analysis and design.
- Fire protection and alarm systems analysis, design and review.
- Construction monitoring.
- Development of plans and specifications.
- Use ReVit MEPand AutoCad for developing system plans and details.

**CCJM - Mechanical Engineer**
Acquired Holabird & Root MEP Chicago, IL February 2013—June 2013

**Holabird & Root, LLC - HVAC Engineer in Training**
Rochester, MN June 2008—March 2009
Chicago, IL March 2009—March 2013

Responsibilities/Skills:

- Sized Ductwork, Piping, & Equipment for Mechanical and Plumbing systems.
- Developed Revit MEP standards, built libraries, & produced the office's first few projects using the software.
- Used TRACE to model building loads & energy consumption.
- Used ASHRAE standards to calculate outdoor air and exhaust requirements.
- Used applicable codes to determine plumbing and mechanical requirements.
- Documented LEED credit requirements onto the USGBC website.
- Coordinated layouts with Architecture staff.
- Attended seminars for continuing education in the HVAC industry.
- Mentored 4 incoming graduates and interns.

***Bobcat Company—Quality Control Co-Op***
Bismarck, ND Spring/Summer 2006

Responsibilities/Skills:

- Determined daily Scrap or Vendor Defect Parts & submitted them for credit from suppliers.
- Audited excavators by driving and visual inspection
- Inspected in-house parts and suggest solutions for quality improvement.

# CARPENTER ASSOCIATES
## Consulting Engineers

**HISTORY - EXPERIENCE**

**RYAN KEEZER**

**Education**

- University of Maine, Bachelor's Degree, Mechanical Engineering Technology
- Engineer in Training (E.I.T.)
- Eastern Maine Community College, Associates Degree, Drafting/Design Engineering
- Eastern Maine Technical College, Computer Repair
- United Technology Center, Real Estate Certificate

**Qualifications Summary**

Engineering Technician offering experience in HVAC Design, HVAC Building Automation Systems, Controls and Commissioning, Project Management, Design and Drafting Projects, with over 10 years of Construction experience. Experienced in AutoCAD, Microstation, Autodesk, Revit, Soildworks, Solidedge, Surfcam, CNC10, Labview, VisualBasic, as well as all Microsoft Office.

**Work Experience**

**Carpenter Associates, Consulting Engineers, (2014-Present)**
Mechanical, Electrical, and Civil Engineering for a wide range of residential, municipal and commercial projects generally listed as follows:

- HVAC systems analysis, design and review.
- Plumbing systems analysis, design and review.
- Electrical systems analysis, design and review.
- Construction monitoring.
- Development of plans and specifications.

**Honeywell, Field Specialist (2012-2014)**
HVAC Control System installation and related activities in a commercial construction and/or retrofit environment. Performed HVAC testing and start up across a wide range of electrical and mechanical Systems. Provided technical knowledge and support of automation/integration solutions. Also, performed quality control, job site safety, and equipment commissioning.

**Nyle Systems, Design Engineer (2011)**
Designed and tested products for optimal performance, contributed to product improvement projects, identified vendors of critical components, material acquisition, and bill of materials. Also, was project manager on new project development and product improvements.

**Milton Caterpillar, Field and Power Systems Co-Op Engineer (2010)**
Troubleshot engine/hydraulic complaints, research systems using blue prints, scheduled technicians for daily jobs, sourced parts and scheduled delivery of service/parts.

**Community Involvement/Interests**

- International Certified Tae Kwon Do Coach and Referee
- Bangor YMCA, Director, Teacher of three divisions of Martial Arts..
- Martial You, Member on Board of Directors
- YMCA, Volunteered hundreds of hours assisting instructors and students of all ages. Designed and performed many talents shows, tournaments, and assisted in fairs.
- Bangor Baptist Church, Member of Security Team

# CARPENTER ASSOCIATES
## Consulting Engineers

**HISTORY - EXPERIENCE**

**BRIAN NIELSEN**

**Education**

**B.S. Mechanical Engineering** University of Maine, Orono, Maine—2012
- Fundamentals of Engineering Exam (EIT Certification)
- Relevant Training: Advanced Thermodynamics, Fluid Structure Interaction, Machine Design, Advanced Fluid Mechanics, Aeronautics, Flight Dynamics, Control Systems, Vibrations, Materials Science, Heat Transfer, Finite Element Methods

**Specialized Skills**

- Designing Biological Material Mechanics Experiments
- Specialized Computer Skills( Microsoft Office, FORTRAN, MATLAB, VBA, C#)
- CAD Skills (Solidworks and AutoCAD)
- Machining (MIG Welding, Milling)
- Fiberglass Construction

**Work Experience**

**Carpenter Associates, Consulting Engineers - Engineer, 2013 - Present**
Mechanical, Electrical, and Civil Engineering for a wide range of residential, municipal and commercial projects generally listed as follows:

- Heating, Ventilation and Air Conditioning systems design including chillers, air handlers, energy recovery units
- Plumbing systems design including grease traps and building sanitary systems
- Basic Electrical systems analysis, design and review.
- Construction monitoring.
- Development of plans and specifications.

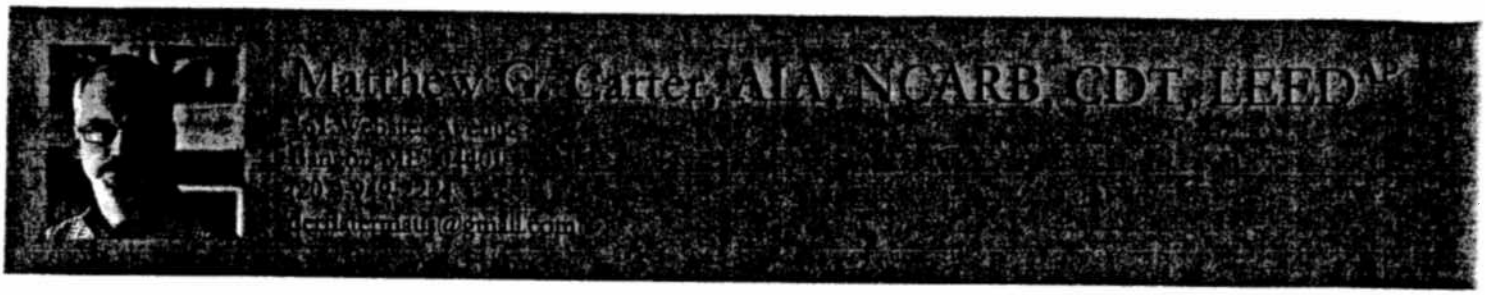
**Manufacturing Engineer** (2012 - 2013)
United Technologies Corporation, Pittsfield, Maine

**Biomimetic Remotely Operated Vehicle (2011-2012)**
Senior Capstone Project: Underwater Robotics, University of Maine, Orono

**Student Researcher** (2010-2012)
Tissue Engineering Lab: Biological Material Mechanical Engineering, University of Maine, Orono, Maine

**Outside Interests**

York Center for Wildlife, Cape Neddick, Maine (2005-2008)
Engineers Without Borders (2014)
Martial Arts (2002-Current)




# Education

**Carnegie-Mellon University,** Pittsburgh, PA
Bachelor of Architecture, 1990
Graduated with University Honors

# Experience

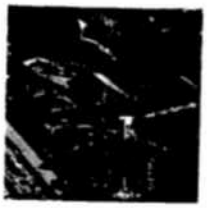
**Carter Architectural Design LLC,** Bangor, Maine..... 2015
*Principal:* Leader of a new architectural design and consultancy firm specializing in civic architecture, institutional design, historic preservation, residences and liturgical design.

**WBRC Architects/Engineers,** Bangor, Maine ..... 2002 to 2014
*Associate/Senior Architect/Project Manager:* Managed, designed and delivered civic facilities including churches, libraries, public safety buildings, housing and offices, with a concentration on renovation and rehabilitation projects. Participated in all phases of the project delivery process, including facilities surveys, code studies, schematic design, design development, construction documents, specification writing, bidding and construction administration. Responded to RFP requests and interviewed with potential clients to win work for our firm.

**Noelker and Hull Associates, Architects**, Chambersburg, Pennsylvania..... 1996 to 2002
*Principal Architect/Treasurer:* Participated in the greatest growth period in the firm's sixty year history as it expanded to over fifty employees. Specialized in civic architecture projects and religious commissions. Generated work for the firm by participating in interviews, writing marketing materials, responding to RFPs and managing clients.

**Bargainier·Davis·Sims Architects,** Montgomery, Alabama ..... 1994 to1996
*Registered Architect/Project Manager:* Completed requirements for professional registration while managing and designing educational, museum, residential and government projects. Worked at all levels of the building delivery process, producing schematic designs, code searches, working documents and CAD drawings. Experienced project scales ranging from individual residences to a $40 million Federal Courthouse Facility.

**Noelker and Hull Associates, Architects,** Chambersburg, Pennsylvania ..... 1992 to 1994
*Project Manager/Intern:* Managed all phases of building design projects as an apprentice at a fifteen person architectural firm. Met with clients, performed feasibility studies, developed and refined schematic designs, assembled working drawings, assisted in the bidding process and observed and advised contractors regarding the construction of buildings in the field.



# Projects

**Ellsworth Public Library,** Ellsworth, Maine ..... 2014
*Concept Design:* Project Designer - Plan to double the program area of an historic community library. Project included addition and renovation space. Provided exhibits to raise funds for the project.

**Jesup Memorial Library,** Bar Harbor, Maine ..... 2013
*Concept Design:* Project Designer - Project included review of property suitability, as well as a plan to double the program area of Bar Harbor's historic Jesup Memorial Library. Provided exhibits to raise funds for the project.

**Our Lady of Angels Catholic Church,** South Berwick, Maine ..... 2012
*New Building:* Designer and Architect of Record - 350-seat church commissioned by the Diocese of Portland to merge two neighboring parishes.

**Brewer Public Safety Building,** Brewer, Maine ..... 2009
*New Building:* Designer and Architect of Record - 27,000 SF building to house City of Brewer police and fire departments including all vehicles and apparatus.

**Immaculate Conception Parish,** Calais, Maine ..... 2008
*New Building:* Designer and Architect of Record - 17,600 SF church and parish center constructed on the foundations of an existing church that was destroyed in a fire.

**Shawn Walsh Hockey Center,** University of Maine, Orono Campus ..... 2007
*Renovation and Addition:* Designer and Architect of Record - Addition and expansion to Maine Black Bears hockey clubhouse at Alfond Arena.

**Bangor Waterworks Redevelopment,** Bangor, Maine ..... 2007
*Renovation:* Designer and Architect of Record - Converted historic Bangor Waterworks facility into 35 units of low-income section 8 housing for Shaw House, a home for endangered youth.

**Bangor Police Station,** Bangor, Maine ..... 2007
*New Building:* Designer and Architect of Record - 3 story, 42,000 SF office and garage facility built to house the City of Bangor's police department and 911 call facility.

**Pennsylvania State University Chapel and Bell Tower,** Erie, Pennsylvania ..... 2000
*New Building:* Project Designer - Interdenominational chapel and carillon bell tower for use by PSU students, faculty and alumnae.

**Noelker and Hull Associates Offices,** Chambersburg, Pennsylvania ..... 1995
*Renovation/Addition:* Project Designer - Converted a small furniture warehouse into a 3 story office for our growing architectural firm.

**Holy Family Catholic Community,** Middletown, Maryland ..... 1996
*New Building:* Project Designer - New church and parish center for a growing central Maryland Catholic parish church.

**Trumbauersville Elementary School,** Trumbauersville, Pennsylvania ..... 1996
*New Building:* Project Designer and Architect of Record - New K through 6 school facility, designed for team teaching and collaborative learning.

# Honors

**Design Awards and Publications (by Project)**
Bangor Waterworks Redevelopment
- *Maine Preservation Honor Award*

Holy Family Catholic Community, Middletown, Maryland
- *Faith and Form Religious Art and Architecture Award*
- *Environment and Art Letter*
- *Concrete Masonry Designs*

Noelker and Hull Offices, Chambersburg, Pennsylvania
- *AIA Central Pennsylvania Design Merit Award*
- *Metal Architecture Magazine Honorable Mention, Renovations*
- *CADC Property Improvement Award*

# Registrations and Associations

**Current Registrations:**
NCARB Certified ..... NCARB since 1996
Certificate Number: 47142
Record Number: 60137

Maine ..... Registered since 2002
License Number: ARC2867

Massachusetts ..... Registered since 2015
License Number: 32240
Serial Number: 425590

**Past Registrations**
Pennsylvania ..... 1996 to 2002
Registration Number: RA-014892-B

Maryland ..... 1998 to 2002
Registration Number: 11125

Ohio ..... 2001-2003
Registration Number: A-01-12864

Alabama ..... 1994 to 1997
Registration Number: 4298

**Community Service**
ACE Mentoring ..... Participation since 2010
A professional mentoring program to support youth interest in the construction professions (Architecture, Contracting and Engineering). Served as mentor and Board Secretary.

**Professional Associations**
American Institute of Architects ..... AIA since 1995
Construction Specifications Institute ..... CSI since 2015
LEED Accredited Professional ..... LEED$^{AP}$ since 2005

Portfolio and references available on request.