
Section H

Evidence of Technical Capacity



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Please refer to the attached resumes of the design team as follows:

Construction Project Manager – Marc Bourgeois, CDT

Wright-Ryan Construction, Inc.

Civil/Site Engineer - William H. Savage, P.E.,

Acorn Engineering, Inc.

Architect – Evan A. Carroll, A.I.A., LEED A.P., Maine Licensed Architect

Bild Architecture





Experience

Wright-Ryan Construction, Inc., *Manager of Select Projects*

After joining Wright-Ryan in 2003 as a lead carpenter, Marc was promoted to Assistant Superintendent where he supported senior Superintendents on large commercial projects. In 2006 Marc was promoted to Superintendent, beginning an eight-year tenure managing a wide range of complex and historic restoration projects, many of which involved funding through National Park Service historic tax credits. Marc also managed projects with the University of Maine system, the University of New England, Maine College of Art and various other commercial partners. Marc's promotion to General Superintendent in 2014 added managing a commercial Superintendent team of 13 to his responsibilities. In 2016, Marc also assumed the management of the Select Projects Group. This team focuses on mostly occupied and very technical projects such as medical, museum and historic renovations.

“ Marc managed the work of this magnitude and complexity on a historic structure with a degree of skill & knowledge that is unsurpassed in my 40 years of practicing architecture.”

- Richard K. Reed, RA, LEED AP
 Knox Hotel Apartments

As Manager of Select Projects

- **Maine College of Art, Portland** - Marc has been the Project Executive for many Maine College of Art (MECA) updates. These include updates to the Bob Crewe Recording Studio, roof repairs, and renovations to the SALT program space.
- **Portland Museum of Art, Portland** - Marc and the Select Projects team recently completed an art study room for viewing the museum's collections, a renovated front entryway, and the new David E. Shaw and Family Sculpture Park.

As General Superintendent

- **3S Artspace, Portsmouth, NH** - Conversion of an existing mixed commercial/industrial building in Portsmouth, NH into a community arts space. The finished project now features three distinctive spaces dedicated to various forms of art - a gallery for visual art, a stage and theater for performance art, and a restaurant for the culinary arts.
- **Waynflete Lower School, Portland** - \$8.2 million, 33,000 square foot new structure. Built to Passive House standards, the environmentally friendly structure will provide Waynflete students with a new library/media center, expanded art studio, and dedicated spaces for research and exploration. The project is currently being built on an occupied campus in an urban area.
- **Village Centre Apartments, Brewer** - Home to 48 units of workforce housing and 54,886 square feet, Village Centre is one of the largest Passive House certified buildings in North America. The project was designed and built to passive house standards while achieving aggressive square footage cost goals to meet Maine State Housing Authority budget standards.
- **Bayside Anchor, Portland** - 38,760 square foot, 45-unit multi-family complex on the Portland peninsula. The building was designed and built according to Passive House standards to maximize energy efficiency and improve indoor air quality, while also helping promote a quiet living environment.

EDUCATION

- Southern Maine Community College - Architectural Drafting/Engineering
- University of Southern Maine - Construction Management

PROFESSIONAL DEVELOPMENT

- LEED Accredited Professional
- Construction Specifications Institute - Construction Documents Technologist
- ASHE Healthcare Construction Certificate
- Lead Paint RRP-Certified Renovator
- USCG 100-Ton Master Captain's License, with Commercial Towing Endorsement
- OSHA 30-Hour Safety Certifier
- CPR & First Aid Certified

AFFILIATIONS

- Wright-Ryan Safety Committee, *Chair*



BUILDING MAINE'S GREAT SPACES

William H. Savage, PE, CPESC



ACORN Engineering, Inc.

wsavage@acorn-engineering.com
158 Danforth St, Portland, ME 04102
C: 207.317.1884
B: 207.775.2655

Engineering Experience:

President, Acorn Engineering, Inc.

October 2007 - Present

- ⌚ Professional Engineer with technical and business development responsibilities at Acorn Engineering; providing urban redevelopment, civil/site design, construction administration and municipal consulting with a focus on the construction of marine and rail facilities, restoration of urban impaired watersheds, stormwater design & retrofits, low impact development (LID), and environmental stewardship.
- ⌚ Review project drawings, permit applications, stormwater reports, erosion and sedimentation control reports, construction inspections for residential, commercial, municipal and industrial developments.
- ⌚ Prepare proposals, interact with the client, state and local agencies, and engage with project stakeholders to deliver a successful project.

Projects – a partial list of representative projects include:

- Stroudwater Preserve – Stroudwater Development Partners, LLC – Portland
- Stormwater Improvements - La Quinta – Portland
- Third Party Engineering Peer Review – Town of Kennebunkport, Maine
- Washington Ave Parking Lot Redevelopment – CSH 123, LLC – Portland
- 667 Congress St – Redfern Properties, LLC
- Intermodal Site & Stormwater Infrastructure Redevelopment - Eldredge Lumber & Hardware, Inc.
- 161 York Street - Harborview Townhomes – Portland – Redfern Properties, LLC
- Munjoy Heights – Redfern Munjoy, LLC
- East Bayside Lofts – Redfern Properties, LLC
- 70 Anderson Street Redevelopment- Redfern Properties, LLC - Portland
- Skateboard Park Design - Town of Bowdoinham
- Monmouth Grange Hall Rehabilitation – The Theater at Monmouth, LLC
- Blue Heron Lane NRPA Permitting, Kennebunkport Maine – John P. Spottiswoode
- Cushing Island Pier/Breakwater Assessment – Cushing Island Associates
- Third Party Construction Inspection – Town of Kennebunkport, Maine
- 2017 - 2016 Portland International Marine Terminal Expansion – Portland – MaineDOT
- Cottage Brook Construction Administration – Spurwink Woods, LLC

Assistant District Engineer, Cumberland County Soil & Water Conservation District

July 2010 - Present

Watershed wide Operation & Maintenance Plan Development - Long Creek Restoration Project

- ⌚ Contracted through Cumberland County Soil & Water Conservation District for the Long Creek Watershed Management District development of a “user friendly” site specific Operation & Maintenance Plan. The O&M Plans were designed to define the inspection, record keeping, and maintenance requirements of the Long Creek Watershed Management Plan. Each O&M Plan was individually tailored to each parcel’s stormwater infrastructure, site characteristics, business operations, and their respective opportunities and limitations related to reducing the pollutant load on the urban impaired stream.

Roadway Stormwater BMP O&M Plan Development – Long Creek Restoration Project

- ⌚ The project included locating the stormwater BMPs and visible drainage infrastructure throughout the Long Creek watershed within the City of South Portland, as well as providing information pertaining to the maintenance needs of each BMP. From the data collection, Acorn Engineering compiled the information into site specific operation and maintenance plans.
- ⌚ The final deliverables include ArcGIS v.10-generated site specific site plans and the operation and maintenance matrix that will offer user-friendly maintenance guidance for each type of BMP, as well as a summary sheet.

Project Engineer, Gorrill Palmer Consulting Engineers, Inc.

August 2003 – September 2007

- ⌚ Assisted with the design and permitting for numerous private developments ranging in size from house lots to retail developments with over 500,000 sf of leasable area.
- ⌚ Worked on a diverse mixture of municipal work including stormwater and sewer conveyance system design, stormwater management, erosion and sedimentation control plans, environmental permitting and design.

Field Office Engineer, HNTB Corporation

Seasonal February 2002 – August 2003

- ⌚ Contracted through HNTB Corp. for the Maine Turnpike Authority's - \$135 million modernization and widening
- ⌚ Field Office Engineer/Inspector for the northern section of the widening and various bridges. Responsibilities included erosion control and stormwater compliance inspections, project documentation, reviewing inspection reports, shop drawings, and extra work orders; planning and documentation of weekly project meetings, weekly safety meetings; and preparing monthly estimate payments.

Education:

Union College, Schenectady, NY B.S. Civil Engineering,	December 2001
Czech Technical University, Prague, Czech Republic	Fall 2001
Union College Water Resource Program, Sao Paulo, Brazil	December 2000

License: Maine Professional Engineering License #11419

Member: American Society of Civil Engineers (ASCE)
American Council of Engineering Companies (ACEC)
American Railway Engineering and Maintenance-of-Way Association (AREMA)
Maine Rail Group
New England Railroad Club
Portland Society of Architects
GrowSmart Maine
Maine Water Environment Association (MEWEA)

Committees/Awards:

- ⌚ Long Creek Watershed Restoration - Models & Outreach/Technical Advisory Committee, April 2008 – April 2009
- ⌚ 2017 & 2015 Maine Stormwater Conference – Planning Committee October 2014 – November 2017
- ⌚ Long Creek Watershed Management District - Technical Advisory Committee – Sept. 2016 – Present
- ⌚ *Contractor of the Year* - The Cumberland County Soil & Water Conservation District recognized Acorn Engineering, Inc. as Contractor of the Year for its involvement with the Long Creek Restoration Project. This is the first time the District has recognized an engineering firm as the recipient for this award.

Certifications:

- ⌚ New England Transportation Technician Certification Program (NETTCP)
- ⌚ Nuclear Gauge Certification
- ⌚ Hot Mix Asphalt Paving Inspector Certification Cert #1993
- ⌚ Maine DEP - Certified in Maintenance & Inspection of Stormwater BMP's Cert #14
- ⌚ Certified Professional in Erosion and Sediment Control (CPESC) Cert. #4620
- ⌚ Certified Erosion, Sediment and Storm Water Inspector (CESSWI) Cert #0293
- ⌚ Locally Administered Project (LAP) - MaineDOT
- ⌚ MaineDOT Construction Training – Certificate of Completion – 2012-2017
- ⌚ OSHA 10-Hour Construction Training

Evan A. Carroll, AIA, LEED AP BD+C Principal Architect

Evan takes a person-centered approach to architectural design and to living, such that the two have become inseparable from each other and from his personality. Evan's interest in affordable housing design has led him to serve on the Board of Commissioners for the Portland Housing Authority. His focus on design for aging started with personal family events and led to a ten-day stay living as a resident in the memory unit of a nursing home. Evan's focus on sustainability and quality of life is illustrated by choosing to own a home within walking distance of the office.

Evan does not see his projects as a manifestation of his efforts, rather as embodiment of the needs of his clients and his client's communities. In the design process, Evan most enjoys the early conversations with clients that bring to light the values, desires and needs that will guide the project.

Briefly mentioned above, Evan's stay as a resident in a nursing home gives Evan a unique perspective on design priorities. In the role of "patient" Evan was able to observe how residents, staff and management all interact with the built environment. Evan uses this experience as a reminder that the success of any building is dependant on the inhabitants.

Evan received his formal architectural education from Roger Williams University where his professors emphasized creativity within a practical framework. Evan has continued his passion for learning in many less formal ways including: serving on the Westbrook Planning Board, facilitating industry discussions, and involvement in his local neighborhood organization. For Evan, learning new skills is a lifelong experience.

Highlight Projects:

Munjoy Street Public Private Partnership, 2017
Salvation Army ARC Dining Hall Addition, 2017
Wicked Joe, Manufacturing Plant Expansion, 2017
Northern Maine General, Masterplan, 2017
Maine Nephrology, Office Renovation, 2016
Poland Spring Offices, 2015
Elston Dental, 2015
Marquis Lofts, Portland, 2014
Bedside Manor East, Alzheimer's Care Home, 2014
Standish Public Works Addition, 2013
Blackstone Valley Ice Arena, 2013



Professional Registration:
Maine Licensed Architect #3687

Relevant Trainings:
ADA Standards for Accessible Design

Volunteer Commitments:
Portland Housing Authority, Board Vice President
Portland Society for Architecture, Board Member
Regular Blood Donor since 2000

Professional Affiliations:
Eden Alternative Associate
American Institute of Architects, Maine
USGBC, LEED Accredited Professional
National Council of Architectural Registration Boards

Awards and Merits:
Unbuilt Architecture Awards, First Place 2009

Education:
Bachelor of Architecture
Roger Williams University, 2006 Valedictorian

RWU Semester Abroad in Italy Program
Florence Italy 2004

