

# **TOWN OF SIMSBURY**

**DEPARTMENT OF PUBLIC WORKS  
933 HOPMEADOW STREET  
SIMSBURY, CT 06070**

## **INVITATION TO BID**

**FOR**

**EXTERIOR PAINTING AND PRESSURE WASHING**

**FOR**

**ENO MEMORIAL HALL**

**754 HOPMEADOW ST., SIMSBURY**

The Town of Simsbury is soliciting bids for exterior painting and pressure washing services for Eno Memorial Hall at 754 Hopmeadow Street, Simsbury. The scope of work is to include furnishing all labor, materials, equipment necessary for exterior painting of wood and metal surfaces, pressure washing of masonry, and potentially the replacement of miscellaneous wood trim.

Sealed proposals will be accepted by Kevin Kane, Director of Finance, 933 Hopmeadow Street (Rt. 10/202), Simsbury, CT until 10:00 am, Tuesday, July 6, 2010.

**PROJECT MANUAL**  
**For**  
**EXTERIOR PAINTING**  
**ENO MEMORIAL HALL**  
**Simsbury, CT**

Simsbury Department of Public Works  
933 Hopmeadow St.  
PO Box 495  
Simsbury, Connecticut  
860-658-3222

Specifications Provided By:  
Oakpark Architects, LLC

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General Conditions (AIA Document A201)

BF/1-5  
38 pages

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BID FORM  
FOR  
EXTERIOR PAINTING  
ENO MEMORIAL HALL

To: Purchasing  
Town of Simsbury  
Town Hall  
Simsbury, Connecticut

Bid of:

\_\_\_\_\_  
(Name of Company)

The Bidder, in compliance with your invitation for Bids for **Exterior Painting for Eno Memorial Hall, 754 Hopmeadow Street, Simsbury, Connecticut 06070**, has examined the specifications with related documents and the sites for the proposed work, and being familiar with the conditions surrounding the construction of the proposed work, including availability of materials and labor, hereby proposes to furnish all labor and materials in accordance with the Contract Documents within the time limit herein specified and at the prices stated below.

I have received the following addenda:

Addendum # \_\_\_\_\_ Date \_\_\_\_\_  
Addendum # \_\_\_\_\_ Date \_\_\_\_\_  
Addendum # \_\_\_\_\_ Date \_\_\_\_\_

These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this proposal is a part.

**BASE BID:**

For the work of the **Exterior painting for Eno Memorial Hall**, complete including all labor, materials, services, and equipment necessary for the completion of the Work the sum of:

TOTAL BASE BID PRICE

\_\_\_\_\_ Dollars (\$) )

**ADD ALTERNATES:**

If accepted by the owner the following work and cost will be added to the project and the base bid amount stated above.

ADD ALTERNATE NO 1.  
Power Wash

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_ )

**COMPLETION:**

The Contractor will complete the base bid work within

\_\_\_\_\_ calendar days after receipt of Notice to Proceed and/or Purchase Order.

The Contractor will complete the base bid work and the Add Alternate work within

\_\_\_\_\_ calendar days after receipt of Notice to Proceed and/or Purchase Order.

**CONTRACTORS ORGANIZATION AND LIST OF SUBCONTRACTORS:**

Provide an organization chart of your company, listing key personnel and their responsibilities on this project. Attach resumes of the project manager and field superintendent to be assigned to this project. Include their present assignment within your organization and their responsibilities on this project. Mandatory List of Sub Contractors (attach separate sheet indicating name, address and phone #) to be used for the following trades; or indicate by GC if with own forces. **One Sub Contractor per discipline only.**

TRADE	PRICE
painting	
caulking	
power wash	

I understand that the Owner reserves the right to reject this Bid, but that this Bid shall remain open and shall not be withdrawn for a period of sixty (60) days after the date prescribed for its opening.

If written notice of the acceptance of this bid is mailed or personally delivered to the undersigned within sixty (60) days after the date set for the opening of this bid, or at any time thereafter before it is withdrawn, the undersigned Bidder will execute and deliver the Contract Documents to the Owner in accordance with this bid as accepted and will also furnish and deliver, to the Owner, all required Performance and Labor and Materials Payment Bonds and proof of insurance coverage required, all within fifteen (15) days after personal delivery of or deposit in the mail of a notification of acceptance of this Bid.

Name of Bidder:

Signed by:

Title:

Mailing Address:

State of ( )  
County of ( ) Ss.  
( )

On this \_\_\_\_\_ day of \_\_\_\_\_  
personally appeared before me

(\* \_\_\_\_\_ )  
Name of Person Signing

(\*\* \_\_\_\_\_ )  
Title of \_\_\_\_\_  
Name of Bidder

Signed of the foregoing bid and acknowledged the same to be his free act and deed\*\*  
(as such officer and the free act and deed of said corporation)

\_\_\_\_\_  
Notary Public

- The bid must be signed by the Bidder if the Bidder is an individual; by one of the partners, if a partnership, by an authorized officer if a corporation. The person signing must state the capacity in which he signs at the place indicated.

\*\* If the Bidder is a corporation the blanks enclosed in parenthesis in the acknowledgment shall be filled with the name of the corporation, corporate seal, and the title of the person signing. If the Bidder is an individual or partnership the parenthesis should be disregarded.

## CONTRACTOR'S QUALIFICATION STATEMENT

Submitted by: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Corporation: \_\_\_\_\_

Partnership: \_\_\_\_\_

Individual: \_\_\_\_\_

Joint Venture: \_\_\_\_\_

Others: \_\_\_\_\_

Number of years doing business as a General Construction Contractor: \_\_\_\_\_

List other names under which organization has operated:

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

If corporation, answer the following:

Date Incorporated: \_\_\_\_\_

State of Incorporation: \_\_\_\_\_

President's Name (s): \_\_\_\_\_

Vice-president's Name (s): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

If an individual or a partnership, answer the following:

Date of organization: \_\_\_\_\_

Name and address of all partners (state whether general or limited partners);

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

If other than a corporation or partnership, describe organization and name principals:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



We normally perform the following work with our own forces:

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Have you ever failed to complete any work awarded to your? If so, please note, When?, Where?, and Why?

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Within the last five years, has any officer or partner of your organization ever been an officer or partner of another organization when it failed to complete a contract? If so, attach a separate sheet of explanation.

List five projects of similar size, dollar value, and type, completed in the last five years. Include telephone number and name of (owner) contact person involved in project (they will be contacted).

1. 

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2. 

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3. 

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4. 

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5. 

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List Trade References:

List Bank References:

PART 1 - GENERAL

RELATED DOCUMENTS

Drawings and general provisions of contract, including General and Supplementary General Conditions and Division-1 Specification sections, apply to work of this section.

1.01 SECTION INCLUDES

- A. Contractor's qualifications.
- B. Scope of the Work.
- C. Allowances.
- D. Alternate bids pricing.
- D. Contractor use of site and premises.
- E. Work Sequence.
- F. Owner occupancy.
- G. Owner use of contractor's scaffolding.

1.02 CONTRACTOR'S QUALIFICATIONS

- A. The contractor and his subcontractors must be in business for a minimum of five years of good standing.
- B. The contractor and his subcontractors must have completed at least 5 projects of similar size and scope.
- C. Provide references for the last three projects of similar size and scope. See Bid form.

1.03 SCOPE OF THE WORK

A. PAINTING

1. Lead Paint Test

A test for exterior lead paint was conducted by Mystic Air Quality Consultants, Inc. A copy of the report is included in this specification. Test locations and locations containing lead paint are indicated in that report.

2. Lead paint removal

The contractor will remove the lead paint before proceeding. All lead-in-construction safety considerations shall be employed during this work, including employment of work practices, exposure monitoring and appropriate personal protection equipment.

3. Paint all existing painted exterior wood including but not limited to:

- Trims and Moldings
- Cornice and Friezeboards
- Panels
- Exterior window casing, sill, trim and sash
- Exterior door casing, trim and door

DIVISION 1  
SECTION 01 11 00  
SUMMARY OF WORK

- Columns
- Balustrades
- Cupola
- Cupola dome

4. Paint all existing painted exterior metal (except factory painted metal) including but not limited to:
  - Railing
  - Handrail
  - Brackets
  - Gates
  - Supports
  - Window grills
  - Hollow metal door(s) and frame(s)
  - Steel window sash
5. Paint all existing non painted exterior metal (galvanized and ferrous metal) including but not limited to :
  - Conduits
  - Filler piping
  - Misc. piping
6. Paint all existing steel lintels at all existing openings.
7. Painting all existing windows will require the removal of existing storm windows and the reinstallation of the storm windows after painting.
8. Painting all existing windows will also require the removal of existing areaway grates and the reinstallation of the grates after painting.

B. CAULKING

1. Remove the existing caulking in the joints of the marble entrance on Hopmeadow Street.
2. Provide new caulking in the joints of the marble entrance on Hopmeadow Street.
3. Re-caulk all reinstalled storm windows

C. POWER WASHING

1. Power Wash existing masonry (Alternate bid pricing).

1.04 ALLOWANCES

The contractor shall carry in his base bid the following allowance sums. The sums include all overheads and profits.

- A. \$10,000 for duplication and replacement of rotted wood work.

DIVISION 1  
SECTION 01 11 00  
SUMMARY OF WORK

- B. \$5,000 for painting the gold dome of the copula.

1.05 ALTERNATE BID PRICING

The contractor shall provide alternate bid prices for:

1. Power Washing of existing masonry.
2. Included in the Power Washing cost the contractor will carry an allowance of \$10,000 for re-pointing and re-caulking of existing masonry if such work is necessary.

1.06 CONTRACTORS USE OF SITE AND PREMISES

- A. Limit use of site to allow owner occupancy.
- B. Assume full responsibility for protection and safe keeping of products under this Contract.
  1. Follow all security requirements of Owner.
  2. Building must be secured at the end of each workday.
- C. Obtain and pay for use of additional storage or work areas needed for operations under this Contract.
- D. Coordinate use of the premises under direction of Owner. Follow all security requirements as directed by the Owner.
- E. Provide security measure to limit pedestrian and auto traffic while performing the work. Security measures are intended to protect pedestrian and automobiles from harm as a result of the work. Coordinate with Owner and get Owner's approval prior to implementing the security measures.

1.07 OWNER OCCUPANCY

- A. The building will be 100 percent occupied during the entire time of the work.
- B. Cooperate with Owner to minimize conflict, and to facilitate Owner's operations. Schedule the Work to accommodate this requirement.
- C. Maintain means of egress. Any work that limits means of egress is to be performed when the building is not occupied.

1.08 OWNER'S USE OF CONTRACTOR'S SCAFFOLDING

- A. The contractor will allow the Owner, Owner's representative, and Owner's contractor the use of the scaffolding to gain access to the existing clock on/in the cupola to do clock repair.
- B. The use of the scaffolding by the Owner, Owner's representative, and Owner's contractor will be at their own risk.
- C. The Owner will require the use of the scaffolding for one calendar week.

EXTERIOR PAINTING  
ENO MEMORIAL HALL  
Simsbury, Connecticut  
01 11 00/ 3 of 4

DIVISION 1  
SECTION 01 11 00  
SUMMARY OF WORK

PART 2 - PRODUCTS  
Not Used.

PART 3 - EXECUTION  
Not Used.

END OF SECTION

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. The Work shall consist of pressure washing of all existing brick and stone masonry of the Eno Memorial Hall. The work area extends from grade coping on all elevations.
- B. Tuck point damaged mortar joints (allowance).

1.02 RELATED SECTIONS

- A. Section 09 91 00 - Painting

1.03 SUBMITTALS

- A. Submit product data and cleaning method data.

1.04 QUALITY ASSURANCE

- A. Applicator: Company and individuals doing the work specializing in applying the work of this Section with minimum five years documented experience.
- B. Contractor is to follow the Connecticut Environmental Protection Agency Regulations with regards to water and solution run-offs.

1.05 ENVIRONMENTAL REQUIREMENTS

- A. Work to be done when the day time air temperature is 55 degrees F and rising.

1.06 SEQUENCING AND SCHEDULING

- A. Coordinate the work of this Section with all other work in this job.
- B. Notify the Owner (Town of Simsbury) at least 48 hours prior to doing this work.
- C. Assist the Owner is providing pedestrian traffic control while doing this work.

PART 2 - PRODUCTS

2.01 Water for Washing

- A. Water for pressure washing shall be clean, fresh water. Cleaners, detergents, or other additives will not be allowed.
- B. The Town of Simsbury will provide access to water at Eno Memorial Hall.

PART 3 - EXECUTION

3.01 PREPARATION

DIVISION 4  
SECTION 04 01 20.52  
MASONRY CLEANING

- A. Provide protection to all plant materials.
- B. Provide protection to all other surfaces including but not limited to wood, glass, roofing.
- C. Provide protection to all electrical components.
- D. Remove all loosely mounted items on the surface of the masonry. Remount after pressure washing.
- E. Provide protection to all window, doors, trim, roofing and anything else that are not to be washed.
- F. Provide containment to prevent all spray and residue from falling on or interfering with traffic, pedestrians, or surrounding properties near the site where the work is performed.

Water pressure: 150-200 psi max

G. Spray tip fan-type nozzle 15-40 degree fan.

H. Water flow rate 4 to 1.8 gal per min.

3.02 PRESSURE WASH

- A. Pressure washing shall be performed to remove dirt, dust, animal waste, and water soluble contaminants.
- B. Hand scraping and hand scrubbing with a stiff bristled brush may be required to remove debris. When necessary, oil and grease shall be removed by hand-wiping, using solvents.
- C. Clean, fresh water shall be used with sufficient pressure to remove surface contaminants and loose material.
  - 1. Water pressure: 150-200 psi max
  - 2. Spray tip: fan-type nozzle- 25 degree fan spray
  - 3. Water flow rate: 4 to 8 gallons per min

3.03 TUCK POINTING

- A. After pressure wash, carefully inspect for defective mortar joints. Defective joints are those with missing, badly deteriorated, or broken mortar materials. Joints with fine hairline of shrinkage cracks, but which are otherwise sound are not defective.
- B. Remove mortar from defective joint areas to a depth of at least 1/2", or as deep as necessary to expose sound, un-weathered mortar. Remove dust and loose material from the joint by compressed air or high-pressure water spray. Dampen joints prior to commencement of pointing to assure proper bond between new and existing mortar.

DIVISION 4  
SECTION 04 01 20.52  
MASONRY CLEANING

- C. Mix new mortar at the job site to match as closely as possible the color and texture of existing mortar. Point new mortar into the open and prepared joints. Compress mortar during initial installation to assure a void free joint. Hand tool to match the surrounding mortar joints.
- D. Dampen upon completion to assure proper curing of mortar.
- E. Clean masonry surfaces and residual mortar upon completion of the tuck pointing.

3.03 CLEAN-UP

- A. All solid residue shall be contained, collected and allowed to air dry before disposal.
- B. Sweep all pavements clean.
- C. Remove any debris from plant/grass areas to restore site to original condition.

END OF SECTION



PART 1 - GENERAL

1.01 WORK INCLUDED

A. The Work involves:

1. At the marble entrance on Hopmeadow Street- removal existing sealant and any backer rod; install new backer rod and sealant.
2. At all reinstalled storm windows- clean off existing sealant and provide new sealant all around perimeter of storm windows.

B. Preparing sealant substrate surfaces.

C. Sealant and backing.

1.02 RELATED SECTIONS

A. Section 01 11 00 – Summary of Work

B. Section 04 01 20.52- Masonry Cleaning

C. Section 09 91 00- Painting of Exterior

1.03 SUBMITTALS

A. Submit product data indicating sealant chemical characteristics, performance criteria, limitations, and color availability.

B. Submit two samples illustrating colors selected.

C. Submit manufacturer's installation instructions under provisions of General Requirements.

D. Submit manufacturer's certificate that products meet or exceed specified requirements.

1.04 QUALITY ASSURANCE

A. Manufacturer: Company specializing in manufacturing the products specified in this Section with minimum three years documented experience.

B. Applicator: Company specializing in applying the work of this Section with minimum three years documented experience.

C. Conform to Sealant Waterproofing and Restoration Institute requirements for materials and installation.

D. SWI (Sealant and Waterproofers Institute) - Sealant and Caulking Guide Specifications.

E. FS TT-230 - Sealing Compound, Silicone Rubber Base, Type II, Class B.

DIVISION 7  
SECTION 07 90 00  
JOINT PROTECTION

F. ASTM 6290 Grade N5, Class 12.5.

G. Contractor is to follow the Connecticut Environmental Protection Agency Regulations with regards to applied VOC Content Limits for adhesives, sealants, adhesive primers and sealant primers, effective January 1, 2009.

1. Sealant: Architectural- 250 grams VOC per liter.

1.05 ENVIRONMENTAL REQUIREMENTS

A. Joints shall be prepared as recommended by the manufacturer of the materials being used.

B. Surfaces to which sealant is to be applied shall be dry, free from dust, oil, grease, loose particles or other deleterious materials which would reduce adhesion.

C. Follow manufacturer's recommendations concerning weather limitations.

D. Maintain temperature and humidity recommended by the sealant manufacturer during and after installation.

1.06 SEQUENCING AND SCHEDULING

A. Coordinate work under provisions of Section General Conditions and Section 01 30 00.

B. Coordinate the work of this Section with all Sections referencing this Section.

1.07 DELIVERY, HANDLING AND STORAGE

A. Deliver in manufacturer's original unopened containers with labels intact and legible.

B. All materials shall be carefully handled and stored to prevent the intrusion of foreign materials, or exposure to temperatures exceeding 95 degrees F. (35 degrees C).

1.08 WARRANTY

A. Provide a five (5) year warranty on materials and workmanship.

B. Contractor is to guarantee all work against defects in materials and workmanship for a period of five (5) years following final acceptance of the Work.

PART 2 - PRODUCTS

2.01 BACKER ROD

A. Backer rod for joints shall be closed cell polyethylene foam rod or open cell polyurethane foam rod sized to fit joint width. Sized in relation to the joint width as

DIVISION 7  
SECTION 07 90 00  
JOINT PROTECTION

recommended by the sealant manufacturer.

- B. Bond breaker tape is to be as recommended by sealant manufacturer to suit application. Size to fit joint width.

2.02 SEALANT MANUFACTURERS

<u>MANUFACTURER</u>	<u>PRODUCT</u>
1. Dow Corning Corp: Midland, MI	795
2. General Electric:	L-123-1
3. Pecora Corp.: 165 Wambold Road Harleysville, PA	895

- A. For exterior application on building: one-part silicone high-performance glazing and weatherproofing sealant/adhesive, non-sagging, non-staining, non-bleeding, color to match adjoining surfaces.

2.03 ACCESSORIES

- A. Primer: Non-staining type, recommended by sealant manufacturer for each particular sealant and substrate, with choice to be confirmed by adhesion test.
- B. Joint Cleaner: Non-corrosive and non-staining type, recommended by sealant manufacturer; compatible with joint forming materials.
- C. Bond Breaker: Pressure sensitive tape recommended by sealant manufacturer to suit application.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Verify that work of other trades that might affect the work of this Section has been completed.
- B. Examine surfaces for inadequate anchorage, foreign materials, moisture, and whatever would prevent the execution and quality of sealant application. Verify that surfaces and joint openings are ready to receive work and field measurements are as shown on Drawings and recommended by the manufacturer.
- C. Do not proceed with the work of this Section until all defects are corrected.

DIVISION 7  
SECTION 07 90 00  
JOINT PROTECTION

3.02 PREPARATION

- A. All traces of existing sealant and backing material must be completely removed.
- B. All surfaces to receive primer, bond breaker, or sealant shall be clean, dry, and free of loose materials, dirt, dust, oil, frost, or bitumen.

3.03 BACKER ROD INSTALLATION

- A. Install backer rod at joints using a blunt instrument. Do not twist or puncture rod.
  - 1. Install rod so that resulting joint depth is 50% of joint width.

3.04 SEALANT

- A. Depth of sealants in joints, exclusive of backing, shall be as recommended by the sealant manufacturer unless otherwise indicated or specified.
- B. Application may be cartridge-type caulk gun or bulk-type caulk gun, either hand or air pressure activated.
  - 1. Run a bead slowly enough to be certain that entire cavity is filled from the bottom up. Air pockets or voids along edges are not acceptable.
  - 2. Neatly point or tool all sealants applied. Tooling with soap or detergent solutions is not allowed.
- C. Unless otherwise approved by the Owner, all work adjacent to sealants shall be protected by masking with pressure sensitive tape.
  - 1. Drop cloths shall be provided over all horizontal surfaces liable to receive droppings of sealant operations.

3.04 CLEAN-UP

- A. Misapplied sealant and droppings shall be immediately removed by methods and materials recommended in writing from the manufacturer of the sealant used.
- B. After material is applied and tooled, the Contractor shall remove all masking and other protection, and clean up any remaining defacement caused by his work.
- C. Daily clean-up and removal from the site of all empty containers, bits of tape, scrapings, and whatever other debris results from these operations is required.
- D. Repair or replace defaced or disfigured finishes caused by work of this Section.

END OF SECTION

PART 1 - GENERAL

1.1 DESCRIPTION

- A. Scrape off loose paint, sand ridges, prime and paint all existing wood railings, columns, gable ends, wood components of windows and doors; all existing metal.
- B. See Section 01 11 00- Summary of Work for a more detail description of the work.

1.2 DEFINITIONS

- A. "Paint" , as used herein, means coating systems materials including primers, emulsions, epoxy, enamels, sealers, fillers and other applied materials whether used as prime, intermediate, or finish coats.

1.3 RELATED WORK

- A. Section 01 11 00- Summary of Work
- B. Section 04 01 20.52- Masonry Cleaning
- C. Section 07 90 00- Joint Protection

1.4 QUALITY ASSURANCE

- A. Use skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and methods needed for proper performance of the work of this Section.
- B. Paint Coordination:
  - 1. Provide finished coats which are compatible with the prime coats actually used.
  - 2. Review other Sections of these Specifications as required, verifying the prime coats to be used and assuring compatibility of the total coating system for the various substrata.
  - 3. Upon request, furnish information on the characteristics of the specific finish materials to assure that compatible prime coats are used.
  - 4. Provide barrier coats over non-compatible primers, or remove the primer and re-prime as required.

1.5 SUBMITTALS

- A. Product Data: After the Contractor has received the Owner's Notice to Proceed, submit:
  - 1. Manufacturer's specifications and other data needed to prove compliance with the specified requirements.
- B. Samples:

1. Following the section of colors and glosses as described under "Color Schedules" in Part 2 of this Section, submit samples for the Owner's review.
  - a. Provide samples of each color and each gloss for each material on which the finish is specified to be applied.
  - b. Except as otherwise directed, make samples approximately 8" x 10" in size.

1.6 PRODUCT HANDLING

- A. Comply with Manufacturer's specifications.

1.7 JOB CONDITIONS

- A. Do not apply solvent-thinned paints when the temperature of surfaces to be painted and the surrounding air temperatures are below 45 degrees F, unless otherwise permitted by the manufacturer's printed instruction as approved by the Owner.
- B. Weather Conditions:
  1. Do not apply paint in snow, rain, fog, or mist, or when the relative humidity exceeds 85%, or to damp or wet surfaces, unless otherwise permitted by the manufacturer's printed instructions as approved by the Owner.
  2. Applications may be continued during inclement weather only within the temperature limits specified by the paint manufacturer as being suitable for use during application and drying periods.

1.8 WARRANTY

- A. Provide manufacturer's standard 3 year material warranty and 3 year workmanship warranty.

PART 2 - PRODUCTS

2.1 PAINT FOR METAL SURFACES

- |    |                  |  |
|----|------------------|--|
| A. | Benjamin Moore   | IronClad Alkyd Low Lustre Enamel 163<br>M04 Acrylic Metal Primer   |
| B. | Sherwin Williams | SWP Exterior Gloss Oil Base Paint<br>Galvite HS primer             |
| C. | Devoe            | All-Weather Exterior Gloss Alkyd House and Trim<br>DP-13201 primer |

DIVISION 9  
SECTION 09 91 00  
PAINTING OF EXTERIOR SURFACES

2.2 PAINT FOR EXTERIOR WOOD SURFACES

- A. Benjamin Moore      Moore's Latex Exterior Primer 102  
Moorglo Latex house and Trim Paint 046
- B. Devoe      Wonder-shield Exterior Acrylic Latex Primer 1502  
Regency House Exterior Acrylic Latex Gloss House and Trim 18  
series
- C. Fuller O'Brien      Exterior Latex Wood Primer 620-52  
Weather King Latex House and Trim Paint 664

2.3 UNDERCOATS AND THINNERS

- A. Provide undercoat paint produced by the same manufacturer as the finish coat.
- B. Use only thinners recommended by the paint manufacturer, and only to the recommended limits.
- C. Insofar as practicable, use undercoat, finish coat, and thinner material as parts of a unified system of paint finish.

2.4 STRIPPER

- A. Provide a fast-acting biodegradable gel type which does not need after wash or neutralizer such as Piranha I, as manufactured by fiberlock Technologies, Inc., Cambridge, MA or approved equal.

2.5 COLOR SCHEDULE

- A. All paint colors are to match existing as close as possible.

2.6 APPLICATION EQUIPMENT

- A. For application of approved paint, use only such equipment as is recommended for application of the particular paint by its manufacturer, and as approved by the Architect and Owner.
- B. Prior to use of application equipment, verify that the proposed equipment is actually compatible with the material to be applied, and that integrity of the finish will not be jeopardized by its use.

2.7 OTHER MATERIALS

- A. Provide other materials not specifically described, but required for a complete and proper installation, as selected by the Contractor to the Owner for approval.
- B. Sealant as specified under Section 07 90 00.

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ENO MEMORIAL HALL  
Simsbury, CT  
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PART 3 - EXECUTION

3.1 SURFACE CONDITIONS

- A. Examine the area and conditions under which work of this Section will be performed. Correct conditions detrimental to timely and proper completion of the Work. Do not proceed until unsatisfactory conditions are corrected.
  - 1. At locations where existing wood is rotted, dried out or spongy, the Contractor is to notify the Owner prior to making repairs. Repair the defective wood to match existing by either replacing, installing a patch (dutchman) or epoxy filler. This work is to be completed under the allowance established in Section 01 11 00.
  - 2. Examine the surface conditions of the Cupola Dome. Consult with Owner as to the requirements for recoating the Dome. If work is determined to be required do this work under the allowance established in Section 01 11 00.

3.2 MATERIAL PREPARATION

- A. General:
  - 1. Mix and prepare paint materials in strict accordance with the manufacturer's recommendations.
  - 2. When materials are not in use, store in tightly covered containers.
  - 3. Maintain containers used in storage and mixing of paint in a clean condition, free from foreign materials and residue.
- B. Stirring:
  - 1. Stir materials before application, producing a mixture of uniform density.
  - 2. Do not stir into the material any film which may form on the surface. Remove the film and if necessary, strain the material before using.

3.3 SURFACE PREPARATION

- A. General:
  - 1. Perform preparation and cleaning procedures in strict accordance with the paint manufacturer's recommendations, Department of Environmental Protection, OSHA standards, as approved by the Owner and any other agency having jurisdiction over the handling, removal and disposal of hazardous materials such as lead-based paint, should any be found.
  - 2. Remove removable items which are in place and are not scheduled to receive paint finish, or provide surface-applied protection prior to surface



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PAINTING OF EXTERIOR SURFACES

preparation and painting operations.

3. Following completion of painting in each space or area, reinstall the removed items by using workmen who are skilled in the necessary trades.
  4. Clean and naturalize each surface to be painted prior to applying surface treatment.
  5. Remove oil and grease with clean cloth and cleaning solvent of low toxicity and flash point in excess of 200 degrees F, prior to start of mechanical cleaning.
  6. Schedule the cleaning and painting so that dust and other contaminants from the cleaning process will not fall onto wet, newly painted surfaces.
- B. Preparation of metal surfaces:
1. Thoroughly clean surfaces until free from dirt, oil, rust and grease.
    - a. The Contractor is to use whatever means he deems necessary to remove peeling or flaking paint from the surface provided all requirements listed under General above and as followed:
      - i. On galvanized surfaces, use solvent for the initial cleaning, and then treat the surface thoroughly with phosphoric acid etch. Remove etching solution completely before proceeding.
      - ii. Allow to dry thoroughly before paint application.
- C. Preparation of wood surfaces:
1. Scrape off loose paint. Sand ridges to achieve a smooth transition between existing "good" paint areas and "loose" paint areas. Transition should be smooth and not visible after the completion of the final coat of paint.
  2. Clean paint surfaces of any dirt, oil and grease. Let dry completely before applying any paint products.
  3. Any wood surfaces that exposed after scraping and sanding and any wood replacement areas are to receive a coating of sealer or primer.

3.4 PAINT APPLICATION

A. General:

1. Touch up shop-applied prime coats which have been damaged, and touch up bare areas prior to start of finish coat application.

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ENO MEMORIAL HALL  
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2. Slightly vary the color of succeeding coats.
    - a. Do not apply additional coats until the completed coat has been inspected and approved.
    - b. Only the inspected and approved coats of paint will be considered in determining the number of coats applied.
  3. Sand and dust between coats to remove defects visible to the unaided eye from five feet away.
  4. On removable panels and hinged panels, paint the back sides to match the exposed sides.
  5. Apply each coat at the coverage rate recommended by the manufacturer. Perform sufficient wet-film thickness tests to assure proper coverage but in no case perform less than one (1) test per 200 s.f. or four (4) tests for each day's work.
- B. Drying:
1. Allow sufficient drying time between coats, modifying the period as recommended by the material manufacturer to suit adverse weather conditions.
  2. Consider oil-based and oleo-resinous solvent-type paint as dry for recoating when the paint feels firm, does not deform or feel sticky under moderate pressure of the thumb, and when the application of another coat of paint does not cause lifting or loss of adhesion of the undercoat.
- C. Brush applications:
1. Brush out and work the paint onto the surface in an even film.
  2. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, droopiness, and other surface imperfections will not be acceptable.
- D. Spray applications- not allow.
- E. For completed work, match the approved Samples as to texture, color, and coverage. Remove, refinish, or repaint work not in compliance with the specified requirements.

3.5 PAINT SCHEDULE

- A. Metal surfaces:
1. Fully prime all surfaces

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SECTION 09 91 00  
PAINTING OF EXTERIOR SURFACES

2. Two coats specified paint
- B. Wood surfaces:
1. Fully prime all surfaces
  2. Two coats specified paint

3.6 CLEANING

- A. As the work proceeds and on completion of the work, promptly remove all coatings where spilled, splashed, or splattered in a manner as not to damage the surface from which it is removed.
- B. During the progress of the work, keep the premises free from any unnecessary accumulation of tools, equipment, surplus materials and debris resulting from the work under this section.
- C. At the conclusion of the work, leave the premises neat and clean to the satisfaction of the Architect and Owner.

END OF SECTION

## Appendix



# Mystic Air Quality Consultants, Inc.

1204 North Road (Rt. 117) Groton, Connecticut 06340

October 24, 1996

Mr. Steve Markie  
Town of Simsbury  
P.O. Box 495  
Simsbury, Connecticut 06070

Re: Lead Testing - Exterior Only

Dear Steve:

As requested, Mystic Air Quality Consultants Inc. conducted exterior paint testing at the Eno Memorial Building at 754 Hopmeadow Street in Simsbury, Connecticut on October 8, 1996.

The attached roster indicates the location of the surfaces tested and includes a sketch of the elevations involved in the test readings.

The readings were taken with a Niton X-ray spectrum analyzer. The last column, headed PbL, is the Lead Concentration Level - that is the amount of lead in the paint on that surface in terms of milligrams per square centimeter ( $\text{mg}/\text{cm}^2$ ). State of Connecticut childhood lead poisoning regulations consider any levels over  $0.9 \text{ mg}/\text{cm}^2$  in the confirmation mode (which these readings were conducted within) as a toxic level of lead.

The test readings (see first column on left for test #) that were over this level are: 2-20, 25-28, 33, 37 and 38.

## OSHA and lead in construction

Notwithstanding the use of the State of Connecticut standard for toxicity in lead paint ( $0.9 \text{ mg}/\text{cm}^2$  in the confirmation mode) for this report, please note that OSHA does not consider any lead-in-construction pre-testing of paint in place as indicative of exposure potential.

All lead-in-construction safety considerations would have to be employed during this demolition activity so that work practices, exposure monitoring and appropriate personal protective equipment was employed.

Thank you for selecting Mystic Air Quality Consultants, Inc. for these services.

Sincerely,

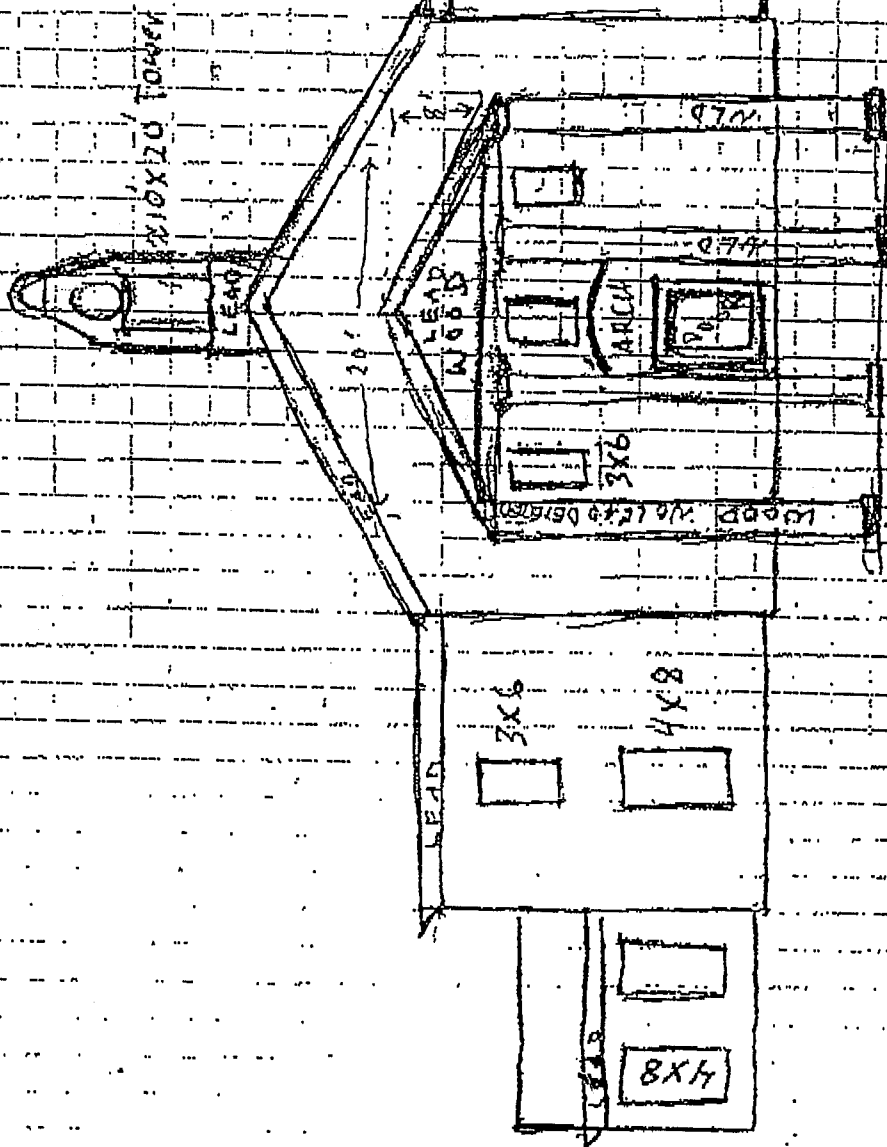
  
Richard Haffey  
Vice President

Telecommunications (24 hours):

Office: (860) 449-8903

FAX: (860) 449-8860

Toll Free: 1 (800) 247-7746



Approximately 120' Front to  
 100' Side (B&C) length

Cornice ~ 14" wide

WOOD DOOR  
 Casing  
 Stone Arch

Front (A' Side)

10/10/96

Pa

TEST SITE: 754 Hopmeadow Street, Simsbury, CT

SIMSBURY HIGHWAY GARAG Fax:8604085416

Nov 19 2009 15:11

P.05

TEST DATE: 10/0

No. Flr	Room	Side Structure	Feature	Cond.	Substr.	I	N	DI	Pbl	
1	1	Entrance	A	Porch	Columns	Intact	Wood	1	2.3	0.1
2	1	Entrance	A	Door	Door	Intact	Wood	1	10.0	2.2
3	1	Entrance	A	Door	Header	Intact	Wood	1	10.0	3.1
4	1	Front Bld	A	Window	Sill-Ext	Defect	Wood	1	4.0	2.3
5	1	Front Bld	A	Window	Sash-Ext	Defect	Wood	1	7.4	5.1
6	1	Front Bld	A	Window-Ext	Header	Defect	Wood	1	7.7	5.1
7	1	Front Bld	A	Window-Ext	Header	Defect	Wood	1	7.5	5.1
8	1	Entrance	A	Door	Jamb	Intact	Wood	1	8.0	2.0
9	2	Outside	B	Ext Wall	Trim-Uppr	Defect	Wood	1	8.2	5.1
10	2	Outside	B	Window-2	Sill-Ext	Defect	Wood	1	2.6	5.1
11	2	Outside	B	Window-3	Sash-Ext	Defect	Wood	1	9.4	5.1
12	1	Entrance	B	Door-1	Jamb	Intact	Wood	1	6.3	5.1
13	1	Entrance	B	Door-1	Door	Defect	Wood	1	9.0	5.1
14	1	Porch	B	Porch-1	Columns	Defect	Wood	1	3.6	5.1
15	1	Entrance	B	Door-1	Header	Defect	Intact	1	8.1	5.1
16	Bsmt	Side Bldg	B	Window	Sill-Ext	Defect	Wood	1	8.5	5.1
17	Bsmt	Side Bldg	B	Window	Header	Defect	Wood	1	10.0	5.1
18	Bsmt	Side Bldg	B	Window-2	Header	Defect	Wood	1	10.0	1.6
19	1	Porch-2	B	Porch	Header	Intact	Wood	1	3.9	1.7
20	1	Porch-2	B	Door-2	Header	Intact	Wood	1	4.6	1.4
21	1	Porch-2	B	Door-2	Jamb	Intact	Metal	1	1.0	0.0
22	1	Porch-2	B	Door-2	Jamb	Intact	Metal	1	1.0	0.0
23	1	Porch-2	B	Door-2	Door	Intact	Metal	1	1.0	0.0
24	1	Porch-2	B	Door-2	Jamb	Intact	Wood	1	1.0	0.0
25	1	Entrance-3	B	Door-3	Door	Defect	Wood	1	2.6	1.8

I-Inspector N-Note DI-Depth Index

Niton &gt;

10/10/96

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TEST SITE: 754 Hopmeadow Street, Simsbury, CT

SIMSBURY HIGHWAY GARAG Fax:8604085416

Nov 19 2009 15:11

P.06

Niton XI

TEST DATE: 10/01/96

No.	Flr	Room	Side Structure	Feature	Cond.	Substr.	I	N	DI	PbL
26	1	Entrance-3	B	Door	Defect	Wood	1	3.1	5.1	
27	1	Entrance-3	R	Jamb	Defect	Wood	1	7.3	5.1	
28	3	Clock Twr-3U	B	Sash-Ext	Defect	Wood	1	3.9	1.0	
29	3	Clock Twr-3U	B	Sill-Ext	Defect	Wood	1	2.2	0.2	
30	3	Clock Twr-3U	B	Sill-Ext	Defect	Metal	1	1.4	0.1	
31	3	Clock Twr-3U	B	Ext Wall	Defect	Wood	1	2.4	0.3	
32	3	Clock Twr-3U	B	Ext Wall	Defect	Wood	1	3.5	0.2	
33	3	Clock Twr-3U	B	Ext Wall	Defect	Wood	1	4.6	5.1	
34	3	Clock Twr-3U	B	Window	Defect	Wood	1	2.4	0.2	
35	3	Clock Twr-3U	B	Window	Defect	Wood	1	2.9	0.7	
36	3	Clock Twr-3U	B	Window	Defect	Wood	1	3.4	0.5	
37	3	Clock Twr-3U	B	Ext Wall	Defect	Wood	1	3.8	0.9	
38	3	Clock Twr-3U	D	Ext Wall	Defect	Wood	1	5.0	3.0	

I-Inspector N-Note DI-Depth Index



10/10/96

TEST SITE: 754 Hopmeadow Street, Simsbury, CT

SIMSBURY HIGHWAY GARAG Fax:8604085416

Nov 19 2009 15:11

P.07

Nicon :

TEST DATE 10/10/96

No.	Flr	Room	Side Structure	Feature	Cond.	Substr.	I	N	DI	PbL
1	1	Porch	A	Porch-1	Intact	Wood	1	2.7	0.1	
2	1	Porch	A	Porch-1	Intact	Wood	1	1.0	0.0	
3	1	Porch	A	Porch-1	Intact	Wood	1	3.4	0.0	
4	1	Porch	A	Porch-1	Intact	Wood	1	1.0	0.0	

I-Inspector N-Note DI-Depth Index