

**TOWN OF TRUMBULL
REQUEST FOR PROPOSAL
RESTORATION OF CUPOLA
TRUMBULL TOWN HALL**

RFP # 6011

DUE: SEPTEMBER 19, 2013 @ 3:00 PM

GENERAL INSTRUCTIONS TO PROPOSERS

The Town of Trumbull, (hereinafter referred to as Town or Owner), through the office of the Purchasing Agent, will accept sealed proposals from qualified firms to provide all supplies and labor necessary for the **RESTORATION OF CUPOLA at TRUMBULL TOWN HALL**, 5866 Main St., Trumbull, CT as detailed in this request. All qualified and interested parties (hereinafter referred to as proposer or contractor) are invited to submit proposals under the terms and conditions set forth herein.

1. SUBMISSION AND PREPARATION

- a) An original and two (2) exact copies of the response shall be submitted in a sealed envelope that shall be plainly marked as follows:

RFP 6011 RESTORATION OF CUPOLA at TRUMBULL TOWN HALL
Due: SEPTEMBER 19, 2013

And addressed to: Purchasing Agent
 Town of Trumbull, 5866 Main Street, Trumbull CT 06611

- b) All Proposals must be submitted in the format requested herein. All blank spaces must be filled in, in ink and the proposal form must be fully completed and executed when submitted.
- c) Please be advised that the person signing the formal proposal must be authorized by you organization to contractually bind your firm with regard to prices and related contractual obligations for the subject project.
- d) No oral, telephone or telegraphic responses will be considered.
- e) The Town reserves the right to communicate with any or all of the proposers to clarify the provisions of Proposals. The Town further reserves the right to request additional information from any proposer at any time after proposals are opened.

2. PROPOSAL RESPONSE TIME

Responses to this request shall be received at the office of the Purchasing Agent, Town Hall prior to the advertised hour (noted above) of opening, at which time all proposals (total proposal amount only) shall be publicly opened and read aloud. A proposer may withdraw a proposal at any time prior to the above scheduled date and time. Any proposal received after the above scheduled date and time shall not be considered or opened. No proposer may withdraw a proposal within ninety (90) days after the actual proposal opening.

3. TOWN OPTIONS

The Town reserves the right to reject any or all proposals and to waive any requirements, irregularities, technical defects or service therein when it is deemed to be in the best interest of the Town. The selection of a contractor by the Town shall be made after careful consideration of all factors including but not limited to price.

4. PRICING AND BONDS

- a) All prices quoted must be firm for ninety (90) days following the proposal opening; nothing elsewhere in this request shall abrogate this firm period.
- b) **A Proposal Bond in the amount of Ten (10%) percent of the proposed price is required and shall accompany a proposal. A Performance Bond in the amount of Fifth (50%) percent of the Total Project Price is required for the faithful performance of the work requested for the renovation of the Town Hall cupola as defined herein.**

5. TAX EXEMPT

The Town of Trumbull is exempt from the payment of taxes imposed by the Federal Government and/or State of Connecticut. Such taxes must not be included in the proposal price. The Town of Trumbull Tax Exempt number is 05-010 31-000.

6. TIME IS OF THE ESSENCE

The Town considers the required completion date(s) to be of utmost importance. Consideration may be given to the proposer that offers the most favorable completion date.

7. SPECIFICATIONS

If quotes do not meet or better the attached specifications on ALL points, the proposer must note ALL exceptions as separate attachments to their formal response; otherwise, it will be presumed that the proposer is responding according to all specifications.

8. INQUIRIES & ADDENDUMS

- a) All technical inquiries regarding this request may be directed to Mr. Allen White – Facilities Director (203-673-5994). No inquiries shall be responded to that are received after September 17, 2013.
- b) All site visits to the Town Hall shall be arranged by contacting Mr. White at the number above.
- c) The Town reserves the right to communicate with any or all of the proposers to clarify the provisions of this request; the Town further reserves the right to request additional information from any proposer at any time after proposals are opened.
- d) It is the sole responsibility of a proposer to verify any addendums that may have been issued relating to this request prior to submission of a proposal. Any notice of addendum shall be published on the Town website. Failure to submit a response that does not address any changes or addendums may result in a disqualification of a proposal submission.

9. ASSIGNMENT OF RIGHTS, TITLES, AND INTERESTS

Any assignment or subcontracting by a proposer, vendor, or contractor for work to be performed, or goods and/or services to be provided, in whole or in part, and any other interest in conjunction with a Town procurement shall not be permitted without the express written consent of the Town of Trumbull.

10. HOLD HARMLESS CLAUSE

The Contractor agrees to indemnify, hold harmless and defend the Town from and against any and all liability for loss, damage or expense which the Town may suffer or for which the Town may be held liable by reason of injury, including death, to any person or damage to any property arising out of or in any manner connected with the operations to be performed under this request, whether or not due in whole or in part of any act, omission or negligence of the Owner or any of his representatives or employees.

11. WORK REGULATIONS AND STANDARDS

- a) All work activities performed in association with this request must be performed and completed for the Town in accordance with current Federal State and Local regulations. All services performed shall also conform to the latest OSHA standards and/or regulations.
- b) The contractor shall comply with all applicable laws and regulations relating to State and Federal employment practices, nondiscrimination, safety and health regulations.

12. INSURANCE

The successful proposer shall provide the Town Purchasing Agent with a Certificate of Insurance before work commences. The Town shall be named as an additional insured with an Insurance Company licensed to write such insurance in Connecticut, against the following risks and in not less than the following amounts:

Commercial General Liability	Each Occurrence	Aggregate
Bodily Injury Liability	\$1,000,000	\$1,000,000
Property Damage Liability	\$1,000,000	\$1,000,000
Personal Injury Liability	\$1,000,000	\$1,000,000
Comprehensive Auto Liability	Each Occurrence	Aggregate
Including coverage of owned, non owned & rented vehicles	\$1,000,000	\$1,000,000

The insurance policy must contain the additional provision wherein the company agrees that fifteen (15) days prior to termination, expiration, cancellation or reduction of the insurance afforded by this policy with respect to the contract involved, written notice will be served by registered mail to the Purchasing Agent, Town of Trumbull. Additionally the successful proposer (Contractor) shall provide adequate statutory Workmen's Compensation Insurance for all labor employed on this project, and comprehensive General Public Liability Insurance (Coverage "B"). The successful

proposer (Contractor) and each Subcontractor agree that their insurance carriers waive subrogation against the Town, its agents or employees with respect to any loss covered by the Contractor's and each Subcontractor's insurance.

13. CONFLICT OF INTEREST

No purchase shall be made from nor shall services (other than services as an officer, agent, or employee of the Town) be secured from any officer or employee of the Town, or from any partnership or corporation in which such officer or employee is a partner or officer, or holds a substantial interest, unless such relationship and the fact that such purchase is contemplated shall be made known in writing to the agency making such purchase, and notice thereof posted, for at least five (5) days before such purchase be made , in the office of the agency making such purchase and in a public place in the Trumbull Town Hall.

**TOWN OF TRUMBULL
REQUEST FOR QUOTATION
RESTORATION OF CUPOLA
TRUMBULL TOWN HALL**

PROPOSAL # 6011

DUE:

SEPTEMBER 19, 2013 @ 3:00 PM

REQUIREMENTS AND SPECIFICATIONS

All specifications and requirements are attached as follows:

Section 09992 – PAINTING RESTORATION

Section 07 46 40 - VINYL SIDING

Photo of Town Hall Cupola

**TOWN OF TRUMBULL
REQUEST FOR QUOTATION
RESTORATION OF CUPOLA
TRUMBULL TOWN HALL**

PROPOSAL # 6011

DUE:

SEPTEMBER 19, 2013 @ 3:00 PM

**PROPOSAL FORM
(TO BE ON CONTRACTOR'S LETTERHEAD)**

To: Town of Trumbull
5688 Main Street
Trumbull, CT 06611

Project: TRUMBULL TOWN HALL
CUPOLA RESTORATION
5688 MAIN STREET
TRUMBULL, CONNECTICUT

Date: _____

Submitted by: _____
(full name and title)

(full address)

1. OFFER

Pursuant to and in compliance with the Invitation relating thereto, the Undersigned,

himself/herself with the conditions present and carefully examined all the documents (including the drawings and specifications), General Instructions, Proposal Form, etc., together with all Addenda issued and received prior to closing time for receipt of proposals as prepared by Antinozzi Associates hereby offers and agrees as follows:

To provide all materials, all labor and all else whatsoever necessary to erect and properly finish all work in accordance with said documents for the above mentioned projects to the satisfaction of the Architect and Owner for the stipulated sum of

Base Proposal (in words) _____

Base Proposal (in figures) \$ _____

Enclosed herewith is the Proposal Guaranty (10% of Base Proposal minimum), which is in the form of:

() Proposal Bond () Certified Check

(All State of Connecticut taxes are excluded from the Proposal Sum.)

2. ACCEPTANCE

- This offer shall be open to acceptance for ninety (90) days from the proposal opening date.
- If this Proposal is accepted by the Owner within the time period stated above, Undersigned will:
- Execute this Agreement within ten days of receipt of acceptance of this proposal.
- Furnish the required bond (s) within ten days of receipt of acceptance of this Proposal.
- Commence work within seven days after written Notice to Proceed or Contract signing.
- If this Proposal is accepted within the time stated, and the Undersigned fails to provide the required Bond(s), the Owner may charge against the Undersigned the difference between the amount of

this proposal and the amount for which the contract for the work is subsequently executed, irrespective of whether the amount thus due exceeds the amount of the proposal guaranty.

- In the event this Proposal is not accepted within the time stated above, the required security deposit shall be returned to the undersigned, in accordance with the provisions of the Instructions to proposers; unless a mutually satisfactory arrangement is made for its retention and validity for an extended period of time.

3. CONTRACT TIME

If this Proposal is accepted, the Undersigned will complete all the work per the contract documents and shall receive satisfactory inspection by the appropriate municipal and state entities within **60 calendar days** from Notice to Proceed. Is it additionally understood that liquidated damages, in the amount of **\$250 per calendar day**, will be assessed for failure to complete the project within the above time period.

4. CHANGES TO THE WORK

Equitable adjustments for Changes in the Work will be net cost plus a percentage feed in accordance with the General Conditions.

5. ADDENDA

The following Addenda have been received. The modifications to the Proposal Documents noted therein have been considered and all costs thereto are included in the Base Proposal.

Addenda # _____, _____, _____, _____, _____

6. ALTERNATES

- A. Add Alternate No.1 – Clad all existing wood quoins with 0.04" thick aluminum in lieu of painting. Refer to drawing for locations of quoins at corners of cupola.

ADD THE SUM OF \$ _____

- B. Add Alternate No.2 – Clad all existing wood finish at mid-section of cupola with 0.04 thick aluminum in lieu of painting. Refer to drawing for extent.

ADD THE SUM OF \$ _____

7. PROPOSAL FORM SIGNATURE (S)

The Corporate Seal

(Print the full name of your Proprietorship, Partnership, or Corporation)

Was hereunto affixed in the presence of:

(Authorized signing officer) (Title)

(Seal)

(Authorized signing officer) (Title)

If the Proposal is a joint venture or partnership, add additional forms of execution for each member of the joint venture in the appropriate form or forms as above.

THE PROPOSER SHALL STATE THE NAMES OF ALL OF ALL PROPOSED SUBCONTRACTORS

PROPOSED SUBCONTRACTORS

If none, write "None" _____.

*Description of Work _____
Proposed Subcontractor Name _____
Address _____

*Description of Work _____
Proposed Subcontractor Name _____
Address _____

*Description of Work _____
Proposed Subcontractor Name _____
Address _____

*Description of Work _____
Proposed Subcontractor Name _____
Address _____

*Insert description of work and subcontractors' names as may be required.

This is to certify that the names of the above mentioned subcontractors are submitted with full knowledge and consent of the respective parties.

The Proposer warrants that none of the proposed subcontractors have any conflict of interest as respects this contract.

Proposer _____
(Fill in Name)

By _____
(Signature and Title)

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CONTRACTOR INFORMATION SUMMARY
Complete/Describe In Detail – Attach Additional Sheets If Required

Name of Company: _____

Type of Business: _____
(Limited Company, Limited Partnership, Sole Proprietorship, Etc)

Years In Business: _____ Number of Employees: _____

Qualifications of Personnel Proposed to Work on Town of Trumbull Contract:

REFERENCES

(To be submitted with proposal – attach additional pages as necessary)

Responses to this request shall list at least three (3) references for similar work that is related in size and scope (dollar value or specification) to the proposed scope of work contained in this request. Previous projects may be cited provided they were executed within the last three years. **PLEASE NOTE IT IS THE TOWN'S INTENT TO COMMUNICATE WITH THE REFERENCES LISTED HEREIN.**

CLIENT 1:

Organization Name: _____

Contact Name: _____ Phone: _____

Service Dates: _____

Project(s): _____

CLIENT 2:

Organization Name: _____

Contact Name: _____ Phone: _____

Service Dates: _____

Project(s): _____

CLIENT 3:

Organization Name: _____

Contact Name: _____ Phone: _____

Service Dates: _____

Project(s): _____

SECTION 09992 - PAINTING RESTORATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes historic treatment and restoration as follows:
 - 1. Painting of historic wood surfaces, including:
 - a. Wood portions of existing cupola.
 - 2. Paint removal over historic surfaces, including:
 - a. Copper portions of existing cupola.
 - b. Wood portions of existing cupola.
 - 3. Preparation of historic surfaces for painting, including:
 - a. Wood portions of existing cupola including but not limited to cleaning, and patching of wood surfaces.

1.3 SUBMITTALS

- A. Product Data: For each paint system and type of product indicated. Include recommendations for application and use. Include test data substantiating that products comply with requirements.

1.4 QUALITY ASSURANCE

- A. Mockups: Provide mockups for each type of coating system and substrate indicated and each color and finish required to demonstrate aesthetic effects and set quality standards for materials and execution. Duplicate appearance of approved Sample submittals.
 - 1. Surface-Preparation Mockups: On existing surfaces using applicable specified methods of cleaning and other surface preparation, provide mockup sample of at least 4 sq. ft.

2. **Coating Mockups:** Architect will select two wall surfaces of at least 4 sq. ft. to represent surfaces and conditions for application of each type of coating system under same conditions as the completed Work.
3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
4. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

B. Preinstallation Conference: Conduct conference at project site

1. Review methods and procedures related to historic treatment of painting including, but not limited to, the following:
 - a. Construction schedule. Verify availability of materials, personnel, equipment, and facilities needed to make progress and avoid delays.
 - b. Materials, material application, colors, patterns, and sequencing.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F (7 deg C).**
1. Maintain containers in clean condition, free of foreign materials and residue.
 2. Remove rags and waste daily.

1.6 PROJECT CONDITIONS

- A. Weather Limitations:** Proceed with historic treatment of painting only when existing and forecasted weather conditions are within the environmental limits set by each manufacturer's written instructions and specified requirements.
- B. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F (10 and 35 deg C).**
- C. Do not apply paint in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F (3 deg C) above the dew point; or to damp or wet surfaces.**
1. Painting may continue during inclement weather if surfaces and areas to be painted are enclosed and heated within temperature limits specified by manufacturer during application and drying periods.
- D. Concealed and undocumented historic items, murals, and similar objects encountered during historic treatment remain Owner's property. Carefully protect each item or object.**
1. Coordinate with Owner's representative, who will establish special procedures for protection.

1.7 SEQUENCING AND SCHEDULING

- A. Perform historic treatment of painting in the following general sequence:
 - 1. Dismantle existing surface-mounted objects and hardware except items indicated to remain in place. Tag items with location identification and protect.
 - 2. Examine condition of surfaces to be painted.
 - 3. Remove existing paint to the degree required for each substrate and surface condition of existing paint.
 - 4. Apply paint system.
 - 5. Reinstall dismantled surface-mounted objects and hardware except as otherwise indicated.

1.8 EXTRA MATERIALS

- A. Furnish extra paint materials from the same production runs that match products applied and that are packaged with protective covering for storage and identified with labels describing contents, including material, finish, source, and location on building.
 - 1. Quantity: Furnish Owner with one gallon of each color applied.

PART 2 - PRODUCTS

2.1 CLEANING MATERIALS

- A. Water: Potable.
- B. Hot Water: Water heated to a temperature of 140 to 160 deg F (60 to 71 deg C).
- C. Detergent Solution: Solution prepared by mixing 2 cups (0.5 L) of tetrasodium polyphosphate, 1/2 cup (125 mL) of laundry detergent that contains no ammonia, 5 quarts (5 L) of 5 percent sodium hypochlorite bleach, and 15 quarts (15 L) of warm water for each 5 gal. (20 L) of solution required.
- D. Mildewcide: Commercial proprietary mildewcide or a job-mixed solution prepared by mixing 1/3 cup (80 mL) of household detergent that contains no ammonia, 1 quart (1 L) of 5 percent sodium hypochlorite bleach, and 3 quarts (3 L) of warm water.

2.2 PAINT REMOVERS

- A. Manufacturers / Product: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 1. Peel Away 1 as manufactured by Dumond Chemicals, Inc.

2.3 PATCHING MATERIALS

- A. Wood Patching Compound: Two-part, epoxy-resin patching system; knife-grade formulation as recommended by manufacturer for type of wood repair indicated, tooling time required for the detail of work, and site conditions. Compound shall be designed for filling voids in damaged wood materials that have deteriorated due to weathering and decay. Compound shall be capable of filling deep holes and spreading to feather edge.
1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Abatron, Inc.; LiquidWood with WoodEpoxy.
 - b. Advanced Repair Technology, Inc.; Primatrate with Flex-Tec HV.
 - c. ConServ Epoxy LLC; Flexible Epoxy Consolidant 100 with Flexible Epoxy Patch 200.
 - d. Polymeric Systems, Inc.; QuickWood.
 - e. West System Inc.; West System.
 - f. Wood Care Systems; ROTFIX with SCULPWOOD.

PART 3 - EXECUTION

3.1 HISTORIC TREATMENT PROCEDURES, GENERAL

- A. General: In treating historic items, disturb them as minimally as possible and as follows:
1. Apply each product according to manufacturer's written instructions unless otherwise indicated.
 2. Stop the progress of deterioration and corrosion by removing failed coatings and corrosion and repainting.
 3. Verify that substrate surface conditions are suitable for painting.
 4. Allow other trades to repair items in place and retain as much original material as possible before repainting.
 5. Reproduce original, historic paint systems where indicated or scheduled.
 6. Make historic treatment of materials reversible whenever possible unless otherwise indicated.
 7. Install temporary protective measures to protect historic painted surfaces that are indicated to be treated later.
- B. Mechanical Abrasion: Where mechanical abrasion is needed for the work, use only the gentlest mechanical methods, such as scraping and lightly hand sanding, that will not abrade softer substrates, reducing clarity of detail. Do not use abrasive methods such as rotary sanding, rotary wire brushing, or power tools except as indicated as part of the historic treatment program and as approved by Architect.
- C. Heat Processes: Do not use torches, heat guns, or heat plates.

3.2 EXAMINATION

- A. Examine substrates and conditions, with historic treatment specialist present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the painting work. Comply with paint manufacturer's written instructions for inspection.
- B. Maximum Moisture Content of Substrates: Do not begin application of coatings unless moisture content of exposed surface is below the maximum value recommended in writing by paint manufacturer.
- C. Alkalinity: Do not begin application of coatings unless surface alkalinity is within range recommended by paint manufacturer. Conduct alkali testing with litmus paper on exposed plaster, cementitious, and masonry surfaces.
- D. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.
 - 1. If existing surfaces cannot be prepared to an acceptable condition for proper finishing by using specified surface-preparation methods, notify Architect in writing.
- E. Begin coating application only after unsatisfactory conditions have been corrected and surfaces are dry.
 - 1. Beginning coating application constitutes Contractor's acceptance of substrates and conditions.

3.3 PREPARATION

- A. General: Protect persons, motor vehicles, building site, plants, surrounding surfaces of building being worked on, and surrounding buildings from harm resulting from historic treatment of painting.
 - 1. Erect temporary protective covers over walkways and at points of pedestrian and vehicular entrance and exit that must remain in service during course of historic treatment Work.
- B. Comply with chemical-product manufacturer's written instructions for protecting building and other surfaces against damage from exposure to its products. Prevent chemical solutions from coming into contact with people, motor vehicles, landscaping, buildings, and other surfaces that could be harmed by such contact.
 - 1. Cover adjacent surfaces with materials that are proven to resist chemical solutions being used unless the solutions will not damage adjacent surfaces. Apply masking agents to comply with manufacturer's written instructions. Do not apply liquid strippable masking agent to painted or porous surfaces. When no longer needed, promptly remove masking to prevent adhesive staining.
 - 2. Do not apply chemical solutions during winds of sufficient force to spread them to unprotected surfaces.
 - 3. Neutralize and collect alkaline and acid wastes for disposal off Owner's property.

4. Dispose of runoff from operations by legal means and in a manner that prevents soil erosion, undermining of paving and foundations, damage to landscaping, and water penetration into building interiors.

3.4 CLEANING

- A. General: Use only the gentlest, appropriate method necessary to clean surfaces in preparation for painting. Clean all surfaces, corners, contours, and interstices.
- B. Detergent Cleaning: Wash surfaces by hand using clean rags, sponges, and bristle brushes. Scrub surface with detergent solution and bristle brush until soil is thoroughly dislodged and can be removed by rinsing. Use small brushes to remove soil from joints and crevices. Dip brush in solution often to ensure that adequate fresh detergent is used and that surface remains wet. Rinse with water applied by clean rags or sponges.
- C. Solvent Cleaning: Use solvent cleaning to remove oil, grease, smoke, tar, and asphalt from painted or unpainted surfaces before other preparation work. Wipe surfaces with solvent using clean rags and sponges. If necessary, spot-solvent cleaning may be employed just prior to commencement of paint application, provided enough time is allowed for complete evaporation. Use clean solvent and clean rags for the final wash to ensure that all foreign materials have been removed. Do not use solvents, including primer thinner and turpentine, that leave residue.
- D. Mildew: Clean off existing mildew, algae, moss, plant material, loose paint, grease, dirt, and other debris by scrubbing with bristle brush or sponge and detergent solution. Scrub mildewed areas with mildewcide. Rinse with water applied by clean rags or sponges.

3.5 PAINT REMOVAL

- A. General: Remove paint where indicated. Where cleaning methods have been attempted and further removal of the paint is required because of incompatible or unsatisfactory surfaces for repainting, remove paint to extent required by conditions.
- B. Copper substrates: Upon completion of paint removal from copper surfaces, polish copper with non-abrasive clean rags or sponges.
- C. Wood substrates: Remove paint as recommended by paint removal system manufacturer.

3.6 SUBSTRATE REPAIR

- A. General: Repair substrate surface defects that are inconsistent with the surface appearance of adjacent materials and finishes.
- B. Wood Substrate:
 1. Repair wood defects including dents and gouges more than 1/4 inch in size and all holes and cracks by filling with wood patching compound and sanding smooth. Reset or remove protruding fasteners.
 2. Where existing paint is allowed to remain, sand irregular buildup of paint, runs, and sags to achieve a uniformly smooth surface.

3.7 PAINT APPLICATION, GENERAL

- A. Prepare surfaces to be painted according to the Surface-Preparation Schedule and with manufacturer's written instructions for each substrate condition.
- B. Apply a transition coat over incompatible existing coatings.
- C. Blending Monochromatic Painted Surfaces: When painting new substrates patched into existing surfaces or touching up missing or damaged finishes, apply coating system specified for the specific substrate. Apply final finish coat over entire surface from edge to edge and corner to corner.

3.8 CLEANUP AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.9 EXTERIOR HISTORIC PAINTING SCHEDULE

- A. Wood Cupola:
 - 1. Basis of Design: Sherwin Williams paints as follows:
 - a. Prime Coat: Exterior oil-based wood primer.
 - b. Intermediate Coat: Emerald exterior acrylic latex paint.
 - c. Topcoat: Emerald exterior acrylic latex paint.
 - d. Color: As selected by Architect from manufacturer's standard colors.

END OF SECTION 09992

SECTION 07 46 40 – VINYL SIDING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Vinyl horizontal siding.
- B. Accessories and trim.

1.2 REFERENCES

- A. ASTM D 3679 - Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding.
- B. ASTM D 5206 - Standard Windload Resistance Test.
- C. ASTM E 84 - Standard test Method for Surface Burning Characteristics of Building Materials.
- D. ASTM E 119 - Standard Test Methods for Fire Tests of Building Construction and Materials.

1.3 DESIGN/PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Code compliance in accordance with the following:
 - 1. 2005 Connecticut State Building including 2009 amendments.
 - 2.
- B. PVC Fire Resistance: Provide vinyl siding products that meet or exceed the following ratings:
 - 1. Flame Spread Index < 25, smoke development rating <450, per ASTM E 84.
 - 2. Fire endurance classification of 1 hour, per ASTM E 119 as wall assembly.

1.4 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- B. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- C. Verification Samples: For each finish product specified, two samples, minimum size 12 inches (300 mm) long, representing actual product, color, and patterns.

1.5 QUALITY ASSURANCE

- A. **Installer Qualifications:** Provide installer with not less than three years of experience with products specified or similar products.
- B. **Mock-Up:** Provide a mock-up for evaluation of installation techniques and workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship and color is approved by Architect.
 - 3. Reinstall mock-up area as required to produce acceptable work.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation. Refer to manufacturer's installation instructions for specific storage and handling requirements.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.8 WARRANTY

- A. Provide manufacturer's standard lifetime limited warranty on siding products, transferable to new owners.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. **Acceptable Manufacturer:** CertainTeed Corporation, Siding Products Group.
- B. **Substitutions:** As approved by Architect.

2.2 MATERIALS

- A. **Vinyl Siding, Soffit and Components:** Provide products made of extruded polyvinyl chloride as specified in this section and manufactured to comply with requirements of ASTM D 3679.
 - 1. Provide elongated nailing slots on nailing flanges to allow for movement.
 - 2. Factory-notch ends of horizontal panels to form overlapping joints.
 - 3. Provide products that meet weathering requirements of ASTM D 3679.

2.3 VINYL SIDING

- A. Basis of Design Product: Restoration Classic - T3 (smooth):
 - 1. Design: Triple 3 inch (76 mm) clapboard, smooth finish with STUDfinder Installation System.
 - 2. Nail Hem: RigidForm 180 Technology Roll Over Nail Hem.
 - 3. Lock: DuraLock post formed lock design.
 - 4. Width: 9 inches (229 mm) plus or minus .062 inch (1.57 mm).
 - 5. Length: 12 feet 1 inch (3.68 m) plus or minus .025 inch (6 mm).
 - 6. Average Thickness: 0.044 inch (1.1 mm).
 - 7. Panel Projection: 5/8 inch (15.9 mm).
 - 8. Exposure: 3 inches (76 mm) with single nailing hem.
 - 9. Maximum Warp (per 2 panels): 0.250 inch (6 mm).
 - 10. Color shall be as follows:
 - a. Colonial White.

2.4 VINYL ACCESSORIES

- A. Standard Accessories:
 - 1. 1. Corner post: Standard width, 10 feet (3.05 m), 12 feet (3.66 m), and 20 feet (6.10 m) lengths.
 - 2. J-Channel: Standard width, 12 feet, 6 inches (3.81 m) length.
 - 3. Undersill trim: 3/4" face, 12 feet, 6 inch (3.81 m) length.
 - 4. Dual undersill trim: 3/4" face, 12 feet 6 inches (3.81 m) length.
 - 5. 2-1/4 inch (57 mm) Vinyl Starter Strip. (No Color)
 - 6. Color: As selected by Architect from manufacturer's standards.
- B. Additional Accessories:
 - 1. As indicated on drawings.

2.5 2.7 FASTENERS

- A. A. Provide galvanized or other corrosion-resistant nails as recommended by manufacturer of siding products. Do not install siding with staples.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Examine, clean, and repair as necessary any substrate conditions which would be detrimental to proper installation.
- B. Do not begin installation until unacceptable conditions have been corrected.

3.3 INSTALLATION

- A. Install products in accordance with the latest printed instructions of the manufacturer.
- B. Installer shall have manufacturer's current required credentials.
- C. Install products with all components true and plumb.
- D. Do not install siding with staples.
- D. Allow space between both ends of siding panels and trim for thermal movement. Overlap horizontal panel ends one-half the width of factory pre-cut notches.
- E. Stagger lap joints in horizontal siding in uniform pattern as successive courses of siding are installed.
- F. Install J-channel and flashing to accommodate successive courses of vertical siding. Install wood shims at building corners to bring cut edges of vertical siding out to correct plane.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

3.5 CLEANING

- A. At completion of work, remove debris caused by siding installation from project site.

END OF SECTION 07 46 40

