The Town of Simsbury is soliciting bids for masonry restoration consisting primarily of repointing four brick masonry chimneys at Eno Memorial Hall, 754 Hopmeadow Street in Simsbury. Work includes all temporary scaffolding and shoring required to access the chimneys, cleaning and removing of deteriorated mortar, repointing, patching and associated cleaning and all brick work as specified in the Invitation to Bid. The scope of work for this project includes furnishing all labor, materials and equipment required to complete the project as specified. Eno Memorial Hall is listed on the National Historic Register and is an active Town facility used as a Senior and Community Center.

Sealed proposals will be accepted by Joe Mancini, Director of Finance, 933 Hopmeadow Street (Rt. 10/202), Simsbury, CT until 10:00 a.m., November 3, 2015.

Specifications and bidding documents may be obtained electronically via the Town’s web site at the following link:  www.simsbury-ct.gov/public-bids-and-rfp. Bid documents will not be mailed or faxed.
STANDARD INSTRUCTIONS TO BIDDERS
ENO MEMORIAL HALL MASONRY REPOINTING

1. Project Overview:
The Town of Simsbury is soliciting bids for masonry restoration consisting primarily of repointing four brick masonry chimneys at Eno Memorial Hall, 754 Hopmeadow Street in Simsbury. Work includes all temporary scaffolding and shoring required to access the chimneys, cleaning and removing of deteriorated mortar, repointing, patching and associated cleaning and all brick work as specified in the Invitation to Bid. The scope of work for this project includes furnishing all labor, materials and equipment required to complete the project as specified. Eno Memorial Hall is listed on the National Historic Register and is an active Town facility used as a Senior and Community Center.

2. Key Event Dates:
   Invitation to Bid Issued October 15, 2015
   Pre-Bid Conference October 22, 2015
       10:00am at Site
   Bids Due November 3, 2015
   Commencement of Work Within ten (10) calendar days of Notice to Proceed

3. Bid Submission Instructions:
   A. One (1) original and one (1) copy of all bids must be submitted in a sealed envelope with the bidder’s name on the outside of the envelope and clearly marked “Sealed Bid for Town of Simsbury – ENO MEMORIAL HALL MASONRY REPOINTING”. If forwarded by mail or courier, the sealed envelope must be addressed to “Joe Mancini, Director of Finance, 933 Hopmeadow Street (Rt. 10/202), Simsbury, CT 06070”. Bids must be at the office of the Director of Finance prior to 10 a.m., November 3, 2015. Postmarks are NOT an acceptable waiver of this policy. Once the first bid is opened, all bids are deemed final and no corrections or alterations may be made.
   B. Ditto marks or words such as “SAME” must not be used for the bid to be considered.
   C. All information must be submitted in ink or typewritten. Errors, alterations or corrections must be shown on both the original and all required copies and each must be initialed by the person signing the bid.
   D. Bids are considered valid for ninety (90) days after bids are opened. Bidders may not withdraw, cancel or modify their bid during this ninety (90) day period after bids are opened.
   E. An authorized person representing the legal entity of the bidder must sign bids.
F. The inability to meet any specified requirement(s) must be stated in writing and attached to the bid form, or written on the bid form. If no exceptions are noted, it shall be assumed that the terms of the Invitation to Bid have been accepted.

G. The Town of Simsbury reserves the right to waive any minor informality in a bid when such a waiver is in the best interest of the Town.

4. Questions:

Any questions about this project should be directed to: Mr. Thomas J. Roy, Director of Public Works by fax (860) 408-5416, or by mail Department of Public Works, PO Box 495, Simsbury, CT 06070. To receive consideration, such questions must be received at least five (5) business days before the established date for receipt of bids. No oral interpretations shall be made to any respondent as to the meaning of any of the bid documents. Every request for an interpretation shall be made in writing.

The Town will respond to all appropriate questions received via an addendum available to all prospective bidders. Such addenda will become part of this Invitation to Bid and the resulting contract. At least two (2) days prior to the receipt of bids, the Town will post a copy of any addenda to its website, located at: www.simsbury-ct.gov/finance/pages/public-bids-and-rfp. It shall be the responsibility of each bidder to determine whether addenda have been issued, and if so, to download copies directly from the Town’s website.

5. Presumption of Bidder Being Fully Informed:

At the time the first bid is opened, each bidder is presumed to have read and is thoroughly familiar with all bidding documents as well as all contract documents for this project. Failure or omission of the bidder to receive or examine any documentation or information concerning this bid shall in no way relieve any bidder from obligations with respect to their bid.

6. Pre-Bid Conference:

A single pre-bid conference is scheduled for this invitation to bid. Prospective bidders are encouraged to attend. This is not a mandatory pre-bid conference. The Town will make reasonable efforts to accommodate site reviews at other times.

7. Interpretation of Acceptable Work:

The specifications, bidding and contract documents are to be interpreted as meaning those acceptable to the Town of Simsbury. The Town will issue any substantive changes or interpretations in writing as an addendum.

8. Tax Exemptions:

The bidder shall be aware that the Town of Simsbury is exempt from Federal Excise Taxes and Connecticut Sales and Use Taxes. Appropriate tax exempt forms will be provided to the successful bidder(s) as part of the contract award process.
9. Insurance Requirements:

The firm must carry insurance under which the Town is named as an additional insured, as follows:

Such insurance must be by insurance companies licensed to write such insurance in Connecticut against the following risks with the following minimum amounts and minimum durations.

A. Workman's Compensation, as required by State Statute & $100,000 employers liability limit.

B. Public Liability, Bodily Injury Liability and Property Damage Liability as follows:
   - Injury or death of one person: $2,000,000
   - Injury to more than one person in a single accident: $1,000,000
   - Property damage in one accident: $1,000,000
   - Property damage in all accidents: $2,000,000

C. Automobile and Truck (Vehicular) Public Liability, Bodily Injury Liability and Property Damage Liability as follows:
   - Injury or death of one person: $1,000,000
   - Injury to more than one person in a single accident: $1,000,000
   - Property damage in one accident: $1,000,000
   - Property damage in all accidents: $1,000,000

Insurance under B, and C above must provide for a 30 day notice to the Town of cancellation/or restrictive amendment.

Insurance under B and C above must be for the whole duration of the contract and for twelve (12) months after acceptance of the project by the Town.

Subcontractors must carry A, B, and C in the same amounts as above for the duration of the project and until acceptance by the Town.

Certificates of insurance must be submitted to the Director of Public Works prior to the signing of the contract and within ten days of notification of award of contract. Should any insurance expire or be terminated during the period in which the same is required by this contract, the Director of Public Works shall be notified and such expired or terminated insurance must be replaced with new insurance and a new certificate furnished to the Director of Public Works.

Failure to provide the required insurance and certificates may, at the option of the Town, be held to be a willful and substantial breach of this contract.

10. Substitution for Name Brands:

Should brand name items appear in this bid, the bidder must attach specifications for any substitutions and explain how the substitution compares with the specifications of the named brand. The decision on whether to use the substitution or the named brand rests solely with the Town of Simsbury.
11. Awarding the Bid:

The Town reserves the right to accept any bid or any part of bids, to reject any, all, or any part of bids, and to waive formalities and informalities in the bidding process. The Town at its discretion will award the bid to the lowest responsible bidder. That bidder is the person or firm who is qualified and competent to do the work, whose past performance is satisfactory to the Town and whose bid documents comply with the procedural requirements stated herein.

13. Rejection and/or Cancellation of Bids:

The Town reserves the right to reject or cancel any and all bids, or any part of any or all bids, if such action is deemed to be in the best interest of the Town.

14. Delivery Arrangements: Not applicable

15. Bid Bond: Not applicable

16. Performance Bond: Not applicable

17. W-9 Form

The successful bidder must provide the Town of Simsbury with a completed W-9 Form prior to commencing work.

18. Submittals:

The Bidder shall, as soon as practicable, but not exceed fifteen (15) calendar days, after notification of selection of the award of the bid, furnish to the Owner, in writing the following:

A. Scaffolding plan for review and approval
B. Site specific safety plan
C. Names of the manufacturers, products and suppliers of the principal items of materials proposed for the work
D. Project work schedule

19. Agreement Documents:

The Agreement Documents are defined as:
- The Standard Instructions to Bidders
- The General Specifications
- Any Addenda, if issued

END OF STANDARD INSTRUCTION TO BIDDERS
Pursuant to and in compliance with the “Invitation to Bid” and Standard Instructions to Bidders relating thereto, the undersigned, having visited the sites and carefully examined all Bidding Documents and complete General Specifications together with all Addenda issued and received prior to the scheduled closing time for receipt of Bids, hereby offers and agrees as follows:

- To provide all labor, materials, and anything else reasonably necessary to complete all work per the attached specifications.

- If awarded this Contract, we will execute a Contract with the Town of Simsbury, Owner of the properties.

In submitting this BID, the BIDDER acknowledges that:

1. Each lump sum price includes all labor, materials, transportation, hauling, overhead, fees and insurances, profit, and all other costs to cover the finished work called for regarding the specified section of Town as stated in the Contract Documents. No additional payment of any kind in the form of a surcharge will be made for work accomplished under the lump sum prices, as bid.

2. No representation of warranty has been made by the OWNER that the estimated quantities used for comparison of BIDS will even approximate the actual quantities required to satisfactorily complete the WORK required under this CONTRACT.

3. Upon receipt of written notice of acceptance of this BID by the OWNER, the BIDDER shall execute the CONTRACT attached to these documents within ten (10) calendar days and other documents as required in these documents.

4. In regard to all conditions affecting the WORK to be done and the labor and materials to be furnished, this BID is based solely on the BIDDER’S investigations and findings and neither the OWNER nor its officers, employees or agents shall be held responsible for the accuracy of, or be bound by any information contained in these Contract Documents.

Submitted By: ____________________________________________

Company                        Phone

                                ____________________________
Street                        City                        Zip

Authorized Signature: ____________________________

Signature                        Printed Name

Bid Form
BID FORM
ENO MEMORIAL HALL MASONRY REPOINTING

Repoint and refurbish brick masonry on four chimneys, including all labor and materials, associated scaffolding and prep work as specified in this Invitation to Bid: ____________________________ Lump Sum

ANTICIPATED COMPLETION DATE: ____________________________
Assuming 11/5/2015 Notice to Proceed

Submitted By: ____________________________________________
Company

Authorized Signature: ____________________________________
Signature
IF A SOLELY OWNED COMPANY:

Company Name _________________________________________
Address _________________________________________
Town _________________________________________
By _________________________________________

(Authorized Signature)
Title _______________________ Date______________

IF A CORPORATION OR LIMITED LIABILITY COMPANY:

A corporation or limited liability company organized under the laws of
_____________________, composed of officers as follows:

____________________________   ____________________________
President              Secretary

____________________________   ____________________________
Vice President            Treasurer

IF A PARTNERSHIP:

A partnership doing business under the firm name and style of
_____________________________, composed of partners as follows:

____________________________   ____________________________
Name & Title (if any)     Name & Title (if any)

____________________________   ____________________________
Name & Title (if any)     Name & Title (if any)

This Bill must bear the written signature of the BIDDER. If the BIDDER is a partnership, the Bid must be signed by a partner. If the BIDDER is a corporation or limited liability company, the Bid must be signed by a duly authorized officer of such corporation or Limited Liability Company.
BIDDER'S QUALIFICATIONS STATEMENT

The BIDDER shall answer all of the following questions, as part of the Bid, so that the OWNER can judge the BIDDER's ability, experience and facilities for performing the proposed work.

1. Name of BIDDER: __________________________________________________________

2. Bidder's Tax Identification Number: ____________________________________________

3. What year was company organized/formed? ______________________________________

4. How many years has the BIDDER been engaged in business under the present firm or trade name? __________________________________________________________________

5. What is the general character or type of work you perform? __________________________
   __________________________________________________________________________

6. Has a claim ever been brought in court or to arbitration against the BIDDER for failure to complete any contracted work or default on a contract? _____________________________
   If yes, explain with whom and why: _____________________________________________
   __________________________________________________________________________
   __________________________________________________________________________

7. For other similar projects you have under contract at the present time: Attach list with description of work; the name of the client/owner with telephone number; and the approximate value of the work to be performed.

   NOTE: The BIDDER is required to have completed a minimum of five (5) similar projects as a demonstration of competency and experience for the project proposed herein. Such projects are to be listed below.

8. Attach a list of all projects that your present organization has completed within the past ten years or is presently working on, including name of project, owner and name and telephone number of the owner’s representative. Indicate here how many additional pages attached: ____pages.

9. Attach a list of the names, addresses and the background/experience of all principal or key members of the BIDDERS organization, including its officers:

   Indicate the number of pages attached: _______pages

   NOTE: If requested, the BIDDER agrees to furnish the OWNER with a detailed financial statement and other relevant information that may be required by the Town of Simsbury to properly evaluate the qualifications of the BIDDER.
PROPOSED SUBCONTRACTORS

BIDDER intends to utilize the following subcontractors on this project:

If none, write “None” here: _______________________

NAME AND ADDRESS
OF SUBCONTRACTOR ______________________

DESCRIPTION OF WORK:

1. ________________________________________________________________________

2. ________________________________________________________________________

3. ________________________________________________________________________

4. ________________________________________________________________________

5. ________________________________________________________________________

6. ________________________________________________________________________
NON-COLLUSION AFFIDAVIT OF BIDDER

State of ________________________________, County of _____________________, being first
duly sworn, disposes and says that:

1. He is the owner, officer, representative or agent of: _________________________________ the
   BIDDER that has submitted the attached BID;

2. The attached BID is genuine; it is not a collusive or sham BID.

3. He is fully informed respecting the preparation, and contents of, and knowledgeable of all
   pertinent circumstances respecting the attached BID.

4. Neither BIDDER nor any of its officers, partners, owners, agents, representatives, employees, or
   parties in interest, including this affiant, has in any way colluded, conspired, connived, or agreed,
   directly or indirectly, with any other bidder, firm or person to submit a collusive or sham BID in
   connection with the AGREEMENT for which the attached BID has been submitted or to refrain
   from bidding in connection with any contract, or has in any manner, directly or indirectly, sought
   by agreement, collusion, communication or conference with any other bidder, firm or person to
   fix the price or prices in the attached BID or of any other bidder, or to fix any overhead, profit or
   cost element of the BID prices or the bid price of any other bidder, or to secure through
   collusion, conspiracy, connivance or unlawful agreement any advantage against the Town of
   Simsbury or any other person interested in the proposed AGREEMENT.

5. The price(s) quoted in the attached BID are fair and proper and are not tainted by any collusion,
   conspiracy, connivance or unlawful agreement on the part of the BIDDER or any of its agents,
   representatives, owners, employees, or parties in interest, including this affiant; and

6. That no elected or appointed official or other officer or employee of the Town of Simsbury, who
   is directly or indirectly interested in this BID, or in the supplies, materials, equipment, work or
   labor to which it relates, or in any of the profits thereof.

   (Signed)_________________________
   (Name of Bidder)

   Subscribed and sworn to before me this
   _______ day of {} , 2015

   ____________________________________________
   Title
   My Commission expires ________, 20__
TOWN OF SIMSBURY

Acknowledgement Form
and
Charter Section 1103
Code of the Town of Simsbury

ACKNOWLEDGEMENT FORM

I have read Section 1103 of the Charter of the Town of Simsbury, the Code of Ethics Ordinance, and the Guidelines issued thereunder. I understand my responsibilities as a Contractor retained by the Town of Simsbury, and I am in compliance with the Charter and the Code of Ethics. I have indicated in the space below any areas of conflict should they arise in matters before our board, commission, agency or department, and I agree to report any future conflicts under the provisions of Section 1103 of the Charter.

Areas of Exception

CONFLICTS OF INTEREST
SECTION 1103

CONFLICTS OF INTEREST. It is hereby declared to be the policy of the Town that any elected or appointed officer, any member of any board or commission or any employee of the Town who has a financial interest, direct or indirect, in any contract, transaction or decision of any officer or agent of the Town or any board or commission, shall disclose that interest to the Board of Selectmen, which shall record such disclosure upon the official record of its meetings. Such disclosure of a financial interest, direct or indirect, in any contract, transaction or decision of any officer or agent of the town or of any board or commission shall disqualify such elected or appointed official or such member of a board of commission or such town employee from participation in the awarding, assignment or discussion of said contract, transaction or decision. Violation by any such official, board or commission member or employee of the provisions of this section shall be grounds for his/her removal.

__________________________
Signature

__________________________
Name (Please Print)

__________________________
Date

A copy of the Town Code is available from the Office of the Town Clerk or is available on line at http://www.simsbury-ct.gov/sites/simsburyct/files/file/file/towncode_1.pdf
STATEMENT OF BIDDERS COMPLIANCE WITH EQUAL EMPLOYMENT OPPORTUNITY LAW AND REGULATION INCLUDING EXECUTIVE ORDER NO. 3

This statement must be completed by the Bidder and shall accompany his bid for this project.

IT IS HEREBY CERTIFIED THAT:

NAME OF BIDDER:  _________________________________________________

BUSINESS ADDRESS: _________________________________________________

To the extent required by law, the Bidder has complied on past Contracts and will fully comply on this project with all applicable laws and regulation regarding equal employment opportunities for minorities and women, and;

Has _____ has not ______ previously performed work under the conditions of the Governor’s Executive Order No. 3 of the State of Connecticut, or any preceding similar Executive Order with regards to Non-Discrimination.

____________________
Signature

____________________
Title

Subscribed and sworn to before me this _______ day of __________, 2015

____________________
Title

My Commission expires ________, 20__

IMPORTANT: THIS STATEMENT MUST BE SUBMITTED WITH BID

END OF SECTION
CLAY MASONRY RESTORATION AND CLEANING

PART 1 - GENERAL

1.1 SUMMARY
A. Section includes maintenance of unit masonry consisting of brick masonry restoration and cleaning as follows:
   1. Unused anchor removal.
   2. Repairing unit masonry, including replacing units.
   3. Painting steel uncovered during the work.
   4. Repointing joints.
   5. Preliminary cleaning, including removing plant growth.
   6. Cleaning exposed unit masonry surfaces.

1.2 DEFINITIONS
A. Very Low-Pressure Spray: Under 100 psi.
B. Low-Pressure Spray: 100 to 400 psi; 4 to 6 gpm.
C. Medium-Pressure Spray: 400 to 800 psi; 4 to 6 gpm.
D. High-Pressure Spray: 800 to 1200 psi; 4 to 6 gpm.
E. Saturation Coefficient: Ratio of the weight of water absorbed during immersion in cold water to weight absorbed during immersion in boiling water; used as an indication of resistance of masonry units to freezing and thawing.

1.3 SUBMITTALS
A. Product Data: For each type of product indicated. Include recommendations for application and use. Include test data substantiating that products comply with requirements.
B. Shop Drawings: For the following:
   1. Provisions for expansion joints or other sealant joints.
   2. Provisions for flashing, lighting fixtures, conduits, and weep holes as required.
   3. Replacement and repair anchors. Include details of anchors within individual masonry units, with locations of anchors and dimensions of holes and recesses in units required for anchors.
C. Samples for Initial Selection: For the following:
   1. Pointing Mortar: Submit sets of mortar for pointing in the form of sample mortar strips, 6 inches long by 1/4 inch wide, set in aluminum or plastic channels.
      a. Have each set contain a close color range of at least three Samples of different mixes of colored sands and cements that produce a mortar matching the cleaned masonry when cured and dry.
      b. Submit with precise measurements on ingredients, proportions, gradations, and sources of colored sands from which each Sample was made.
   2. Patching Compound: Submit sets of patching compound Samples in the form of plugs (patches in drilled holes) in sample units of masonry representative of the range of masonry colors on the building.
      a. Have each set contain a close color range of at least three Samples of different mixes of patching compound that matches the variations in existing masonry when cured and dry.
   3. Include similar Samples of accessories involving color selection.
D. Samples for Verification: For the following:
1. Each type of masonry unit to be used for replacing existing units. Include sets of Samples as necessary to show the full range of shape, color, and texture to be expected.
   a. For each brick type, provide straps or panels containing at least four bricks. Include multiple straps for brick with a wide range.
2. Each type of sand used for pointing mortar; minimum 1 lb. of each in plastic screw-top jars.
   a. For blended sands, provide Samples of each component and blend.
   b. Identify sources, both supplier and quarry, of each type of sand.
3. Each type, color, and texture of pointing mortar in the form of sample mortar strips, 6 inches long by 1/4 inch wide, set in aluminum or plastic channels.
   a. Include with each Sample a list of ingredients with proportions of each. Identify sources, both supplier and quarry, of each type of sand and brand names of cementitious materials and pigments if any.
4. Each type of masonry patching compound in the form of briquettes, at least 3 inches long by 1-1/2 inches wide. Document each Sample with manufacturer and stock number or other information necessary to order additional material.
5. Accessories: Each type of anchor, accessory, and miscellaneous support.

1.4 QUALITY ASSURANCE

A. Restoration Specialist Qualifications: Contractor shall be an experienced masonry restoration and cleaning firm to perform work of this Section. Firm shall have completed work similar in material, design, and extent to that indicated for this Project with a record of successful in-service performance. Experience installing standard unit masonry is not sufficient experience for masonry restoration work.
1. Field Supervision: Restoration specialist firms shall maintain experienced full-time supervisors on Project site during times that clay masonry restoration and cleaning work is in progress. Supervisors shall not be changed during Project except for causes beyond the control of contractor.
2. Restoration Worker Qualifications: Persons who are experienced in restoration work of types they will be performing. When masonry units are being patched, assign at least one worker among those performing patching work who is trained and certified by manufacturer of patching compound to apply its products.

B. Source Limitations: Obtain each type of material for masonry restoration (face brick, cement, sand, etc.) from one source with resources to provide materials of consistent quality in appearance and physical properties.

C. Cleaning and Repair Appearance Standard: Cleaned and repaired surfaces are to have a uniform appearance as viewed from 20 feet away by Architect. Perform additional paint and stain removal, general cleaning, and spot cleaning of small areas that are noticeably different, so that surface blends smoothly into surrounding areas.

D. Mockups: Prepare mockups of restoration and cleaning to demonstrate aesthetic effects and set quality standards for materials and execution and for fabrication and installation.
1. Masonry Repair: Prepare sample areas for each type of masonry material indicated to have repair work performed. If not otherwise indicated, size each mockup not smaller than 2 adjacent whole units or approximately 48 inches in least dimension. Erect sample areas in existing walls unless otherwise indicated, to demonstrate quality of materials, workmanship, and blending with existing work. Include the following as a minimum:
   a. Patching: Three small holes at least 1 inch in diameter for each type of masonry material indicated to be patched, so as to leave no evidence of repair.
2. Repointing: Rake out joints in 2 separate areas, each approximately 36 inches high by 48 inches wide for each type of repointing required and repoint one of the areas.

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.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Deliver masonry units to Project site strapped together in suitable packs or pallets or in heavy-duty cartons.

B. Deliver other materials to Project site in manufacturer's original and unopened containers, labeled with manufacturer's name and type of products.

C. Store cementitious materials on elevated platforms, under cover, and in a dry location. Do not use cementitious materials that have become damp.

D. Store hydrated lime in manufacturer's original and unopened containers. Discard lime if containers have been damaged or have been opened for more than two days.

E. Store lime putty covered with water in sealed containers.

F. Store sand where grading and other required characteristics can be maintained and contamination avoided.

1.6 PROJECT CONDITIONS

A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit masonry restoration and cleaning work to be performed according to manufacturers' written instructions and specified requirements.

B. Repair masonry units and repoint mortar joints only when air temperature is between 40 and 90 deg F and is predicted to remain so for at least 7 days after completion of the Work unless otherwise indicated.

C. Cold-Weather Requirements: Comply with the following procedures for masonry repair and mortar-joint pointing unless otherwise indicated:
   1. When air temperature is below 40 deg F, heat mortar ingredients, masonry repair materials, and existing masonry walls to produce temperatures between 40 and 120 deg F.
   2. When mean daily air temperature is below 40 deg F, provide enclosure and heat to maintain temperatures above 32 deg F within the enclosure for 7 days after repair and pointing.

D. Hot-Weather Requirements: Protect masonry repair and mortar-joint pointing when temperature and humidity conditions produce excessive evaporation of water from mortar and repair materials. Provide artificial shade and windbreaks and use cooled materials as required to minimize evaporation. Do not apply mortar to substrates with temperatures of 90 deg F and above unless otherwise indicated.

E. For manufactured repair materials, perform work within the environmental limits set by each manufacturer.

F. Clean masonry surfaces only when air temperature is 40 deg F and above and is predicted to remain so for at least 7 days after completion of cleaning.
1.7 COORDINATION
A. Coordinate masonry restoration and cleaning with public circulation patterns at Project site. Some work is near public circulation patterns. Public circulation patterns cannot be closed off entirely, and in places can be only temporarily redirected around small areas of work. Plan and execute the Work accordingly.

1.8 SEQUENCING AND SCHEDULING
A. Order sand and gray Portland cement for pointing mortar immediately after approval of mockups. Take delivery of and store at Project site a sufficient quantity to complete Project.
B. Perform masonry restoration work in the following sequence:
   1. Remove plant growth.
   2. Inspect for open mortar joints and repair before cleaning to prevent the intrusion of water and other cleaning materials into the wall.
   3. Remove paint.
   4. Clean 100% of masonry surfaces.
   5. Where water repellents, specified in Division 7, are to be used on or near masonry work, delay application of these chemicals until after pointing.
   6. Rake out mortar from joints surrounding masonry to be replaced and from joints adjacent to masonry repairs along joints.
   7. Repair masonry, including replacing existing masonry with new masonry materials.
   8. Rake out mortar from joints to be repointed.
   9. Point mortar and sealant joints.
   10. After repairs and repointing have been completed and cured, perform a final cleaning to remove residues from this work.
   11. Inspect for open mortar joints and repair before cleaning to prevent the intrusion of water and other cleaning materials into the wall.
   12. Remove paint.
   13. Clean masonry surfaces.
C. As scaffolding is removed, patch anchor holes used to attach scaffolding.

PART 2 - PRODUCTS
2.1 MASONRY MATERIALS
A. Face Brick: Provide face brick, including specially molded, ground, cut, or sawed shapes where required to complete masonry restoration work.
   1. Provide units with colors, color variation within units, surface texture, size, and shape to match existing brickwork and with physical properties within 10 percent of those determined from preconstruction testing of selected existing units.
      a. For existing brickwork that exhibits a range of colors or color variation within units, provide brick that proportionally matches that range and variation rather than brick that matches an individual color within that range.
   2. Tolerances as Fabricated: Comply with tolerance requirements in ASTM C 216, Type FBX.
3. Date Identification: Emboss in the clay body on an interior surface of each unit in easily read 1/2-inch-high characters, "MADE 2015." Manufacturer’s name may also be embossed.

2.2 MORTAR MATERIALS
A. Portland Cement: ASTM C 150, Type I or Type II, white or gray or both where required for color matching of exposed mortar.
   1. Provide cement containing not more than 0.60 percent total alkali when tested according to ASTM C 114.
B. Hydrated Lime: ASTM C 207, Type S.
D. Quicklime: ASTM C 5, pulverized lime.
E. Mortar Sand: ASTM C 144 unless otherwise indicated.
   1. Color: Provide natural sand of color necessary to produce required mortar color.
   2. For pointing mortar, provide sand with rounded edges.
   3. Match size, texture, and gradation of existing mortar sand as closely as possible. Blend several sands if necessary to achieve suitable match.
F. Mortar Pigments: Natural and synthetic iron oxides, compounded for mortar mixes. Use only pigments with a record of satisfactory performance in masonry mortars.
G. Water: Potable.

2.3 MANUFACTURED REPAIR MATERIALS
A. Masonry Patching Compound: Factory-mixed cementitious product that is custom manufactured for patching masonry.
   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. Cathedral Stone Products, Inc.; Jahn M100 Terra Cotta and Brick Repair Mortar.
      b. Conproco Corporation; Mimic.
      c. Edison Coatings, Inc.; Custom System 45.
   2. Use formulation that is vapor- and water permeable (equal to or more than the masonry unit), exhibits low shrinkage, has lower modulus of elasticity than the masonry units being repaired, and develops high bond strength to all types of masonry.
   3. Use formulation having working qualities and retardation control to permit forming and sculpturing where necessary.
   4. Formulate patching compound used for patching brick and terra cotta in colors and textures to match each masonry unit being patched. Provide not less than three colors to enable matching the color, texture, and variation of each unit.

2.4 PAINT REMOVERS
A. Alkaline Paste Paint Remover: Manufacturer's standard alkaline paste formulation for removing paint coatings from masonry.
   1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
      b. PROSOCO; Sure Klean Safety Peel 2.
B. Covered or Skin-Forming Alkaline Paint Remover: Manufacturer's standard covered or skin-forming alkaline formulation for removing paint coatings from masonry.
   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. ABR Products, Inc.; Grip 'N Strip 800 Fast Acting.
      c. Dumond Chemicals, Inc.; Peel Away 1 System.
      d. PROSOCO; Enviro Klean Safety Peel 1 with Enviro Klean Overcoat.

C. Solvent-Type Paint Remover: Manufacturer's standard water-rinse able, solvent-type gel formulation for removing paint coatings from masonry.
   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. ABR Products, Inc.; Super Bio Strip Gel.
      b. Diedrich Technologies Inc.; 505 Special Coatings Stripper.
      c. Dumond Chemicals, Inc.; Peel Away 2.
      e. Price Research, Ltd.; Price Strip-All.
      f. PROSOCO; Sure Klean Fast Acting Stripper.

D. Low-Odor, Solvent-Type Paint Remover: Manufacturer's standard low-odor, water-rinsable solvent-type gel formulation, containing no methanol or methylene chloride, for removing paint coatings from masonry.
   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. ABR Products, Inc.; Super Bio Strip Gel.
      b. Cathedral Stone Products, Inc.; S-301.
      c. Dumond Chemicals, Inc.; Peel Away 6.
      d. PROSOCO; Enviro Klean Safety Peel 1.

2.5 CLEANING MATERIALS

A. Water: Potable.

B. Hot Water: Water heated to a temperature of 140 to 160 deg F.

C. Job-Mixed Detergent Solution: Solution prepared by mixing 2 cups of tetrasodium polyphosphate, 1/2 cup of laundry detergent, and 20 quarts of hot water for every 5 gal. of solution required.

D. Nonacidic Gel Cleaner: Manufacturer's standard gel formulation, with pH between 6 and 9, that contains detergents with chelating agents and is specifically formulated for cleaning masonry surfaces.
   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. Price Research, Ltd.; Price Marble Cleaner-Gel.
      b. PROSOCO; Sure Klean 942 Limestone and Marble Cleaner.

2.6 ACCESSORY MATERIALS

A. Liquid Strippable Masking Agent: Manufacturer's standard liquid, film-forming, strippable masking material for protecting glass, metal, and polished stone surfaces from damaging effects of acidic and alkaline masonry cleaners.
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. ABR Products, Inc.; Rubber Mask.
   b. Price Research, Ltd.; Price Mask.
   c. PROSOCO; Sure Klean Strippable Masking.

B. Setting Buttons: Resilient plastic buttons, nonstaining to masonry, sized to suit joint thicknesses and bed depths of masonry units without intruding into required depths of pointing materials.

C. Masking Tape: Nonstaining, nonabsorbent material, compatible with pointing mortar, joint primers, sealants, and surfaces adjacent to joints; that will easily come off entirely, including adhesive.

D. Antirust Coating: Fast-curing, lead- and chromate-free, self-curing, universal modified-alkyd primer complying with SSPC-Paint 20 or SSPC-Paint 29 zinc-rich coating.
   1. Use coating requiring no better than SSPC-SP 3, "Power Tool Cleaning" surface preparation according to manufacturer's literature or certified statement.
   2. Use coating with a VOC content of 420 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

E. Products: Select materials and methods of use based on the following, subject to approval of a mockup:
   1. Previous effectiveness in performing the work involved.
   2. Little possibility of damaging exposed surfaces.
   3. Consistency of each application.
   4. Uniformity of the resulting overall appearance.
   5. Do not use products or tools that could do the following:
      a. Remove, alter, or in any way harm the present condition or future preservation of existing surfaces, including surrounding surfaces not in contract.
      b. Leave a residue on surfaces.

2.7 MORTAR MIXES

A. Preparing Lime Putty: Slake quicklime and prepare lime putty according to appendix to ASTM C 5 and manufacturer's written instructions.

B. Measurement and Mixing: Measure cementitious materials and sand in a dry condition by volume or equivalent weight. Do not measure by shovel; use known measure. Mix materials in a clean, mechanical batch mixer.
   1. Mixing Pointing Mortar: Thoroughly mix cementitious materials and sand together before adding any water. Then mix again adding only enough water to produce a damp, unworkable mix that will retain its form when pressed into a ball. Maintain mortar in this dampened condition for 15 to 30 minutes. Add remaining water in small portions until mortar reaches desired consistency. Use mortar within one hour of final mixing; do not retemper or use partially hardened material.

C. Colored Mortar: Produce mortar of color required by using specified ingredients. Do not alter specified proportions without Architect's approval.
   1. Mortar Pigments: Where mortar pigments are indicated, do not exceed a pigment-to-cement ratio of 1:10 by weight.

D. Do not use admixtures in mortar unless otherwise indicated.

E. Mortar Proportions: Mix mortar materials in the following proportions:
   1. Pointing Mortar for Brick: 1 part Portland cement, 2 parts lime, and 6 parts sand.
      a. Add mortar pigments to produce mortar colors required.
2. Pointing Mortar for Terra Cotta: 1 part white Portland cement, 1 part lime, and 6 parts sand.
a. Add mortar pigments to produce mortar colors required.
3. Rebuilding (Setting) Mortar: Same as pointing mortar.
4. Rebuilding (Setting) Mortar: 1 part Portland cement, 2 parts lime, and 6 parts sand.
5. Rebuilding (Setting) Mortar: Comply with ASTM C 270, Proportion Specification, Type N unless otherwise indicated; with cementitious material limited to Portland cement and lime.

PART 3 - EXECUTION

3.1 PROTECTION

A. Protect persons, motor vehicles, surrounding surfaces of building being restored, building site, plants, and surrounding buildings from harm resulting from masonry restoration work.
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 restoration and cleaning work.

B. Prevent mortar from staining face of surrounding masonry and other surfaces.
1. Cover sills, ledges, and projections to protect from mortar droppings.
2. Keep wall area wet below rebuilding and pointing work to discourage mortar from adhering.
3. Immediately remove mortar in contact with exposed masonry and other surfaces.
4. Clean mortar splatters from scaffolding at end of each day.

3.2 UNUSED ANCHOR REMOVAL

A. Remove masonry anchors, brackets, wood nailers, and other extraneous items no longer in use unless identified as historically significant or indicated to remain.
1. Remove items carefully to avoid spalling or cracking masonry.
2. Where directed, if an item cannot be removed without damaging surrounding masonry, do the following:
   a. Cut or grind off item approximately 3/4 inch beneath surface and core drill a recess of same depth in surrounding masonry as close around item as practical.
   b. Immediately paint exposed end of item with two coats of antirust coating, following coating manufacturer's written instructions and without exceeding manufacturer's recommended dry film thickness per coat. Keep paint off sides of recess.
3. Patch the hole where each item was removed unless directed to remove and replace the masonry unit.

3.3 MASONRY UNIT PATCHING

A. Repointing shall match the color, texture, joint width and joint profile of the existing historic masonry. Specifications and repointing samples shall be reviewed and approved by the Connecticut Commission on Culture & Tourism before proceeding with this work.

B. Patch the following masonry units unless another type of replacement or repair is indicated:
1. Units indicated to be patched.
2. Units with holes.
3. Units with chipped edges or corners.
4. Units with small areas of deep deterioration.

C. Remove and replace existing patches unless otherwise indicated or approved by Architect.

D. Patching Bricks:
   1. Remove loose material from masonry surface. Carefully remove additional material so patch will not have feathered edges but will have square or slightly undercut edges on area to be patched and will be at least 1/4 inch thick, but not less than recommended by patching compound manufacturer.
   2. Mask adjacent mortar joint or rake out for repointing if patch will extend to edge of masonry unit.
   3. Mix patching compound in individual batches to match each unit being patched. Combine one or more colors of patching compound, as needed, to produce exact match.
   4. Rinse surface to be patched and leave damp, but without standing water.
   5. Brush-coat surfaces with slurry coat of patching compound according to manufacturer’s written instructions.
   6. Place patching compound in layers as recommended by patching compound manufacturer, but not less than 1/4 inch or more than 2 inches thick. Roughen surface of each layer to provide a key for next layer.
   7. Trowel, scrape, or carve surface of patch to match texture and surrounding surface plane or contour of the masonry unit. Shape and finish surface before or after curing, as determined by testing, to best match existing masonry unit.
   8. Keep each layer damp for 72 hours or until patching compound has set.

3.4 WIDENING JOINTS

A. Do not widen a joint, except where indicated or approved by Architect.

B. Location Guideline: Where an existing masonry unit abuts another or the joint is less than 1/8 inch, widen the joint for length indicated and to depth required for repointing after obtaining Architect's approval.

C. Carefully perform widening by cutting, grinding, routing, or filing procedures demonstrated in an approved mockup.

D. Widen joint to width equal to or less than predominant width of other joints on building. Make sides of widened joint uniform and parallel. Ensure that edges of units along widened joint are in alignment with joint edges at unaltered joints.

3.5 CLEANING MASONRY, GENERAL

A. Cleaning of masonry shall be accomplished using the gentlest means possible without damaging the surface of the masonry. Specifications and test cleaning samples shall be reviewed and approved by the Connecticut Commission on Culture and Tourism before proceeding with this work.
B. Proceed with cleaning in an orderly manner; work from top to bottom of each scaffold width and from one end of each elevation to the other. Ensure that dirty residues and rinse water will not wash over cleaned, dry surfaces.

C. Use only those cleaning methods indicated for each masonry material and location.
1. Does not use wire brushes or brushes that are not resistant to chemical cleaner being used. Do not use plastic-bristle brushes if natural-fiber brushes will resist chemical cleaner being used.
2. Use spray equipment that provides controlled application at volume and pressure indicated, measured at spray tip. Adjust pressure and volume to ensure that cleaning methods do not damage masonry.
   a. Equip units with pressure gages.
3. For chemical-cleaner spray application, use low-pressure tank or chemical pump suitable for chemical cleaner indicated, equipped with cone-shaped spray tip.
4. For water-spray application, use fan-shaped spray tip that disperses water at an angle of 25 to 50 degrees.
5. For high-pressure water-spray application, use fan-shaped spray tip that disperses water at an angle of at least 40 degrees.
6. For heated water-spray application, use equipment capable of maintaining temperature between 140 and 160 deg F at flow rates indicated.

D. Perform each cleaning method indicated in a manner that results in uniform coverage of all surfaces, including corners, moldings, and interstices, and that produces an even effect without streaking or damaging masonry surfaces.

E. Water Application Methods:
1. Water-Spray Applications: Unless otherwise indicated, hold spray nozzle at least 6 inches from surface of masonry and apply water in horizontal back and forth sweeping motion, overlapping previous strokes to produce uniform coverage.

F. Rinse off chemical residue and soil by working upward from bottom to top of each treated area at each stage or scaffold setting. Periodically during each rinse, test pH of rinse water running off of cleaned area to determine that chemical cleaner is completely removed.
1. Apply neutralizing agent and repeat rinse if necessary to produce tested pH of between 6.7 and 7.5.

G. After cleaning is complete, remove protection no longer required. Remove tape and adhesive marks.

3.6 PRELIMINARY CLEANING
A. Removing Plant Growth: Completely remove visible plant, moss, and shrub growth from masonry surfaces. Carefully remove plants, creepers, and vegetation by cutting at roots and allowing to dry as long as possible before removal. Remove loose soil and debris from open masonry joints to whatever depth they occur.

B. Preliminary Cleaning: Before beginning general cleaning, remove extraneous substances that are resistant to cleaning methods being used. Extraneous substances include paint, calking, asphalt & tar.
1. Carefully remove heavy accumulations of material from surface of masonry with a sharp chisel. Do not scratch or chip masonry surface.
2. Remove paint and calking with alkaline paint remover.
   b. Repeat application up to two times if needed.

3. Remove asphalt and tar with solvent-type paint remover.
   b. Apply paint remover only to asphalt and tar by brush without prewetting.
   c. Allow paint remover to remain on surface for 10 to 30 minutes.
   d. Repeat application if needed.

3.7 PAINT REMOVAL

A. Paint Removal with Alkaline Paste Paint Remover:
   1. Remove loose and peeling paint using high-pressure spray, scrapers, stiff brushes, or a combination of these. Let surface dry thoroughly.
   2. Apply paint remover to dry, painted masonry with brushes.
   3. Allow paint remover to remain on surface for period recommended by manufacturer.
   4. Rinse with cold water applied by high-pressure spray to remove chemicals and paint residue.
   5. Repeat process if necessary to remove all paint.
   6. Apply acidic cleaner or manufacturer's recommended afterwash to masonry, while surface is still wet, using low-pressure spray equipment or soft-fiber brush. Let cleaner or afterwash remain on surface as a neutralizing agent for period recommended by chemical cleaner or afterwash manufacturer.
   7. Rinse with cold water applied by low-pressure spray to remove chemicals and soil.

B. Paint Removal with Covered or Skin-Forming Alkaline Paint Remover:
   1. Remove loose and peeling paint using high-pressure spray, scrapers, stiff brushes, or a combination of these. Let surface dry thoroughly.
   2. Apply paint remover to dry, painted masonry with trowel, spatula, or as recommended by manufacturer.
   3. Apply cover, if required by manufacturer, per manufacturer's written instructions.
   4. Allow paint remover to remain on surface for period recommended by manufacturer or as determined in test panels.
   5. Scrape off paint and remover and collect for disposal.
   6. Rinse with cold water applied by high-pressure spray to remove chemicals and paint residue.
   7. Use alkaline paste paint remover, according to "Paint Removal with Alkaline Paste Paint Remover" Paragraph, if necessary to remove remaining paint.
   8. Apply acidic cleaner or manufacturer's recommended afterwash to masonry, while surface is still wet, using low-pressure spray equipment or soft-fiber brush. Let cleaner or afterwash remain on surface as a neutralizing agent for period recommended by chemical-cleaner or afterwash manufacturer.
   9. Rinse with cold water applied by low-pressure spray to remove chemicals and soil.
C. Paint Removal with Solvent-Type Paint Remover:
   1. Remove loose and peeling paint using high-pressure spray, scrapers, stiff brushes, or a combination of these. Let surface dry thoroughly.
   2. Apply thick coating of paint remover to painted masonry with natural-fiber cleaning brush, deep-nap roller, or large paint brush.
   3. Allow paint remover to remain on surface for period recommended by manufacturer. Agitate periodically with stiff-fiber brush.
   4. Rinse with cold water applied by low-pressure spray to remove chemicals and paint residue.

3.8 CLEANING BRICKWORK

A. Detergent Cleaning:
   1. Wet masonry with cold water applied by low-pressure spray.
   2. Scrub masonry with detergent solution using medium-soft brushes until soil is thoroughly dislodged and can be removed by rinsing. Use small brushes to remove soil from mortar joints and crevices. Dip brush in solution often to ensure that adequate fresh detergent is used and that masonry surface remains wet.
   3. Rinse with cold water applied by low-pressure spray to remove detergent solution and soil.
   4. Repeat cleaning procedure above where required to produce cleaning effect established by mockup.

3.9 REPOINTING MASONRY

A. Repointing shall match the color, texture, joint width and joint profile of the existing historic masonry. Specifications and repointing samples shall be reviewed and approved by the Connecticut Commission on Culture & Tourism before proceeding with this work.

B. Rake out and repoint joints to the following extent:
   1. All joints in areas indicated.
   2. Joints where mortar is missing or where they contain holes.
   3. Cracked joints where cracks can be penetrated at least 1/4 inch by a knife blade 0.027 inch thick.
   4. Cracked joints where cracks are 1/8 inch or more in width and of any depth.
   5. Joints where they sound hollow when tapped by metal object.
   6. Joints where they are worn back 1/4 inch or more from surface.
   7. Joints where they are deteriorated to point that mortar can be easily removed by hand, without tools.
   8. Joints where they have been filled with substances other than mortar.
   9. Joints indicated as sealant-filled joints.

C. Do not rake out and repoint joints where not required.
D. Rake out joints as follows, according to procedures demonstrated in approved mockup:
   1. Remove mortar from joints to depth of joint width plus 1/8 inch, but not less than 1/2
      inch or not less than that required to expose sound, unweathered mortar.
   2. Remove mortar from masonry surfaces within raked-out joints to provide reveals with
      square backs and to expose masonry for contact with pointing mortar. Brush, vacuum, or
      flush joints to remove dirt and loose debris.
   3. Do not spall edges of masonry units or widen joints. Replace or patch damaged masonry
      units as directed by Architect.
      a. Cut out mortar by hand with chisel and resilient mallet. Do not use power-
         operated grinders without Architect's written approval based on approved quality-
         control program.
      b. Cut out center of mortar bed joints using angle grinders with diamond-impregnated
         metal blades. Remove remaining mortar by hand with chisel and resilient mallet.
         Strictly adhere to approved quality-control program.
   E. Notify Architect of unforeseen detrimental conditions including voids in mortar joints, cracks,
      loose masonry units, rotted wood, rusted metal, and other deteriorated items.
   F. Pointing with Mortar:
      1. Rinse joint surfaces with water to remove dust and mortar particles. Time rinsing
         application so, at time of pointing, joint surfaces are damp but free of standing water. If
         rinse water dries, dampen joint surfaces before pointing.
      2. Apply pointing mortar first to areas where existing mortar was removed to depths greater
         than surrounding areas. Apply in layers not greater than 3/8 inch until a uniform depth is
         formed. Fully compact each layer thoroughly and allow it to become thumbprint hard
         before applying next layer.
      3. After low areas have been filled to same depth as remaining joints, point all joints by
         placing mortar in layers not greater than 3/8 inch. Fully compact each layer and allow to
         become thumbprint hard before applying next layer. Where existing masonry units have
         worn or rounded edges, slightly recess finished mortar surface below face of masonry to
         avoid widened joint faces. Take care not to spread mortar beyond joint edges onto
         exposed masonry surfaces or to featheredge the mortar.
      4. When mortar is thumbprint hard, tool joints to match original appearance of joints as
         demonstrated in approved mockup. Remove excess mortar from edge of joint by
         brushing.
      5. Cure mortar by maintaining in thoroughly damp condition for at least 72 consecutive
         hours including weekends and holidays.
         a. Acceptable curing methods include covering with wet burlap and plastic sheeting,
            periodic hand misting, and periodic mist spraying using system of pipes, mist
            heads, and timers.
         b. Adjust curing methods to ensure that pointing mortar is damp throughout its depth
            without eroding surface mortar.
      6. Hairline cracking within the mortar or mortar separation at edge of a joint is
         unacceptable. Completely remove such mortar and repoint.
   G. Where repointing work precedes cleaning of existing masonry, allow mortar to harden at least
      30 days before beginning cleaning work.
3.10 FINAL CLEANING

A. Cleaning of exterior masonry shall be accomplished using the gentlest means possible without damaging the surface of the masonry. Specifications and test cleaning samples shall be reviewed and approved by the Connecticut Commission on Culture & Tourism before proceeding with this work.

B. After mortar has fully hardened, thoroughly clean exposed masonry surfaces of excess mortar and foreign matter; use wood scrapers, stiff-nylon or -fiber brushes, and clean water, spray applied at low pressure.
   1. Do not use metal scrapers or brushes.
   2. Do not use acidic or alkaline cleaners.

C. Wash adjacent woodwork and other non-masonry surfaces. Use detergent and soft brushes or cloths.

D. Clean mortar and debris from roof; remove debris from gutters and downspouts. Rinse off roof and flush gutters and downspouts.

E. Sweep and rake adjacent pavement and grounds to remove mortar and debris. Where necessary, pressure wash pavement surfaces to remove mortar, dust, dirt, and stains.

3.11 FIELD QUALITY CONTROL

A. Inspectors: Owner may engage qualified independent inspectors to perform inspections and prepare test reports. Allow inspectors use of lift devices and scaffolding, as needed, to perform inspections.

B. Notify owner in advance of times when lift devices and scaffolding will be relocated. Do not relocate lift devices and scaffolding until inspectors have had reasonable opportunity to make inspections of work areas at lift device or scaffold location.

END OF SECTION